



E-URAL

European Union and Russia link for S&T co-operation in the area of the Environment



CATALOGUE

OF

RUSSIAN PARTNER SEARCH PROFILES

FOR JOINT PARTICIPATION UNDER

THE SEVENTH FRAMEWORK PROGRAMME THEME

“ENVIRONMENT, INCLUDING CLIMATE CHANGE”

<http://www.e-ural.vsu.ru/en>



E-URAL “European Union and Russia link for S&T co-operation in the area of the Environment”

The E-URAL project ‘*European Union and Russia Link for S&T co-operation in the area of the environment*’ funded under the Seventh Framework Programme (FP7) by the European Commission is called upon to improve in quantity and quality the participation of Russian researchers and SMEs in the “Environment (including climate change)” theme of the FP7.

More information about the project can be found here <http://www.e-ural.vsu.ru/en/e-ural>.

We see a need for a system of specific supporting measures focused on enhancing and extending research cooperation between the EU and Russia in the field of environmental research. Moreover, there is a need for more practical and “project-generating” actions able of converting new cooperative opportunities into more successful stories.

In order to open up Russian research excellence in Environment field and make it more available for European stakeholders the E-URAL provides an insight into a range of Russian universities, research organisations and SMEs active in the field of Environmental research. Current information on contact persons, research expertise, project ideas, and publications will provide a clear outline of Russian research expertise and give an open access to finding and selecting appropriate partners in Russia for your potential FP7 joint research projects.

The scientists` profiles are also available in E-URAL database which is regularly updated and extended. The following link http://www.e-ural.vsu.ru/en/partner_search performs the whole range of options ensured by E-URAL partner search tool.

For further assistance and support in relation to search for Russian partners, please, contact:

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Call identifier: [FP7-ENV-2011](#)

Deadline: 16 November 2010 at 17:00 (Brussels local time)

Call identifier: [FP7-ENV-2011-ECO-INNOVATION](#)

Deadline: 16 November 2010 at 17:00 (Brussels local time)

Call identifier: [FP7-OCEAN-2011](#)

Deadline: 18 January 2011 at 17:00 (Brussels local time)

Call identifier: [FP7-ENV-NMP-2011](#)

Deadline: 16 November 2010 at 17:00 (Brussels local time)

Call identifier: [FP7-2011-NMP-ENV-ENERGY-ICT-EeB](#)

Deadline: 2 December 2010 at 17:00 (Brussels local time)

Call identifier: **FP7-ENV-2011**

Deadline : 16 November 2010 at 17:00 (Brussels local time)

Activity 6.1: Climate change, pollution and risks

Partner search profiles from:

- 1) [Institute of biology Komi Sci. Center Ural Div. Russian Academy of Science, North flora and vegetation \(Dr. Svetlana Degteva\)](#)
- 2) [Northern Research Institute of Forestry, Administration. Sector of Biodiversity \(Dr. Natalia Demidova\)](#)
- 3) [Federal Forest Agency Northern Research Institute of Forestry, Sector of forest protection \(Surina Elena\)](#)
- 4) [Federal Forest Agency Northern Research Institute of Forestry, forest regeneration sector \(Senkov Aleksandr\)](#)
- 5) [Arkhangelsk State Technical University, scientific-research department \(Gurjev Alexander Vladislavovich\)](#)
- 6) [Northern interregional territorial department of the Federal Service for Hydrometeorology and Environmental Monitoring, Centre for Monitoring of environmental pollution, Hydrometeorological Center \(Alvina P. Sobolevskaya\)](#)
- 7) [Sochi State University of Tourism and Recreation, rectorat, \(Nina Pestereva\)](#)
- 8) [Far Eastern National University, Institute of International Tourism and Hospitality \(Savinkina Larisa Aleksandrovna\)](#)
- 9) [Far Eastern National University, Institute of International Tourism and Hospitality \(Popova Nina\)](#)
- 10) [Saratov State University named after N.G. Chernyshevsky, Geography Department, Prof. Leonid Yurievich Kossovich](#)
- 11) [Caspian Regional Center “Environment and Law” Ltd. \(Alexander A. Aldabaev\)](#)
- 12) [Stavropol State Agrarian University, Ecology and Landscape Construction Department \(Dr. Nikolai I. Kornilov\)](#)
- 13) [Institute of Monitoring of Climatic and Ecological Systems SB RAS, Siberian Branch of RAS \(Loginov Sergey\)](#)
- 14) [Institute of Monitoring of Climatic and Ecological Systems SB RAS, Siberian Branch of RAS \(Ippolitov Ivan\)](#)

	<p>15) Institute of plant and animal ecology of the Ural Branch of the Russian Academy of Sciences (IPAE UB RAS) Ural State Forest Engineering University, Joint (IPAE UB RAS & Ural State Forest Engineering University) GIS-technology Research Laboratory for Forest Sciences and Ecology (Dr. Valery Fomin)</p> <p>16) Institute of Monitoring of Climatic and Ecological Systems (IMCES) SB RAS, Self-organization of geosystems (Dr Alexey V. Puchkin)</p> <p>17) St.Petersburg State University, Department of Climatology (Ivan Sudakov)</p> <p>18) Institute of Steppe Ural Branch of Russian Academy of Sciences (Mjachina Ksenya Viktorovna)</p> <p>19) Saint-Petersburg State University, Chair of Oceanography, Regional Oceanography Laboratory (Prof. Victor Foux)</p>
<p>6.1.1. Pressure on environment and climate</p>	<p>1) Voronezh State Technical University (VSTU), Department of Semiconductor Electronics and Nanoelectronics (Prof. Stanislav Rembeza)</p> <p>2) Institute of biology Komi Sci. Center Ural Div. Russian Academy of Science, North flora and vegetation (Dr. Svetlana Degteva)</p> <p>3) Northern Research Institute of Forestry, Administration, Sector of Biodiversity (Dr. Natalia Demidova)</p> <p>4) Federal Forest Agency Northern Research Institute of Forestry, Sector of forest protection (Surina Elena)</p> <p>5) Federal Forest Agency Northern Research Institute of Forestry, forest regeneration sector (Senkov Aleksandr)</p> <p>6) Northern State Medical University in Arkhangelsk, Chair of Therapeutic Dentistry (Prof. Dr. Tatiana Vilova)</p> <p>7) Sochi State University for Tourism and Recreation, City construction department (Konstantin N. Makarov)</p> <p>8) Northern interregional territorial department of the Federal Service for Hydrometeorology and Environmental Monitoring, Centre for Monitoring of environmental pollution, Hydrometeorological Center (Alvina P. Sobolevskaya)</p> <p>9) Sochi State University of Tourism and Recreation, rectorat, (Nina Pestereva)</p> <p>10) The Kuban state agrarian university, Scientific research institute of applied and experimental ecology (Prof. Leonid Yarmak)</p> <p>11) Saratov State University named after N.G. Chernyshevsky, Geography Department, Prof. Leonid Yurievich Kossovich</p> <p>12) Pacific Geographical Institute FEB RAS, Lab. for Land Hydrology and Climatology (Dr. Boris Gartsman)</p> <p>13) Institute of Monitoring of Climatic and Ecological Systems SB RAS, Siberian Branch of RAS (Loginov Sergey)</p> <p>14) Institute of Monitoring of Climatic and Ecological Systems SB RAS, Siberian Branch of RAS (Ippolitov Ivan)</p> <p>15) Institute of Monitoring of Climatic and Ecological Systems (IMCES) SB RAS, Self-organization of geosystems (Dr Alexey V. Puchkin)</p> <p>16) St.Petersburg State University, Department of Climatology (Ivan Sudakov)</p> <p>17) Institute of Steppe Ural Branch of Russian</p>



	<p>Academy of Sciences (Mjachina Ksenya Viktorovna) 18) Saint-Petersburg State University, Chair of Oceanography, Regional Oceanography Laboratory (Prof. Victor Foux)</p>
<p>Area 6.1.1.1 The Earth System and Climate: Functioning and abrupt changes</p>	<p>1) State Institution “Caspian Marine Scientific Research Center” (SI “KasPMNIZ”) (Dr. Olga Esina) 2) Institute of Biology Komi SC UB RAS, Soil Science Department (Dr. Alexander V. Pastukhov) 3) Northern Research Institute of Forestry, Administration, Sector of Biodiversity (Dr. Natalia Demidova) 4) Northern State Medical University in Arkhangelsk, Chair of Therapeutic Dentistry (Prof. Dr. Tatiana Vilova) 5) Northern interregional territorial department of the Federal Service for Hydrometeorology and Environmental Monitoring, Centre for Monitoring of environmental pollution, Hydrometeorological Center (Alvina P. Sobolevskaya) 6) Institute of Monitoring of Climatic and Ecological Systems SB RAS, Siberian Branch of RAS (Loginov Sergey) 7) Institute of Monitoring of Climatic and Ecological Systems SB RAS, Siberian Branch of RAS (Ippolitov Ivan) 8) Institute of Monitoring of Climatic and Ecological Systems (IMCES) SB RAS, Self-organization of geosystems (Dr Alexey V. Puchkin)</p>
<p>ENV.2011.1.1.1-1: Improvement of the representation of critical climate processes in climate and Earth system models</p>	<p>Collaborative Project (large scale integrating project)</p> <p>Saint-Petersburg State University, Chair of Oceanography, Regional Oceanography Laboratory (Prof. Victor Foux)</p>
<p>Area 6.1.1.2 Emissions and pressures: Natural and anthropogenic</p>	<p>1) Voronezh State Technical University (VSTU), Department of Semiconductor Electronics and Nanoelectronics (Prof. Stanislav Rembeza) 2) Belgorod State University, Botanical Garden (Valerie K. Tokhtar’) 3) Southern Federal University, Department of Ecology and Nature Management (Sergey Kolesnikov) 4) State Institution “Caspian Marine Scientific Research Center” (SI “KasPMNIZ”) (Dr. Olga Esina) 5) Voronezh State Technical University, Physics Department (Prof. Ekaterina Rembeza) 6) Ural Division of Russian Academy of Sciences (UD RAS), Institute of Plant and Animal Ecology Ural Division of Russian Academy Sciences (IPAE UD RAS) (Mrs/Dr. Elena Alexandrovna Kuzmina) 7) Institute of biology Komi Sci. Center Ural Div. Russian Academy of Science, North flora and vegetation (Dr. Svetlana Degteva) 8) Voronezh State Academy of Forestry and Technologies (VSAFT), Department of Forestry (Prof. Sergey Matveev) 9) Arkhangelsk State Technical University, Industrial power engineering (Lyubov Victor Konstantinivich) 10) Northern State Medical University in Arkhangelsk, Chair of Therapeutic Dentistry (Prof. Dr. Tatiana Vilova) 11) Institute of Ecological Problems of the North, Ural Branch of Russian Academy of Sciences, Laboratory of plant biopolymers’ chemistry (Dr. Nikolay Larionov) 12) Arkhangelsk State Technical University, department of biotechnology (Dr. Dmitry Germanovich Chukhchin)</p>

		<p>13) Arkhangelsk State Technical University, Department of theoretical and applied chemistry (Dr. Alexandra Sergeevna Pochtovalova)</p> <p>14) “Research Institute of the Caspian Sea problems” Ltd. (Dr. Stepan A. Zubanov)</p> <p>15) Northern interregional territorial department of the Federal Service for Hydrometeorology and Environmental Monitoring, Centre for Monitoring of environmental pollution, Hydrometeorological Center (Alvina P. Sobolevskaya)</p> <p>16) The Kuban state agrarian university, Scientific research institute of applied and experimental ecology (Prof. Leonid Yarmak)</p> <p>17) Saratov State University named after N.G. Chernyshevsky, Geography Department, Prof. Leonid Yurievich Kossovich</p> <p>18) Pacific Geographical Institute FEB RAS, Lab. for Land Hydrology and Climatology (Dr. Boris Gartsman)</p> <p>19) Institute of Monitoring of Climatic and Ecological Systems SB RAS, Siberian Branch of RAS (Loginov Sergey)</p> <p>20) Institute of Monitoring of Climatic and Ecological Systems SB RAS, Siberian Branch of RAS (Ippolitov Ivan)</p> <p>21) Institute of plant and animal ecology of the Ural Branch of the Russian Academy of Sciences (IPAE UB RAS) Ural State Forest Engineering University, Joint (IPAE UB RAS & Ural State Forest Engineering University) GIS-technology Research Laboratory for Forest Sciences and Ecology (Dr. Valery Fomin)</p> <p>22) Institute of Monitoring of Climatic and Ecological Systems (IMCES) SB RAS, Self-organization of geosystems (Dr Alexey V. Puchkin)</p> <p>23) St.Petersburg State University, Department of Climatology (Ivan Sudakov)</p> <p>24) Institute of Steppe Ural Branch of Russian Academy of Sciences (Mjachina Ksenya Viktorovna)</p> <p>25) Saint-Petersburg State University, Chair of Oceanography, Regional Oceanography Laboratory (Prof. Victor Foux)</p>
<p>ENV.2011.1.1.2-1: The impact of atmospheric pollution on European land ecosystems and soil in a changing climate</p>	<p>Collaborative Project (large scale integrating project)</p>	<p>1) Voronezh State University (VSU), Faculty of Biology and Soil Science (Dr. Vladislav N. Kalaev)</p> <p>2) Voronezh State University, Department of ecology and land resources (Prof. Tatiana A. Devyatova)</p> <p>3) Institute of plant and animal ecology of the Ural Branch of the Russian Academy of Sciences (IPAE UB RAS), Joint GIS-technology Research Laboratory for Forest Sciences and Ecology (Dr. Valery Fomin), Yekaterinburg:</p> <p>4) Voronezh State Academy of Forestry and Technologies (VSAFT), Department of Forestry (Prof. Sergey Matveev)</p> <p>5) Institute of plant and animal ecology of the Ural Branch of the Russian Academy of Sciences (IPAE UB RAS) Ural State Forest Engineering University, Joint (IPAE UB RAS & Ural State Forest Engineering University) GIS-technology Research Laboratory for Forest Sciences and Ecology (Dr. Valery Fomin)</p>
<p>ENV.2011.1.1.2-2: Climate forcing of non UNFCCC gases, aerosols and black carbon</p>	<p>Collaborative Project (small or medium-scale)</p>	<p>Voronezh State University, Department of Geo-ecology and Environmental Monitoring (Prof. Semion Kurolap)</p>



	focused research project)	
Area 6.1.1.3 The Global Carbon Cycle - greenhouse gas budgets		<ol style="list-style-type: none"> 1) Institute of Biology Komi SC UB RAS, Soil Science Department (Dr. Alexander V. Pastukhov) 2) Institute of North's ecology problems, Laboratory of fresh-water and sea ecosystems (Mrs Natalia Valerievna Shorina) 3) Institute of biology Komi Sci. Center Ural Div. Russian Academy of Science, North flora and vegetation (Dr. Svetlana Degteva) 4) Federal Forest Agency Northern Research Institute of Forestry, Sector of forest protection (Surina Elena) 5) Northern interregional territorial department of the Federal Service for Hydrometeorology and Environmental Monitoring, Centre for Monitoring of environmental pollution, Hydrometeorological Center (Alvina P. Sobolevskaya) 6) St. Petersburg State University, Department of Climatology (Ivan Sudakov)
ENV.2011.1.1.3-1: Vulnerability of Arctic permafrost to climate change and implications for global GHG emissions and future climate	Collaborative Project (large scale integrating project)	Voronezh State University, Department of Geo-ecology and Environmental Monitoring (Prof. Semion Kurolap)
Area 6.1.1.4 Future climate (Not open in 2011)		<ol style="list-style-type: none"> 1) Institute of Biology Komi SC UB RAS, Soil Science Department (Dr. Alexander V. Pastukhov) 2) Northern interregional territorial department of the Federal Service for Hydrometeorology and Environmental Monitoring, Centre for Monitoring of environmental pollution, Hydrometeorological Center (Alvina P. Sobolevskaya) 3) Sochi State University of Tourism and Recreation, rectorat, (Nina Pestereva) 4) Saratov State University named after N.G. Chernyshevsky, Geography Department, Prof. Leonid Yurievich Kossovich 5) St. Petersburg State University, Department of Climatology (Ivan Sudakov) 6) Saint-Petersburg State University, Chair of Oceanography, Regional Oceanography Laboratory (Prof. Victor Foux)
Area 6.1.1.5 Climate change natural and socio-economic impacts		<ol style="list-style-type: none"> 1) State Institution “Caspian Marine Scientific Research Center” (SI “Kaspmniz”) (Dr. Olga Esina) 2) Institute of Biology Komi SC UB RAS, Soil Science Department (Dr. Alexander V. Pastukhov) 3) Ural Division of Russian Academy of Sciences (UD RAS), Institute of Plant and Animal Ecology Ural Division of Russian Academy Sciences (IPAE UD RAS) (Mrs/Dr. Elena Alexandrovna Kuzmina) 4) Institute of biology Komi Sci. Center Ural Div. Russian Academy of Science, North flora and vegetation (Dr. Svetlana Degteva) 5) Center for sociological researches “MICAR”, Gykovskiy (Dr. Irina Krutiy) 6) Northern Research Institute of Forestry, Administration. Sector of Biodiversity (Dr. Natalia Demidova) 7) Federal Forest Agency Northern Research Institute of Forestry, Sector of forest protection (Surina Elena) 8) Federal Forest Agency Northern Research Institute of Forestry, forest regeneration sector (Senkov Aleksandr)

	<p>9) Northern interregional territorial department of the Federal Service for Hydrometeorology and Environmental Monitoring, Centre for Monitoring of environmental pollution, Hydrometeorological Center (Alvina P. Sobolevskaya)</p> <p>10) Sochi State University of Tourism and Recreation, rectorat, (Nina Pestereva)</p> <p>11) Far Eastern National University, Institute of International Tourism and Hospitality (Savinkina Larisa Aleksandrovna)</p> <p>12) Sochi State University for Tourism and Recreation, Management Department (Nataliya Matyushchenko)</p> <p>13) Saratov State University named after N.G. Chernyshevsky, Geography Department, Prof. Leonid Yurievich Kossovich</p> <p>14) Caspian Regional Center “Environment and Law” Ltd. (Alexander A. Aldabaev)</p> <p>15) Pacific Geographical Institute FEB RAS, Lab. for Land Hydrology and Climatology (Dr. Boris Gartsman)</p> <p>16) Institute of Monitoring of Climatic and Ecological Systems (IMCES) SB RAS, Self-organization of geosystems (Dr Alexey V. Puchkin)</p> <p>17) St.Petersburg State University, Department of Climatology (Ivan Sudakov)</p>	
<p>Area 6.1.1.6 Response strategies: adaptation, mitigation and policies</p>	<p>1) State Institution “Caspian Marine Scientific Research Center” (SI “KasPMNIZ”) (Dr. Olga Esina)</p> <p>2) Center for sociological researches “MICAR”, Gykovskiy (Dr. Irina Krutiy)</p> <p>3) Federal Forest Agency Northern Research Institute of Forestry, Sector of forest protection (Surina Elena)</p> <p>4) Federal Forest Agency Northern Research Institute of Forestry, forest regeneration sector (Senkov Aleksandr)</p> <p>5) Northern interregional territorial department of the Federal Service for Hydrometeorology and Environmental Monitoring, Centre for Monitoring of environmental pollution, Hydrometeorological Center (Alvina P. Sobolevskaya)</p> <p>6) Sochi State University of Tourism and Recreation, rectorat, (Nina Pestereva)</p> <p>7) Caspian Regional Center “Environment and Law” Ltd. (Alexander A. Aldabaev)</p> <p>8) Institute of Monitoring of Climatic and Ecological Systems (IMCES) SB RAS, Self-organization of geosystems (Dr Alexey V. Puchkin)</p>	
<p>ENV.2011.1.1.6-1: Impacts of a global temperature increase up to 2°C from pre-industrial level, in Europe and most vulnerable regions of the world</p>	<p>Collaborative Project (large scale integrating project)</p>	<p>Saint-Petersburg State University, Chair of Oceanography, Regional Oceanography Laboratory (Prof. Victor Foux)</p>
<p>ENV.2011.1.1.6-2: Mitigation policies and measures in the world's major economies compatible with the objective of limiting global surface temperature increase below 2eC.</p>	<p>Collaborative Project (small or medium-scale focused research project)</p>	<p>Center for sociological researches “MICAR”, Gykovskiy (Dr. Irina Krutiy)</p>
<p>6.1.2. Environment and Health</p>	<p>1) Northern State Medical University in Arkhangelsk, Chair of Therapeutic Dentistry (Prof. Dr. Tatiana Vilova)</p> <p>2) Northern State Medical University, Arkhangelsk International School of Public Health (ISPHA) (Dr. Yury Sumarokov)</p>	

		<p>3) Southern Federal University, Training Scientific Research Institute of Valeology (Dr. Vera Khrenkova)</p> <p>4) Northern interregional territorial department of the Federal Service for Hydrometeorology and Environmental Monitoring, Centre for Monitoring of environmental pollution, Hydrometeorological Center (Alvina P. Sobolevskaya)</p> <p>5) Saratov State University named after N.G. Chernyshevsky, Geography Department, Prof. Leonid Yurievich Kossovich</p> <p>6) Stavropol State Agrarian University, Ecology and Landscape Construction Department (Dr. Nikolai I. Kornilov)</p>
Area 6.1.2.1 Health impacts of climate change		<p>1) Orel State University, The Chair of Social Health (Olga Semernovna Saurina)</p> <p>2) Northern State Medical University, Arkhangelsk International School of Public Health (ISPHA) (Dr. Yury Sumarokov)</p> <p>3) Northern interregional territorial department of the Federal Service for Hydrometeorology and Environmental Monitoring, Centre for Monitoring of environmental pollution, Hydrometeorological Center (Alvina P. Sobolevskaya)</p> <p>4) Sochi State University of Tourism and Recreation, rectorat, (Nina Pestereva)</p>
ENV.2011.1.2.1-1 : Environmental change and its effects on atopic diseases (allergies, asthma, eczema) in Europe	Collaborative Project (small or medium-scale focused research project)	Voronezh State University , Department of Geo-ecology and Environmental Monitoring (Prof. Semion Kurolap)
Area 6.1.2.2 Health effects of environmental stressors other than climate change		<p>1) Belgorod State University, chair of anatomy and physiology of live organisms (Marina Zotovna Fedorova)</p> <p>2) Orel State University, The Chair of Social Health (Olga Semernovna Saurina)</p> <p>3) Voronezh State University (VSU), Faculty of Biology and Soil Science (Dr. Vladislav N. Kalaev)</p> <p>4) Northern State Medical University in Arkhangelsk, Chair of Therapeutic Dentistry (Prof. Dr. Tatiana Vilova)</p> <p>5) Northern State Medical University, Arkhangelsk International School of Public Health (ISPHA) (Dr. Yury Sumarokov)</p> <p>6) Southern Federal University, Training Scientific Research Institute of Valeology (Dr. Vera Khrenkova)</p> <p>7) Northern interregional territorial department of the Federal Service for Hydrometeorology and Environmental Monitoring, Centre for Monitoring of environmental pollution, Hydrometeorological Center (Alvina P. Sobolevskaya)</p> <p>8) Saratov State University named after N.G. Chernyshevsky, Geography Department, Prof. Leonid Yurievich Kossovich</p> <p>9) Stavropol State Agrarian University, Ecology and Landscape Construction Department (Dr. Nikolai I. Kornilov)</p>
ENV.2011.1.2.2-1 : Combined exposures to environmental agents: integrated approaches to evaluate environment-health relationships in children	Collaborative Project (large scale integrating project)	Voronezh State University , Department of Geo-ecology and Environmental Monitoring (Prof. Semion Kurolap)
ENV.2011.1.2.2-2 : Exposure to electro-magnetic fields (EMF):	Collaborative Project (small or	

<p>investigations of mechanisms to support risk assessment and reduce uncertainty</p>	<p>medium-scale focused research project)</p>	
<p>Area 6.1.2.3 Methods and decision support tools for environmental health risk analysis and policy development</p>		<p>1) Orel State University, The Chair of Social Health (Olga Semernovna Saurina) 2) Center for sociological researches “MICAR”, Gykovskiy (Dr. Irina Krutiy) 3) Northern State Medical University, Arkhangelsk International School of Public Health (ISPHA) (Dr. Yury Sumarokov) 4) Southern Federal University, Training Scientific Research Institute of Valeology (Dr. Vera Khrenkova) 5) Northern interregional territorial department of the Federal Service for Hydrometeorology and Environmental Monitoring, Centre for Monitoring of environmental pollution, Hydrometeorological Center (Alvina P. Sobolevskaya) 6) The Kuban state agrarian university, Scientific research institute of applied and experimental ecology (Prof. Leonid Yarmak) 7) Saratov State University named after N.G. Chernyshevsky, Geography Department, Prof. Leonid Yurievich Kossovich 8) Institute of Monitoring of Climatic and Ecological Systems (IMCES) SB RAS, Self-organization of geosystems (Dr Alexey V. Puchkin)</p>
<p>ENV.2011.1.2.3-1: Integrating ecological and human risk evaluations for better risk governance</p>	<p>Coordination and Support Action (coordinating action)</p>	<p>South West State University (SWSU), Chair of the Labour Safety and Environment (Dr. Vladislav Protasov)</p>
<p>ENV.2011.1.2.3-2: Positive effects of natural environment for human health and well-being</p>	<p>Collaborative Project (small or medium-scale focused research project)</p>	<p>South West State University (SWSU), Chair of the Labour Safety and Environment (Dr. Vladislav Protasov)</p>
<p>6.1.3. Natural hazards</p>		<p>1) Northern interregional territorial department of the Federal Service for Hydrometeorology and Environmental Monitoring, Centre for Monitoring of environmental pollution, Hydrometeorological Center (Alvina P. Sobolevskaya) 2) Russian State Hydrometeorological University, Department of Integrated Coastal Management (Dr. Nikolay Plink) 3) Saratov State University named after N.G. Chernyshevsky, Geography Department, Prof. Leonid Yurievich Kossovich 4) Caspian Regional Center “Environment and Law” Ltd. (Alexander A. Aldabaev) 5) Pacific Geographical Institute FEB RAS, Lab. for Land Hydrology and Climatology (Dr. Boris Gartsman) 6) Institute of Monitoring of Climatic and Ecological Systems (IMCES) SB RAS, Self-organization of geosystems (Dr Alexey V. Puchkin)</p>
<p>Area 6.1.3.1 Hazard assessment, triggering factors and forecasting</p>		<p>1) Southern branch of the P.P. Shirshov Institute of oceanology, Russian Academy of sciences, Coastal zone Department (Prof. Ruben Kosyan) 2) State Institution “Caspian Marine Scientific Research Center” (SI “Kaspmniz”) (Dr. Olga Esina) 3) Northern interregional territorial department of the Federal Service for Hydrometeorology and Environmental Monitoring, Centre for Monitoring of</p>

		<p>environmental pollution,Hydrometeorological Center (Alvina P. Sobolevskaya)</p> <p>4) Sochi State University of Tourism and Recreation, rectorat, (Nina Pestereva)</p> <p>5) Specialised research-and-production enterprise "Krasnodarbegozashchita", Research department (Dr. Svetlana Fedorova)</p> <p>6) The Kuban state agrarian university, Scientific research institute of applied and experimental ecology (Prof. Leonid Yarmak)</p> <p>7) Saratov State University named after N.G. Chernyshevsky, Geography Department, Prof. Leonid Yurievich Kossovich</p> <p>8) Pacific Geographical Institute FEB RAS, Lab. for Land Hydrology and Climatology (Dr. Boris Gartsman)</p> <p>9) Institute of Monitoring of Climatic and Ecological Systems (IMCES) SB RAS, Self-organization of geosystems (Dr Alexey V. Puchkin)</p> <p>10) Institute of Steppe Ural Branch of Russian Academy of Sciences (Mjachina Ksenya Viktorovna)</p> <p>11) Saint-Petersburg State University, Chair of Oceanography, Regional Oceanography Laboratory (Prof. Victor Foux)</p>
<p>ENV.2011.1.3.1-1: Towards real-time earthquake risk reduction</p>	<p>Collaborative Project (large scale integrating project)</p>	<p>Institute of Geophysics of the Ural Branch of the Russian Academy of Sciences, Nuclear geophysics laboratory (Sc.D. Vladimir Iv. Outkin)</p>
<p>Area 6.1.3.2 Vulnerability assessment and societal impacts</p>		<p>1) State Institution “Caspian Marine Scientific Research Center” (SI “Kaspmniz”) (Dr. Olga Esina)</p> <p>2) Center for sociological researches “MICAR”, Gykovskiy (Dr. Irina Krutiy)</p> <p>3) Northern interregional territorial department of the Federal Service for Hydrometeorology and Environmental Monitoring, Centre for Monitoring of environmental pollution,Hydrometeorological Center (Alvina P. Sobolevskaya)</p> <p>4) Russian State Hydrometeorological University, Department of Integrated Coastal Management (Dr. Nikolay Plink)</p> <p>5) Caspian Regional Center “Environment and Law” Ltd. (Alexander A. Aldabaev)</p> <p>6) Pacific Geographical Institute FEB RAS, Lab. for Land Hydrology and Climatology (Dr. Boris Gartsman)</p> <p>7) Institute of Monitoring of Climatic and Ecological Systems (IMCES) SB RAS, Self-organization of geosystems (Dr Alexey V. Puchkin)</p>
<p>ENV.2011.1.3.2-1: Building societal resilience to disasters in Europe</p>	<p>Collaborative Project (small or medium-scale focused research project)</p>	<p>Center for sociological researches “MICAR”, Gykovskiy (Dr. Irina Krutiy)</p>
<p>ENV.2011.1.3.2-2: Vulnerability and increased drought risk in Europe</p>	<p>Collaborative Project (small or medium-scale focused research project)</p>	<p>Institute of Steppe Ural Branch of Russian Academy of Sciences (Dr Ksenya Mjachina)</p>
<p>Area 6.1.3.3 Risk assessment and management</p>		<p>1) Center for sociological researches “MICAR”, Gykovskiy (Dr. Irina Krutiy)</p> <p>2) Northern interregional territorial department of the Federal Service for Hydrometeorology and Environmental Monitoring, Centre for Monitoring of</p>

	<p>environmental pollution,Hydrometeorological Center (Alvina P. Sobolevskaya)</p> <p>3) Specialised research-and-production enterprise "Krasnodarbegozashchita", Research department (Dr. Svetlana Fedorova)</p> <p>4) The Kuban state agrarian university, Scientific research institute of applied and experimental ecology (Prof. Leonid Yarmak)</p> <p>5) Russian State Hydrometeorological University, Department of Integrated Coastal Management (Dr. Nikolay Plink)</p> <p>6) Saratov State University named after N.G. Chernyshevsky, Geography Department, Prof. Leonid Yurievich Kossovich</p> <p>7) Pacific Geographical Institute FEB RAS, Lab. for Land Hydrology and Climatology (Dr. Boris Gartsman)</p> <p>8) Institute of Monitoring of Climatic and Ecological Systems (IMCES) SB RAS, Self-organization of geosystems (Dr Alexey V. Puchkin)</p> <p>9) Institute of Steppe Ural Branch of Russian Academy of Sciences (Mjachina Ksenya Viktorovna)</p>	
<p>Area 6.1.3.4 Multi-risk evaluation and mitigation strategies</p>	<p>1) Northern interregional territorial department of the Federal Service for Hydrometeorology and Environmental Monitoring, Centre for Monitoring of environmental pollution,Hydrometeorological Center (Alvina P. Sobolevskaya)</p> <p>2) Sochi State University of Tourism and Recreation, rectorat, (Nina Pestereva)</p> <p>3) Russian State Hydrometeorological University, Department of Integrated Coastal Management (Dr. Nikolay Plink)</p> <p>4) Saratov State University named after N.G. Chernyshevsky, Geography Department, Prof. Leonid Yurievich Kossovich</p> <p>5) Institute of Monitoring of Climatic and Ecological Systems (IMCES) SB RAS, Self-organization of geosystems (Dr Alexey V. Puchkin)</p> <p>6) Institute of Steppe Ural Branch of Russian Academy of Sciences (Mjachina Ksenya Viktorovna)</p>	
<p>ENV.2011.1.3.4-1: Capacity building in natural hazards risks reduction</p>	<p>Coordination and Support Action (coordinating action)</p>	<p>1) Center for sociological researches "MICAR", Gykovskiy (Dr. Irina Krutiy)</p> <p>2) Institute of Steppe Ural Branch of Russian Academy of Sciences (Dr Ksenya Mjachina)</p>
<p>Activity 6.2: SUSTAINABLE MANAGEMENT OF RESOURCES</p>	<p>1) Ural Division of Russian Academy of Sciences (UD RAS), Institute of Plant and Animal Ecology Ural Division of Russian Academy Sciences (IPAE UD RAS) (Mrs/Dr. Elena Alexandrovna Kuzmina)</p> <p>2) Tambov State University named after G.R. Derzhavin (TSU), Department of Biology (Dr. Georgiy Arcadyevich Lada)</p> <p>3) Northern Research Institute of Forestry, Laboratory of taiga forest and biodiversity/ forestry sector and forest science (Zaharov Andrey)</p> <p>4) Northern Research Institute of Forestry, Administration. Sector of Biodiversity (Dr. Natalia Demidova)</p> <p>5) Federal Forest Agency Northern Research Institute of Forestry, Sector of forest protection (Surina Elena)</p> <p>6) Federal Forest Agency Northern Research Institute of Forestry, forest regeneration sector (Senkov Aleksandr)</p>	

	<p>7) <u>Saratov State Agrarian University named after N.I.Vavilov</u>, The organization of the use of land (Land management) (Dr. Tatiana Nikolaevna Kovaleva)</p> <p>8) <u>Arkhangelsk State Technical University</u>, Department of theoretical and applied chemistry (Dr. Alexandra Sergeevna Pochtovalova)</p> <p>9) <u>Arkhangelsk State Technical University</u>, Department of theoretical and applied chemistry (Prof. Tatiana Eduardovna Srebets)</p> <p>10) <u>Specialised research-and-production enterprise "Krasnodarbegozashchita"</u>, Research department (Dr. Svetlana Fedorova)</p> <p>11) <u>The Kuban state agrarian university</u>, Scientific research institute of applied and experimental ecology (Prof. Leonid Yarmak)</p> <p>12) <u>Russian State Hydrometeorological University</u>, Department of Integrated Coastal Management (Dr. Nikolay Plink)</p> <p>13) <u>Caspian Regional Center "Environment and Law" Ltd.</u> (Alexander A. Aldabaev)</p> <p>14) <u>Institute of Monitoring of Climatic and Ecological Systems (IMCES) SB RAS</u>, Self-organization of geosystems (Dr Alexey V. Puchkin)</p> <p>15) <u>Institute of Steppe Ural Branch of Russian Academy of Sciences</u> (Mjachina Ksenya Viktorovna)</p>
<p>6.2.1. Conservation and sustainable management of natural and man-made resources and biodiversity</p>	<p>1) <u>Ural Division of Russian Academy of Sciences (UD RAS)</u>, Institute of Plant and Animal Ecology Ural Division of Russian Academy Sciences (IPAE UD RAS) (Mrs/Dr. Elena Alexandrovna Kuzmina)</p> <p>2) <u>Tambov State University named after G.R. Derzhavin (TSU)</u>, Department of Biology (Dr. Georgiy Arcadyevich Lada)</p> <p>3) <u>Northern Research Institute of Forestry</u>, Laboratory of taiga forest and biodiversity/ forestry sector and forest science (Zaharov Andrey)</p> <p>4) <u>Northern Research Institute of Forestry</u>, Administration. Sector of Biodiversity (Dr. Natalia Demidova)</p> <p>5) <u>Federal Forest Agency Northern Research Institute of Forestry</u>, forest regeneration sector (Senkov Aleksandr)</p> <p>6) <u>Saratov State Agrarian University named after N.I.Vavilov</u>, The organization of the use of land (Land management) (Dr. Tatiana Nikolaevna Kovaleva)</p> <p>7) <u>Arkhangelsk State Technical University</u>, Department of theoretical and applied chemistry (Prof. Tatiana Eduardovna Srebets)</p> <p>8) <u>"Research Institute of the Caspian Sea problems" Ltd.</u> (Dr. Stepan A. Zubanov)</p> <p>9) <u>Sochi State University for Tourism and Recreation</u>, City construction department (Konstantin N. Makarov)</p> <p>10) <u>Northern interregional territorial department of the Federal Service for Hydrometeorology and Environmental Monitoring</u>, Centre for Monitoring of environmental pollution, Hydrometeorological Center (Alvina P. Sobolevskaya)</p> <p>11) <u>Specialised research-and-production enterprise "Krasnodarbegozashchita"</u>, Research department (Dr. Svetlana Fedorova)</p> <p>12) <u>The Kuban state agrarian university</u>, Scientific research institute of applied and experimental ecology</p>

	<p>(Prof. Leonid Yarmak)</p> <p>13) Russian State Hydrometeorological University, Department of Integrated Coastal Management (Dr. Nikolay Plink)</p> <p>14) Saratov State University named after N.G. Chernyshevsky, Geography Department, Prof. Leonid Yurievich Kossovich</p> <p>15) Stavropol State Agrarian University, Ecology and Landscape Construction Department (Dr. Nikolai I. Kornilov)</p> <p>16) Pacific Geographical Institute FEB RAS, Lab. for Land Hydrology and Climatology (Dr. Boris Gartsman)</p> <p>17) St.Petersburg State University, Department of Geoecology (Dubrava Kirievskaya)</p> <p>18) Institute of Steppe Ural Branch of Russian Academy of Sciences (Mjachina Ksenya Viktorovna)</p>
<p>Area 6.2.1.1 Integrated resource management</p>	<p>1) Institute of Biology Komi SC UB RAS, Soil Science Department (Dr. Alexander V. Pastukhov)</p> <p>2) Federal Forest Agency Northern Research Institute of Forestry, Sector of forest protection (Surina Elena)</p> <p>3) Saratov State Agrarian University named after N.I.Vavilov, The organization of the use of land (Land management) (Dr. Tatiana Nikolaevna Kovaleva)</p> <p>4) Arkhangelsk State Technical University, Department of theoretical and applied chemistry (Prof. Tatiana Eduardovna Srebets)</p> <p>5) Sochi State University for Tourism and Recreation, City construction department (Konstantin N. Makarov)</p> <p>6) Sochi State University of Tourism and Recreation, rectorat, (Nina Pestereva)</p> <p>7) Scientific research institute of mountain forestry and forest ecology, Department of mountain forestry, forest restoration and forest ecology. (Nikolay Bityukov)</p> <p>8) Specialised research-and-production enterprise "Krasnodarbegozashchita", Research department (Dr. Svetlana Fedorova)</p> <p>9) The Kuban state agrarian university, Scientific research institute of applied and experimental ecology (Prof. Leonid Yarmak)</p> <p>10) Russian State Hydrometeorological University, Department of Integrated Coastal Management (Dr. Nikolay Plink)</p> <p>11) Institute of Monitoring of Climatic and Ecological Systems (IMCES) SB RAS, Self-organization of geosystems (Dr Alexey V. Puchkin)</p> <p>12) St.Petersburg State University, Department of Geoecology (Dubrava Kirievskaya)</p> <p>13) Institute of Steppe Ural Branch of Russian Academy of Sciences (Mjachina Ksenya Viktorovna)</p>
<p>ENV.2011.2.1.1-1 Lagoons in the context of climate change</p>	<p>Collaborative Project (small or medium-scale focused research project)</p>
<p>Area 6.2.1.2 Water resources</p>	<p>1) State Institution "Caspian Marine Scientific Research Center" (SI "KaspMNIZ") (Dr. Olga Esina)</p> <p>2) Institute of North's ecology problems, Laboratory of fresh-water and sea ecosystems (Mrs Natalia Valerievna Shorina)</p> <p>3) Institute of Ecological Problems in the North, Ural Division, Russian Academy of Sciences, Department of</p>

		<p>Earth Sciences (Malov Alexander Ivanovich)</p> <p>4) Federal Forest Agency Northern Research Institute of Forestry, Sector of forest protection (Surina Elena)</p> <p>5) Arkhangelsk State Technical University, department of biotechnology (Dr. Dmitry Germanovich Chukhchin)</p> <p>6) Arkhangelsk State Technical University, Department of theoretical and applied chemistry (Prof. Tatiana Eduardovna Srebets)</p> <p>7) Kuban State University, Novorossiysk educational and research marine biological center of the Kuban State University (Dr Lidiya Vasilevna Bolgova)</p> <p>8) Saratov State Agrarian University named after N.I.Vavilov, Faculty «Land improvement, reclamation and land protection» (Prof. Nina Anatolyevna Pronko)</p> <p>9) “Research Institute of the Caspian Sea problems” Ltd. (Dr. Stepan A. Zubanov)</p> <p>10) Northern interregional territorial department of the Federal Service for Hydrometeorology and Environmental Monitoring, Centre for Monitoring of environmental pollution, Hydrometeorological Center (Alvina P. Sobolevskaya)</p> <p>11) Scientific research institute of mountain forestry and forest ecology, Department of mountain forestry, forest restoration and forest ecology. (Nikolay Bityukov)</p> <p>12) Specialised research-and-production enterprise “Krasnodarbegozashchita”, Research department (Dr. Svetlana Fedorova)</p> <p>13) The Kuban state agrarian university, Scientific research institute of applied and experimental ecology (Prof. Leonid Yarmak)</p> <p>14) Russian State Hydrometeorological University, Department of Integrated Coastal Management (Dr. Nikolay Plink)</p> <p>15) Stavropol State Agrarian University, Ecology and Landscape Construction Department (Dr. Nikolai I. Kornilov)</p> <p>16) Pacific Geographical Institute FEB RAS, Lab. for Land Hydrology and Climatology (Dr. Boris Gartsman)</p> <p>17) Institute of Monitoring of Climatic and Ecological Systems (IMCES) SB RAS, Self-organization of geosystems (Dr Alexey V. Puchkin)</p> <p>18) Institute of Steppe Ural Branch of Russian Academy of Sciences (Mjachina Ksenya Viktorovna)</p>
<p>ENV.2011.2.1.2-1: Hydromorphology and ecological objectives of WFD</p>	<p>Collaborative Project (large scale integrating project)</p>	<p>Institute of Steppe Ural Branch of Russian Academy of Sciences (Dr Ksenya Mjachina)</p>
<p>Area 6.2.1.3 Soil research and desertification (Not open in 2011)</p>		<p>1) Southern Federal University, Department of Ecology and Nature Management (Sergey Kolesnikov)</p> <p>2) Institute of Biology Komi SC UB RAS, Soil Science Department (Dr. Alexander V. Pastukhov)</p> <p>3) Northern Research Institute of Forestry, Administration. Sector of Biodiversity (Dr. Natalia Demidova)</p> <p>4) Federal Forest Agency Northern Research Institute of Forestry, Sector of forest protection (Surina Elena)</p> <p>5) Federal Forest Agency Northern Research Institute of Forestry, forest regeneration sector (Senkov Aleksandr)</p> <p>6) Saratov State Agrarian University named after N.I.Vavilov, The organization of the use of land (Land</p>



	<p>management) (Dr. Tatiana Nikolaevna Kovaleva) 7) Saratov State Agrarian University named after N.I.Vavilov, Faculty «Land improvement, reclamation and land protection» (Prof. Nina Anatolyevna Pronko) 8) St.Petersburg State University, Department of Climatology (Ivan Sudakov) 9) Institute of Steppe Ural Branch of Russian Academy of Sciences (Mjachina Ksenya Viktorovna)</p>	
<p>Area 6.2.1.4 Biodiversity</p>	<p>1) Belgorod State University, Botanical Garden (Valerie K. Tokhtar’) 2) Research Institute of Forest Genetics and Breeding, Genetic laboratory (Dr. Olga Zemlianukhina) 3) Voronezh State Academy of Forestry and Technologies (VSAFT), Department of Forest Stands and Breeding (Dr. Igor Isakov) 4) Voronezh State University, Department of Genetics, Cytology and Bioengineering (Dr. Olga Mashkina) 5) Ural Division of Russian Academy of Sciences (UD RAS), Institute of Plant and Animal Ecology Ural Division of Russian Academy Sciences (IPAE UD RAS) (Mrs/Dr. Elena Alexandrovna Kuzmina) 6) Institute of biology Komi Sci. Center Ural Div. Russian Academy of Science, North flora and vegetation (Dr. Svetlana Degteva) 7) Voronezh State University (VSU), Faculty of Biology and Soil Science (Dr. Vladislav N. Kalaev) 8) Tambov State University named after G.R. Derzhavin (TSU), Department of Biology (Dr. Georgiy Arcadyevich Lada) 9) Northern Research Institute of Forestry, Administration. Sector of Biodiversity (Dr. Natalia Demidova) 10) Federal Forest Agency Northern Research Institute of Forestry, Sector of forest protection (Surina Elena) 11) Federal Forest Agency Northern Research Institute of Forestry, forest regeneration sector (Senkov Aleksandr) 12) Saratov State Agrarian University named after N.I.Vavilov, The organization of the use of land (Land management) (Dr. Tatiana Nikolaevna Kovaleva) 13) Arkhangelsk State Technical University, department of biotechnology (Dr. Dmitry Germanovich Chukhchin) 14) Kuban State University, Novorossiysk educational and research marine biological center of the Kuban State University (Dr Lidiya Vasilevna Bolgova) 15) “Research Institute of the Caspian Sea problems” Ltd. (Dr. Stepan A. Zubanov) 16) Scientific research institute of mountain forestry and forest ecology, Department of mountain forestry, forest restoration and forest ecology. (Nikolay Bityukov) 17) St.Petersburg State University, Department of Geoecology (Dubrava Kirievskaya) 18) Institute of Steppe Ural Branch of Russian Academy of Sciences (Mjachina Ksenya Viktorovna)</p>	
<p>ENV.2011.2.1.4-1 Potential of biodiversity and ecosystems for the mitigation of climate change (for specific cooperation actions (SICA) dedicated to international cooperation partner countries (focus on Latin America))</p>	<p>Collaborative Project (large scale integrating project)</p>	<p>1) Institute of plant and animal ecology of the Ural Branch of the Russian Academy of Sciences (IPAE UB RAS), Joint GIS-technology Research Laboratory for Forest Sciences and Ecology (Dr. Valery Fomin), Yekaterinburg 2) Institute of plant and animal ecology of the Ural Branch of the Russian Academy of</p>



		<p>Sciences (IPAE UB RAS) Ural State Forest Engineering University, Joint (IPAE UB RAS & Ural State Forest Engineering University) GIS-technology Research Laboratory for Forest Sciences and Ecology (Dr. Valery Fomin)</p>
<p>ENV.2011.2.1.4-2: Behaviour of ecosystems, thresholds and tipping points</p>	<p>Collaborative Project (large scale integrating project)</p>	<p>1) Voronezh State Academy of Forestry and Technologies (VSAFT), Department of Forest Stands and Breeding (Dr. Igor Isakov)</p> <p>2) Institute of plant and animal ecology of the Ural Branch of the Russian Academy of Sciences (IPAE UB RAS), Joint GIS-technology Research Laboratory for Forest Sciences and Ecology (Dr. Valery Fomin), Yekaterinburg;</p> <p>3) Institute of Steppe Ural Branch of Russian Academy of Sciences (Dr Ksenya Mjachina)</p> <p>4) Institute of plant and animal ecology of the Ural Branch of the Russian Academy of Sciences (IPAE UB RAS) Ural State Forest Engineering University, Joint (IPAE UB RAS & Ural State Forest Engineering University) GIS-technology Research Laboratory for Forest Sciences and Ecology (Dr. Valery Fomin)</p>
<p>ENV.2011.2.1.4-3: Improved comprehension of the utility of the concepts of value of biodiversity</p>	<p>Collaborative Project (small or medium-scale focused research project)</p>	<p>1) Voronezh State Academy of Forestry and Technologies (VSAFT), Department of Forest Stands and Breeding (Dr. Igor Isakov)</p> <p>2) Institute of Steppe Ural Branch of Russian Academy of Sciences (Dr Ksenya Mjachina)</p>
<p>Area 6.2.1.5 Urban development</p>		<ol style="list-style-type: none"> 1) Belgorod State University, Botanical Garden (Valerie K. Tokhtar') 2) Center for sociological researches “MICAR”, Gykovskiy (Dr. Irina Krutiy) 3) Saratov State Agrarian University named after N.I.Vavilov, The organization of the use of land (Land management) (Dr. Tatiana Nikolaevna Kovaleva) 4) Arkhangelsk State Technical University, Department of engineering geology and foundations (Prof. Alexander Leonidovich Nevzorov) 5) Sochi State University for Tourism and Recreation, City construction department (Konstantin N. Makarov) 6) Specialised research-and-production enterprise “Krasnodarbegozashchita”, Research department (Dr. Svetlana Fedorova) 7) The Kuban state agrarian university, Scientific research institute of applied and experimental ecology (Prof. Leonid Yarmak) 8) Sochi State University for Tourism and Recreation, Management Department (Nataliya Matyushchenko) 9) Saratov State University named after N.G. Chernyshevsky, Geography Department, Prof. Leonid Yurievich Kossovich
<p>ENV.2011.2.1.5-1: Sustainable and Resilient Green Cities</p>	<p>Collaborative Project (large scale integrating project)</p>	<p>1) Voronezh State University, Department of Geo-ecology and Environmental Monitoring (Prof. Semion Kurolap);</p> <p>2) Center for sociological researches “MICAR”, Gykovskiy (Dr. Irina Krutiy)</p>
<p>ENV.2011.2.1.5-2: Furthering Strategic Urban Research</p>	<p>Coordination and Support Action (coordinating</p>	<p>1) Voronezh State University, Department of Geo-ecology and Environmental Monitoring (Prof. Semion Kurolap)</p>



	action)	2) Institute of Plant and Animal Ecology of the Russian Academy of Sciences, Ural Division (Dr. Vladimir Vershinin)
Area 6.2.1.6 Integrated forest research		<p>1) Research Institute of Forest Genetics and Breeding, Genetic laboratory (Dr. Olga Zemlianukhina)</p> <p>2) Voronezh State Academy of Forestry and Technologies (VSAFT), Department of Forest Stands and Breeding (Dr. Igor Isakov)</p> <p>3) Voronezh State University, Department of Genetics, Cytology and Bioengineering (Dr. Olga Mashkina)</p> <p>4) Voronezh State Academy of Forestry and Technologies (VSAFT), Department of Forestry (Prof. Sergey Matveev)</p> <p>5) Voronezh State University (VSU), Faculty of Biology and Soil Science (Dr. Vladislav N. Kalaev)</p> <p>6) Northern Research Institute of Forestry, Laboratory of taiga forest and biodiversity/ forestry sector and forest science (Zaharov Andrey)</p> <p>7) Northern Research Institute of Forestry, Administration. Sector of Biodiversity (Dr. Natalia Demidova)</p> <p>8) Federal Forest Agency Northern Research Institute of Forestry, Sector of forest protection (Surina Elena)</p> <p>9) Federal Forest Agency Northern Research Institute of Forestry, forest regeneration sector (Senkov Aleksandr)</p> <p>10) Saratov State Agrarian University named after N.I.Vavilov, The organization of the use of land (Land management) (Dr. Tatiana Nikolaevna Kovaleva)</p> <p>11) Arkhangelsk State Technical University, Department of theoretical and applied chemistry (Prof. Tatiana Eduardovna Srebets)</p> <p>12) Scientific research institute of mountain forestry and forest ecology, Department of mountain forestry, forest restoration and forest ecology. (Nikolay Bityukov)</p> <p>13) Institute of plant and animal ecology of the Ural Branch of the Russian Academy of Sciences (IPAE UB RAS) Ural State Forest Engineering University, Joint (IPAE UB RAS & Ural State Forest Engineering University) GIS-technology Research Laboratory for Forest Sciences and Ecology (Dr. Valery Fomin)</p> <p>14) Institute of Monitoring of Climatic and Ecological Systems (IMCES) SB RAS, Self-organization of geosystems (Dr Alexey V. Puchkin)</p>
ENV.2011.2.1.6-1: Land-use and European forest ecosystems	Collaborative Project (large scale integrating project)	Voronezh State University, Department of ecology and land resources (Prof. Tatiana A. Devyatova)
Sub-Activity 6.2.2 Management of marine environments		<p>1) Northern Research Institute of Forestry, Administration. Sector of Biodiversity (Dr. Natalia Demidova)</p> <p>2) Federal Forest Agency Northern Research Institute of Forestry, forest regeneration sector (Senkov Aleksandr)</p> <p>3) Saratov State Agrarian University named after N.I.Vavilov, The organization of the use of land (Land management) (Dr. Tatiana Nikolaevna Kovaleva)</p> <p>4) Kuban State University, Novorossiysk educational and research marine biological center of the Kuban State University (Dr Lidiya Vasilevna Bolgova)</p> <p>5) “Research Institute of the Caspian Sea problems”</p>



	<p>Ltd. (Dr. Stepan A. Zubanov)</p> <p>6) Northern interregional territorial department of the Federal Service for Hydrometeorology and Environmental Monitoring, Centre for Monitoring of environmental pollution, Hydrometeorological Center (Alvina P. Sobolevskaya)</p> <p>7) Specialised research-and-production enterprise "Krasnodarbegozashchita", Research department (Dr. Svetlana Fedorova)</p> <p>8) The Kuban state agrarian university, Scientific research institute of applied and experimental ecology (Prof. Leonid Yarmak)</p> <p>9) Russian State Hydrometeorological University, Department of Integrated Coastal Management (Dr. Nikolay Plink)</p> <p>10) Caspian Regional Center “Environment and Law” Ltd. (Alexander A. Aldabaev)</p> <p>11) St.Petersburg State University, Department of Geoecology (Dubrava Kirievskaya)</p>
<p>Area 6.2.2.1 Marine resources (Not open in 2011)</p>	<p>1) Southern branch of the P.P.Shirshov Institute of oceanology, Russian Academy of sciences, Coastal zone Department (Prof. Ruben Kosyan)</p> <p>2) State Institution “Caspian Marine Scientific Research Center” (SI “KaspMNIZ”) (Dr. Olga Esina)</p> <p>3) Institute of North’s ecology problems, Laboratory of fresh-water and sea ecosystems (Mrs Natalia Valerievna Shorina)</p> <p>4) Kuban State University, Novorossiysk educational and research marine biological center of the Kuban State University (Dr Lidiya Vasilevna Bolgova)</p> <p>5) Sochi State University for Tourism and Recreation, City construction department (Konstantin N. Makarov)</p> <p>6) Northern interregional territorial department of the Federal Service for Hydrometeorology and Environmental Monitoring, Centre for Monitoring of environmental pollution, Hydrometeorological Center (Alvina P. Sobolevskaya)</p> <p>7) Specialised research-and-production enterprise "Krasnodarbegozashchita", Research department (Dr. Svetlana Fedorova)</p> <p>8) The Kuban state agrarian university, Scientific research institute of applied and experimental ecology (Prof. Leonid Yarmak)</p> <p>9) Russian State Hydrometeorological University, Department of Integrated Coastal Management (Dr. Nikolay Plink)</p> <p>10) Caspian Regional Center “Environment and Law” Ltd. (Alexander A. Aldabaev)</p> <p>11) St.Petersburg State University, Department of Geoecology (Dubrava Kirievskaya)</p> <p>12) Saint-Petersburg State University, Chair of Oceanography, Regional Oceanography Laboratory (Prof. Victor Foux)</p>
<p>Area 6.2.2.2 The Ocean of Tomorrow joint call (Not open in 2011)</p>	<p>1) St.Petersburg State University, Department of Geoecology (Dubrava Kirievskaya)</p> <p>2) Saint-Petersburg State University, Chair of Oceanography, Regional Oceanography Laboratory (Prof. Victor Foux)</p>
<p>Activity 6.3. Environmental technologies</p>	<p>1) Saratov State Agrarian University named after N.I.Vavilov, The organization of the use of land (Land management) (Dr. Tatiana Nikolaevna Kovaleva)</p>

- 2) [Arkhangelsk State Technical University](#), scientific-research department (Gurjev Alexander Vladislavovich)
- 3) [Arkhangelsk State Technical University](#), department of biotechnology (Evgeny Vsevolodovich Novozhilov)
- 4) [Arkhangelsk State Technical University](#), Department of theoretical and applied chemistry (Dr. Alexandra Sergeevna Pochtovalova)
- 5) [“Research Institute of the Caspian Sea problems” Ltd.](#) (Dr. Stepan A. Zubanov)
- 6) [Northern interregional territorial department of the Federal Service for Hydrometeorology and Environmental Monitoring](#), Centre for Monitoring of environmental pollution, Hydrometeorological Center (Alvina P. Sobolevskaya)
- 7) [Saratov State University named after N.G. Chernyshevsky](#), Geography Department, Prof. Leonid Yurievich Kossovich
- 8) [Caspian Regional Center “Environment and Law” Ltd.](#) (Alexander A. Aldabaev)
- 9) [Stavropol State Agrarian University](#), Ecology and Landscape Construction Department (Dr. Nikolai I. Kornilov)
- 10) [Voronezh State Academy of Forestry and Technologies](#), Chemistry dept. (Belchinskaya Larisa Ivanovna)

Sub-Activity 6.3.1 Environmental technologies for observation, simulation, prevention, mitigation, adaptation, remediation and restoration of the natural and man-made environment (See the Eco-innovation Call under Area 6.3.1.9 [FP7-ENV-2011-ECO-INNOVATION](#))

- 1) [Voronezh State Technical University \(VSTU\)](#), Department of Semiconductor Electronics and Nanoelectronics (Prof. Stanislav Rembeza)
- 2) [Saratov State Agrarian University named after N.I.Vavilov](#), The organization of the use of land (Land management) (Dr. Tatiana Nikolaevna Kovaleva)
- 3) [Arkhangelsk State Technical University](#), scientific-research department (Gurjev Alexander Vladislavovich)
- 4) [Arkhangelsk State Technical University](#), Department of theoretical and applied chemistry (Dr. Alexandra Sergeevna Pochtovalova)
- 5) [Arkhangelsk State Technical University](#), Department of theoretical and applied chemistry (Dr. Natalia Radijevna Popova)
- 6) [Arkhangelsk State Technical University](#), Department of theoretical and applied chemistry (Prof. Tatiana Eduardovna Srebets)
- 7) [“Research Institute of the Caspian Sea problems” Ltd.](#) (Dr. Stepan A. Zubanov)
- 8) [Northern interregional territorial department of the Federal Service for Hydrometeorology and Environmental Monitoring](#), Centre for Monitoring of environmental pollution, Hydrometeorological Center (Alvina P. Sobolevskaya)
- 9) [Specialised research-and-production enterprise “Krasnodarbegozashchita”](#), Research department (Dr. Svetlana Fedorova)
- 10) [The Kuban state agrarian university](#), Scientific research institute of applied and experimental ecology (Prof. Leonid Yarmak)
- 11) [Saratov State University named after N.G. Chernyshevsky](#), Geography Department, Prof. Leonid Yurievich Kossovich
- 12) [Stavropol State Agrarian University](#), Ecology and Landscape Construction Department (Dr. Nikolai I. Kornilov)



	<p>13) Pacific Geographical Institute FEB RAS, Lab. for Land Hydrology and Climatology (Dr. Boris Gartsman) 14) Institute of Monitoring of Climatic and Ecological Systems (IMCES) SB RAS, Self-organization of geosystems (Dr Alexey V. Puchkin)</p>
<p>Area 6.3.1.1 Water (See the Eco-innovation Call under Area 6.3.1.9 FP7-ENV-2011-ECO-INNOVATION)</p>	<p>1) State Institution “Caspian Marine Scientific Research Center” (SI “Kaspmniz”) (Dr. Olga Esina) 2) Institute of North’s ecology problems, Laboratory of fresh-water and sea ecosystems (Mrs Natalia Valerievna Shorina) 3) Voronezh State Technological Academy (VSTA), Department Ecology and Chemical Technology (Dr. Svetlana Zueva) 4) Institute of Ecological Problems in the North, Ural Division, Russian Academy of Sciences, Department of Earth Sciences (Malov Alexander Ivanovich) 5) Institute of Ecological Problems of the North, Ural Branch of Russian Academy of Sciences, Laboratory of plant biopolymers’ chemistry (Dr. Nikolay Larionov) 6) Arkhangelsk State Technical University, department of biotechnology (Dr. Dmitry Germanovich Chukhchin) 7) Arkhangelsk State Technical University, Department of theoretical and applied chemistry (Dr. Alexandra Sergeevna Pochtovalova) 8) Arkhangelsk State Technical University, Department of theoretical and applied chemistry (Dr. Natalia Radieva Popova) 9) Kuban State University, Novorossiysk educational and research marine biological center of the Kuban State University (Dr Lidiya Vasilevna Bolgova) 10) “Research Institute of the Caspian Sea problems” Ltd. (Dr. Stepan A. Zubanov) 11) Sochi State University for Tourism and Recreation, City construction department (Konstantin N. Makarov) 12) Northern interregional territorial department of the Federal Service for Hydrometeorology and Environmental Monitoring, Centre for Monitoring of environmental pollution, Hydrometeorological Center (Alvina P. Sobolevskaya) 13) Scientific research institute of mountain forestry and forest ecology, Department of mountain forestry, forest restoration and forest ecology. (Nikolay Bityukov) 14) The Kuban state agrarian university, Scientific research institute of applied and experimental ecology (Prof. Leonid Yarmak) 15) Far Eastern National University, Institute of International Tourism and Hospitality (Popova Nina) 16) Russian State Hydrometeorological University, Department of Integrated Coastal Management (Dr. Nikolay Plink) 17) Caspian Regional Center “Environment and Law” Ltd. (Alexander A. Aldabaev) 18) Stavropol State Agrarian University, Ecology and Landscape Construction Department (Dr. Nikolai I. Kornilov) 19) Voronezh State Academy of Forestry and Technologies, Chemistry dept. (Belchinskaya Larisa Ivanovna) 20) Pacific Geographical Institute FEB RAS, Lab. for Land Hydrology and Climatology (Dr. Boris Gartsman) 21) Institute of Monitoring of Climatic and Ecological</p>



<p>Area 6.3.1.2 Soil (See the Eco-innovation Call under Area 6.3.1.9 FP7-ENV-2011-ECO-INNOVATION)</p>	<p>Systems (IMCES) SB RAS, Self-organization of geosystems (Dr Alexey V. Puchkin)</p> <ol style="list-style-type: none">1) Southern Federal University, Department of Ecology and Nature Management (Sergey Kolesnikov)2) Institute of Biology Komi SC UB RAS, Soil Science Department (Dr. Alexander V. Pastukhov)3) Belgorod State University, Department of Geography and Geoecology (Prof. Yury Chendev)4) Saratov State Agrarian University named after N.I.Vavilov, The organization of the use of land (Land management) (Dr. Tatiana Nikolaevna Kovaleva)5) Institute of Ecological Problems of the North, Ural Branch of Russian Academy of Sciences, Laboratory of plant biopolymers' chemistry (Dr. Nikolay Larionov)6) Arkhangelsk State Technical University, Department of engineering geology and foundations (Prof. Alexander Leonidovich Nevzorov)7) Arkhangelsk State Technical University, department of biotechnology (Evgeny Vsevolodovich Novozhilov)8) Arkhangelsk State Technical University, Department of theoretical and applied chemistry (Dr. Natalia Radievna Popova)9) Saratov State Agrarian University named after N.I.Vavilov, Faculty «Land improvement, reclamation and land protection» (Prof. Nina Anatolyevna Pronko)10) “Research Institute of the Caspian Sea problems” Ltd. (Dr. Stepan A. Zubanov)11) Institute of Monitoring of Climatic and Ecological Systems (IMCES) SB RAS, Self-organization of geosystems (Dr Alexey V. Puchkin)12) St.Petersburg State University, Department of Climatology (Ivan Sudakov)
<p>Area 6.3.1.3 Waste (See the Eco-innovation Call under Area 6.3.1.9 FP7-ENV-2011-ECO-INNOVATION)</p>	<ol style="list-style-type: none">1) Voronezh State Technological Academy (VSTA), Department Ecology and Chemical Technology (Dr. Svetlana Zueva)2) Arkhangelsk State Technical University, Industrial power engineering (Lyubov Victor Konstantinivich)3) Institute of Ecological Problems of the North, Ural Branch of Russian Academy of Sciences, Laboratory of plant biopolymers' chemistry (Dr. Nikolay Larionov)4) Arkhangelsk State Technical University, department of biotechnology (Dr. Dmitry Germanovich Chukhchin)5) Arkhangelsk State Technical University, scientific-research department (Gurjev Alexander Vladislavovich)6) Arkhangelsk State Technical University, Department of engineering geology and foundations (Prof. Alexander Leonidovich Nevzorov)7) Arkhangelsk State Technical University, department of biotechnology (Evgeny Vsevolodovich Novozhilov)8) Arkhangelsk State Technical University, Department of theoretical and applied chemistry (Prof. Tatiana Eduardovna Srebets)9) “Research Institute of the Caspian Sea problems” Ltd. (Dr. Stepan A. Zubanov)10) Voronezh State Academy of Forestry and Technologies, Chemistry dept. (Belchinskaya Larisa Ivanovna)
<p>Area 6.3.1.4 Clean technologies (See the Eco-innovation Call under Area 6.3.1.9 FP7-ENV-2011-ECO-INNOVATION)</p>	<ol style="list-style-type: none">1) Institute of North's ecology problems, Laboratory of fresh-water and sea ecosystems (Mrs Natalia Valerievna Shorina)2) Arkhangelsk State Technical University, Industrial

	<p>power engineering (Lyubov Victor Konstantinivich)</p> <p>3) Saratov State Agrarian University named after N.I.Vavilov, The organization of the use of land (Land management) (Dr. Tatiana Nikolaevna Kovaleva)</p> <p>4) Arkhangelsk State Technical University, department of pulp and paper technology (Dr. Yakov Vladimirovich Kazakov)</p> <p>5) Arkhangelsk State Technical University, Department of theoretical and applied chemistry (Prof. Tatiana Eduardovna Srebets)</p>
<p>Area 6.3.1.5 Built environment (See the Eco-innovation Call under Area 6.3.1.9 FP7-ENV-2011-ECO-INNOVATION)</p>	<p>1) Belgorod State University, Botanical Garden (Valerie K. Tokhtar’)</p> <p>2) Ural Division of Russian Academy of Sciences (UD RAS), Institute of Plant and Animal Ecology Ural Division of Russian Academy Sciences (IPAE UD RAS) (Mrs/Dr. Elena Alexandrovna Kuzmina)</p> <p>3) Institute of biology Komi Sci. Center Ural Div. Russian Academy of Science, North flora and vegetation (Dr. Svetlana Degteva)</p> <p>4) Voronezh State University (VSU), Faculty of Biology and Soil Science (Dr. Vladislav N. Kalaev)</p> <p>5) Saratov State Agrarian University named after N.I.Vavilov, The organization of the use of land (Land management) (Dr. Tatiana Nikolaevna Kovaleva)</p> <p>6) “Research Institute of the Caspian Sea problems” Ltd. (Dr. Stepan A. Zubanov)</p> <p>7) Saratov State University named after N.G. Chernyshevsky, Geography Department, Prof. Leonid Yurievich Kossovich</p> <p>8) Institute of Monitoring of Climatic and Ecological Systems (IMCES) SB RAS, Self-organization of geosystems (Dr Alexey V. Puchkin)</p>
<p>Area 6.3.1.6 Marine environment (See the Eco-innovation Call under Area 6.3.1.9 FP7-ENV-2011-ECO-INNOVATION)</p>	<p>1) Southern branch of the P.P.Shirshov Institute of oceanology, Russian Academy of sciences, Coastal zone Department (Prof. Ruben Kosyan)</p> <p>2) State Institution “Caspian Marine Scientific Research Center” (SI “KaspMNIZ”) (Dr. Olga Esina)</p> <p>3) Institute of North’s ecology problems, Laboratory of fresh-water and sea ecosystems (Mrs Natalia Valerievna Shorina)</p> <p>4) Institute of Ecological Problems of the North, Ural Branch of Russian Academy of Sciences, Laboratory of plant biopolymers’ chemistry (Dr. Nikolay Larionov)</p> <p>5) Kuban State University, Novorossiysk educational and research marine biological center of the Kuban State University (Dr Lidiya Vasilevna Bolgova)</p> <p>6) “Research Institute of the Caspian Sea problems” Ltd. (Dr. Stepan A. Zubanov)</p> <p>7) Sochi State University for Tourism and Recreation, City construction department (Konstantin N. Makarov)</p> <p>8) Northern interregional territorial department of the Federal Service for Hydrometeorology and Environmental Monitoring, Centre for Monitoring of environmental pollution, Hydrometeorological Center (Alvina P. Sobolevskaya)</p> <p>9) Specialised research-and-production enterprise “Krasnodarbegozashchita”, Research department (Dr. Svetlana Fedorova)</p> <p>10) The Kuban state agrarian university, Scientific research institute of applied and experimental ecology (Prof. Leonid Yarmak)</p>

	<p>11) Russian State Hydrometeorological University, Department of Integrated Coastal Management (Dr. Nikolay Plink)</p> <p>12) Caspian Regional Center “Environment and Law” Ltd. (Alexander A. Aldabaev)</p> <p>13) Saint-Petersburg State University, Chair of Oceanography, Regional Oceanography Laboratory (Prof. Victor Foux)</p>
<p>Area 6.3.1.7 Air technologies (See the Eco-innovation Call under Area 6.3.1.9 FP7-ENV-2011-ECO-INNOVATION)</p>	<p>1) Voronezh State Technical University (VSTU), Department of Semiconductor Electronics and Nanoelectronics (Prof. Stanislav Rembeza)</p> <p>2) Arkhangelsk State Technical University, Department of theoretical and applied chemistry (Dr. Natalia Radieвна Popova)</p> <p>3) Arkhangelsk State Technical University, Department of theoretical and applied chemistry (Prof. Tatiana Eduardovna Srebets)</p> <p>4) “Research Institute of the Caspian Sea problems” Ltd. (Dr. Stepan A. Zubanov)</p> <p>5) Northern interregional territorial department of the Federal Service for Hydrometeorology and Environmental Monitoring, Centre for Monitoring of environmental pollution, Hydrometeorological Center (Alvina P. Sobolevskaya)</p> <p>6) Sochi State University of Tourism and Recreation, rectorat, (Nina Pestereva)</p> <p>7) Saratov State University named after N.G. Chernyshevsky, Geography Department, Prof. Leonid Yurievich Kossovich</p> <p>8) Voronezh State Academy of Forestry and Technologies, Chemistry dept. (Belchinskaya Larisa Ivanovna)</p>
<p>Area 6.3.1.8 Technologies for climate (See the Eco-innovation Call under Area 6.3.1.9 FP7-ENV-2011-ECO-INNOVATION)</p>	<p>1) State Institution “Caspian Marine Scientific Research Center” (SI “KaspMNIZ”) (Dr. Olga Esina)</p> <p>2) Northern interregional territorial department of the Federal Service for Hydrometeorology and Environmental Monitoring, Centre for Monitoring of environmental pollution, Hydrometeorological Center (Alvina P. Sobolevskaya)</p> <p>3) Sochi State University of Tourism and Recreation, rectorat, (Nina Pestereva)</p>
<p>Sub-activity 6.3.2. Protection, conservation and enhancement of cultural heritage, including human habitat</p>	<p>1) Saratov State Agrarian University named after N.I.Vavilov, The organization of the use of land (Land management) (Dr. Tatiana Nikolaevna Kovaleva)</p> <p>2) Far Eastern National University, Institute of International Tourism and Hospitality (Savinkina Larisa Aleksandrovna)</p> <p>3) Russian State Hydrometeorological University, Department of Integrated Coastal Management (Dr. Nikolay Plink)</p> <p>4) Institute of Monitoring of Climatic and Ecological Systems (IMCES) SB RAS, Self-organization of geosystems (Dr Alexey V. Puchkin)</p> <p>5) Institute of Steppe Ural Branch of Russian Academy of Sciences (Mjachina Ksenya Viktorovna)</p>
<p>Area 6.3.2.1 Assessment and conservation in cultural heritage</p>	<p>1) Saratov State Agrarian University named after N.I.Vavilov, The organization of the use of land (Land management) (Dr. Tatiana Nikolaevna Kovaleva)</p> <p>2) Far Eastern National University, Institute of International Tourism and Hospitality (Savinkina Larisa Aleksandrovna)</p>



		<p>3) Sochi State University for Tourism and Recreation, Management Department (Nataliya Matyushchenko)</p> <p>4) Russian State Hydrometeorological University, Department of Integrated Coastal Management (Dr. Nikolay Plink)</p> <p>5) Institute of Steppe Ural Branch of Russian Academy of Sciences (Mjachina Ksenya Viktorovna)</p>
<p>ENV-NMP.2011.3.2.1-1 Development of advanced compatible materials and techniques and their application for the protection, conservation and restoration of cultural heritage assets</p>	<p>SME targeted Collaborative Projects</p>	
<p>Area 6.3.2.2 Networking, knowledge transfer and optimisation of results in cultural heritage</p>		<p>1) Center for sociological researches “MICAR”, Gykovskiy (Dr. Irina Krutiy)</p> <p>2) Saratov State Agrarian University named after N.I.Vavilov, The organization of the use of land (Land management) (Dr. Tatiana Nikolaevna Kovaleva)</p> <p>3) Russian State Hydrometeorological University, Department of Integrated Coastal Management (Dr. Nikolay Plink)</p> <p>4) Institute of Steppe Ural Branch of Russian Academy of Sciences (Mjachina Ksenya Viktorovna)</p>
<p>ENV.2011.3.2.2-1 Coordination action in support of implementation by participating States of a Joint Programming Initiative (JPI) on "Cultural Heritage and Global Change27: a new challenge for Europe"</p>	<p>Coordination and Support Action (coordinating action)</p>	
<p>Area 6.3.2.3 Environment technologies for archaeology and landscapes (Not open in 2011)</p>		<p>1) Saratov State Agrarian University named after N.I.Vavilov, The organization of the use of land (Land management) (Dr. Tatiana Nikolaevna Kovaleva)</p> <p>2) Institute of Monitoring of Climatic and Ecological Systems (IMCES) SB RAS, Self-organization of geosystems (Dr Alexey V. Puchkin)</p> <p>3) Institute of Steppe Ural Branch of Russian Academy of Sciences (Mjachina Ksenya Viktorovna)</p>
<p>Area 6.3.2.4 Fostering the integration of cultural heritage in urban and rural Settings (Not open in 2011)</p>		<p>1) Saratov State Agrarian University named after N.I.Vavilov, The organization of the use of land (Land management) (Dr. Tatiana Nikolaevna Kovaleva)</p> <p>2) Sochi State University for Tourism and Recreation, Management Department (Nataliya Matyushchenko)</p> <p>3) Institute of Steppe Ural Branch of Russian Academy of Sciences (Mjachina Ksenya Viktorovna)</p>
<p>Sub-Activity 6.3.3 Technology assessment, verification and testing</p>		<p>1) Arkhangelsk State Technical University, scientific-research department (Gurjev Alexander Vladislavovich)</p> <p>2) Arkhangelsk State Technical University, Department of theoretical and applied chemistry (Prof. Tatiana Eduardovna Srebets)</p>
<p>Area 6.3.3.1 Risk assessment of chemicals and alternative strategies for testing (Not open in 2011)</p>		<p>1) Southern Federal University, Department of Ecology and Nature Management (Sergey Kolesnikov)</p> <p>2) Voronezh State University, Department of Genetics, Cytology and Bioengineering (Dr. Olga Mashkina)</p> <p>3) Arkhangelsk State Technical University, Department</p>



	<p>of theoretical and applied chemistry (Prof. Tatiana Eduardovna Srebets)</p>
<p>Area 6.3.3.2 Technology assessment (Not open in 2011)</p>	<p>1) Arkhangelsk State Technical University, Industrial power engineering (Lyubov Victor Konstantinovich) 2) Arkhangelsk State Technical University, scientific-research department (Gurjev Alexander Vladislavovich) 3) Arkhangelsk State Technical University, department of pulp and paper technology (Dr. Yakov Vladimirovich Kazakov) 4) Arkhangelsk State Technical University, Department of theoretical and applied chemistry (Prof. Tatiana Eduardovna Srebets)</p>
<p>Activity 6.4: EARTH OBSERVATION AND ASSESSMENT TOOLS FOR SUSTAINABLE DEVELOPMENT</p>	<p>1) Saratov State Agrarian University named after N.I.Vavilov, The organization of the use of land (Land management) (Dr. Tatiana Nikolaevna Kovaleva) 2) Saratov State University named after N.G. Chernyshevsky, Geography Department, Prof. Leonid Yurievich Kossovich 3) Caspian Regional Center “Environment and Law” Ltd. (Alexander A. Aldabaev) 4) Saint-Petersburg State University, Chair of Oceanography, Regional Oceanography Laboratory (Prof. Victor Foux)</p>
<p>Sub-Activity 6.4.1 Earth and ocean observation systems and monitoring methods for the environment and sustainable development</p>	<p>1) Saratov State Agrarian University named after N.I.Vavilov, The organization of the use of land (Land management) (Dr. Tatiana Nikolaevna Kovaleva) 2) Northern interregional territorial department of the Federal Service for Hydrometeorology and Environmental Monitoring, Centre for Monitoring of environmental pollution,Hydrometeorological Center (Alvina P. Sobolevskaya) 3) Sochi State University of Tourism and Recreation, rectorat, (Nina Pestereva) 4) Specialised research-and-production enterprise "Krasnodarbegozashchita", Research department (Dr. Svetlana Fedorova) 5) The Kuban state agrarian university, Scientific research institute of applied and experimental ecology (Prof. Leonid Yarmak) 6) Institute of plant and animal ecology of the Ural Branch of the Russian Academy of Sciences (IPAE UB RAS) Ural State Forest Engineering University, Joint (IPAE UB RAS & Ural State Forest Engineering University) GIS-technology Research Laboratory for Forest Sciences and Ecology (Dr. Valery Fomin) 7) Institute of Steppe Ural Branch of Russian Academy of Sciences (Mjachina Ksenya Viktorovna) 8) Saint-Petersburg State University, Chair of Oceanography, Regional Oceanography Laboratory (Prof. Victor Foux)</p>
<p>Area 6.4.1.1 Integration of European activities within GEO</p>	<p>1) Southern branch of the P.P.Shirshov Institute of oceanology, Russian Academy of sciences, Coastal zone Department (Prof. Ruben Kosyan) 2) Northern interregional territorial department of the Federal Service for Hydrometeorology and Environmental Monitoring, Centre for Monitoring of environmental pollution,Hydrometeorological Center (Alvina P. Sobolevskaya) 3) Sochi State University of Tourism and Recreation, rectorat, (Nina Pestereva)</p>



<p>ENV.2011.4.1.1-1 Integration and optimisation of information for building a Global Carbon Observing System</p>	<p>Collaborative Project (large scale integrating project) - for specific cooperation actions (SICA) dedicated to international cooperation partner countries</p>	<p>Southern branch of the P.P.Shirshov Institute of oceanology, Russian Academy of sciences, Coastal zone Department (Prof. Ruben Kosyan)</p>
<p>Area 6.4.1.2 Cross-cutting research activities relevant to GEO (Not open in 2011)</p>		<p>1) Institute of North's ecology problems, Laboratory of fresh-water and sea ecosystems (Mrs Natalia Valerievna Shorina) 2) Northern interregional territorial department of the Federal Service for Hydrometeorology and Environmental Monitoring, Centre for Monitoring of environmental pollution,Hydrometeorological Center (Alvina P. Sobolevskaya) 3) Sochi State University of Tourism and Recreation, rectorat, (Nina Pestereva)</p>
<p>Area 6.4.1.3 Earth Observation activities in emerging areas</p>		<p>1) Southern branch of the P.P.Shirshov Institute of oceanology, Russian Academy of sciences, Coastal zone Department (Prof. Ruben Kosyan) 2) Saratov State Agrarian University named after N.I.Vavilov, The organization of the use of land (Land management) (Dr. Tatiana Nikolaevna Kovaleva) 3) Northern interregional territorial department of the Federal Service for Hydrometeorology and Environmental Monitoring, Centre for Monitoring of environmental pollution,Hydrometeorological Center (Alvina P. Sobolevskaya)</p>
<p>ENV.2011.4.1.3-1 Inter-operable integration of shared Earth Observations in the Global Context</p>	<p>Collaborative Project (large scale integrating project)</p>	<p>Southern branch of the P.P.Shirshov Institute of oceanology, Russian Academy of sciences, Coastal zone Department (Prof. Ruben Kosyan)</p>
<p>Area 6.4.1.4 Developing capacity building activities in the domain of Earth Observation in the new EU countries and in the developing countries</p>		<p>1) Saratov State Agrarian University named after N.I.Vavilov, The organization of the use of land (Land management) (Dr. Tatiana Nikolaevna Kovaleva) 2) Northern interregional territorial department of the Federal Service for Hydrometeorology and Environmental Monitoring, Centre for Monitoring of environmental pollution,Hydrometeorological Center (Alvina P. Sobolevskaya) 3) Sochi State University of Tourism and Recreation, rectorat, (Nina Pestereva)</p>
<p>Sub-Activity 6.4.2. Forecasting methods and assessment tools for sustainable development taking into account different scales of observation</p>		<p>1) Saratov State Agrarian University named after N.I.Vavilov, The organization of the use of land (Land management) (Dr. Tatiana Nikolaevna Kovaleva) 2) Arkhangelsk State Technical University, Department of theoretical and applied chemistry (Prof. Tatiana Eduardovna Srebets) 3) Specialised research-and-production enterprise "Krasnodarbegozashchita", Research department (Dr. Svetlana Fedorova) 4) The Kuban state agrarian university, Scientific research institute of applied and experimental ecology (Prof. Leonid Yarmak) 5) Russian State Hydrometeorological University, Department of Integrated Coastal Management (Dr. Nikolay Plink)</p>



	<p>6) <u>Saratov State University named after N.G. Chernyshevsky</u>, Geography Department, Prof. Leonid Yurievich Kossovich</p> <p>7) <u>Caspian Regional Center “Environment and Law” Ltd.</u> (Alexander A. Aldabaev)</p> <p>8) <u>Institute of Steppe Ural Branch of Russian Academy of Sciences</u> (Mjachina Ksenya Viktorovna)</p> <p>9) <u>Saint-Petersburg State University</u>, Chair of Oceanography, Regional Oceanography Laboratory (Prof. Victor Foux)</p>
<p>Area 6.4.2.1 Tools for impact assessment</p>	<p>1) <u>Belgorod State University</u>, Botanical Garden (Valerie K. Tokhtar’)</p> <p>2) <u>Southern branch of the P.P.Shirshov Institute of oceanology, Russian Academy of sciences</u>, Coastal zone Department (Prof. Ruben Kosyan)</p> <p>3) <u>Southern Federal University</u>, Department of Ecology and Nature Management (Sergey Kolesnikov)</p> <p>4) <u>State Institution “Caspian Marine Scientific Research Center” (SI “Kaspmniz”)</u> (Dr. Olga Esina)</p> <p>5) <u>Voronezh State University</u>, Department of Genetics, Cytology and Bioengineering (Dr. Olga Mashkina)</p> <p>6) <u>Ural Division of Russian Academy of Sciences (UD RAS)</u>, Institute of Plant and Animal Ecology Ural Division of Russian Academy Sciences (IPAE UD RAS) (Mrs/Dr. Elena Alexandrovna Kuzmina)</p> <p>7) <u>Saratov State Agrarian University named after N.I.Vavilov</u>, The organization of the use of land (Land management) (Dr. Tatiana Nikolaevna Kovaleva)</p> <p>8) <u>Institute of Ecological Problems of the North, Ural Branch of Russian Academy of Sciences</u>, Laboratory of plant biopolymers’ chemistry (Dr. Nikolay Larionov)</p> <p>9) <u>Arkhangelsk State Technical University</u>, scientific-research department (Gurjev Alexander Vladislavovich)</p> <p>10) <u>Arkhangelsk State Technical University</u>, department of pulp and paper technology (Dr. Yakov Vladimirovich Kazakov)</p> <p>11) <u>Arkhangelsk State Technical University</u>, Department of theoretical and applied chemistry (Prof. Tatiana Eduardovna Srebets)</p> <p>12) <u>Sochi State University for Tourism and Recreation</u>, City construction department (Konstantin N. Makarov)</p> <p>13) <u>Sochi State University of Tourism and Recreation</u>, rectorat, (Nina Pestereva)</p> <p>14) <u>Russian State Hydrometeorological University</u>, Department of Integrated Coastal Management (Dr. Nikolay Plink)</p> <p>15) <u>Saratov State University named after N.G. Chernyshevsky</u>, Geography Department, Prof. Leonid Yurievich Kossovich</p> <p>16) <u>Institute of plant and animal ecology of the Ural Branch of the Russian Academy of Sciences (IPAE UB RAS) Ural State Forest Engineering University</u>, Joint (IPAE UB RAS & Ural State Forest Engineering University) GIS-technology Research Laboratory for Forest Sciences and Ecology (Dr. Valery Fomin)</p> <p>17) <u>Institute of Steppe Ural Branch of Russian Academy of Sciences</u> (Mjachina Ksenya Viktorovna)</p> <p>18) <u>Saint-Petersburg State University</u>, Chair of Oceanography, Regional Oceanography Laboratory (Prof. Victor Foux)</p>
<p>ENV.2011.4.2.1-1 Efficiency</p>	<p>Collaborative</p>



assessment of environmental policy tools related to sustainability	Project (small or medium-scale focused research project)	
Area 6.4.2.2 Sustainable development indicators		<ol style="list-style-type: none"> 1) Southern branch of the P.P.Shirshov Institute of oceanology, Russian Academy of sciences, Coastal zone Department (Prof. Ruben Kosyan) 2) Institute of Biology Komi SC UB RAS, Soil Science Department (Dr. Alexander V. Pastukhov) 3) Voronezh State Academy of Forestry and Technologies (VSAFT), Department of Forestry (Prof. Sergey Matveev) 4) Voronezh State University (VSU), Faculty of Biology and Soil Science (Dr. Vladislav N. Kalaev) 5) Saratov State Agrarian University named after N.I.Vavilov, The organization of the use of land (Land management) (Dr. Tatiana Nikolaevna Kovaleva) 6) Arkhangelsk State Technical University, Department of theoretical and applied chemistry (Prof. Tatiana Eduardovna Srebets) 7) Sochi State University of Tourism and Recreation, rectorat, (Nina Pestereva) 8) Specialised research-and-production enterprise "Krasnodarbegozashchita", Research department (Dr. Svetlana Fedorova) 9) The Kuban state agrarian university, Scientific research institute of applied and experimental ecology (Prof. Leonid Yarmak) 10) Russian State Hydrometeorological University, Department of Integrated Coastal Management (Dr. Nikolay Plink) 11) Saratov State University named after N.G. Chernyshevsky, Geography Department, Prof. Leonid Yurievich Kossovich 12) Institute of Steppe Ural Branch of Russian Academy of Sciences (Mjachina Ksenya Viktorovna) 13) Saint-Petersburg State University, Chair of Oceanography, Regional Oceanography Laboratory (Prof. Victor Foux)
ENV.2011.4.2.2-1 Knowledge brokerage activities for engaging in a "beyond GDP" society	Collaborative Project (small or medium-scale focused research project)	Southern branch of the P.P.Shirshov Institute of oceanology, Russian Academy of sciences, Coastal zone Department (Prof. Ruben Kosyan)
Area 6.4.2.3 Interplay between social, economic and ecological systems		<ol style="list-style-type: none"> 1) State Institution “Caspian Marine Scientific Research Center” (SI “Kaspmniz”) (Dr. Olga Esina) 2) Center for sociological researches “MICAR”, Gykovskiy (Dr. Irina Krutiy) 3) Federal Forest Agency Northern Research Institute of Forestry, Sector of forest protection (Surina Elena) 4) Saratov State Agrarian University named after N.I.Vavilov, The organization of the use of land (Land management) (Dr. Tatiana Nikolaevna Kovaleva) 5) Arkhangelsk State Technical University, Department of theoretical and applied chemistry (Prof. Tatiana Eduardovna Srebets) 6) Sochi State University of Tourism and Recreation, rectorat, (Nina Pestereva)



		<p>7) Specialised research-and-production enterprise "Krasnodarbegozhchita", Research department (Dr. Svetlana Fedorova)</p> <p>8) The Kuban state agrarian university, Scientific research institute of applied and experimental ecology (Prof. Leonid Yarmak)</p> <p>9) Sochi State University for Tourism and Recreation, Management Department (Nataliya Matyushchenko)</p> <p>10) Russian State Hydrometeorological University, Department of Integrated Coastal Management (Dr. Nikolay Plink)</p> <p>11) Saratov State University named after N.G. Chernyshevsky, Geography Department, Prof. Leonid Yurievich Kossovich</p> <p>12) Caspian Regional Center "Environment and Law" Ltd. (Alexander A. Aldabaev)</p> <p>13) Institute of Steppe Ural Branch of Russian Academy of Sciences (Mjachina Ksenya Viktorovna)</p>
ENV.2011.4.2.3-2: Sustainable Consumption and Production at the heart of green growth	Collaborative Project (small or medium-scale focused research project)	Institute of Steppe Ural Branch of Russian Academy of Sciences (Dr Ksenya Mjachina)

Call identifier: **FP7-ENV-2011-ECO-INNOVATION**

Deadline : **16 November 2010 at 17:00 (Brussels local time)**

		Partner search profiles from:
ENV.2011.3.1.9-1: Eco-innovation!	Collaborative Project	Institute of Steppe Ural Branch of Russian Academy of Sciences (Dr Ksenya Mjachina)
ENV.2011.3.1.9-2: Development of eco-efficiency meso-level indicators for technology assessment	Collaborative Project	
ENV.2011.3.1.9-3: Macro-level Indicators to monitor the environmental impact of innovation	Collaborative Project	
ENV.2011.3.1.9-4: Dynamic e-dissemination systems and platforms for enterprises including SMEs to exploit results for eco-innovation	Coordination and Support Action (Supporting Action)	

Call identifier: **FP7-OCEAN-2011**

Deadline : **18 January 2011 at 17:00 (Brussels local time)**

		Partner search profiles from:
OCEAN.2011-2: Marine microbial diversity – new insights into marine ecosystems functioning and its biotechnological potential	Collaborative Project (large scale integrating project)	Southern Federal University, Research Institute of Biology, Laboratory of industrial microorganisms
OCEAN.2011-3: Assessing and predicting the combined effects of natural and human-made pressures in the Mediterranean and the Black Sea in view of their better governance	Collaborative Project (large scale integrating project) for specific cooperation actions (SICA) dedicated to	Southern Federal University, Research Institute of Biology, Laboratory of industrial microorganisms



	international cooperation partner countries	
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Call identifier: **FP7-ENV-NMP-2011**

Deadline : **16 November 2010 at 17:00 (Brussels local time)**

Partner search profiles from:

6.3.2. Protection, conservation and enhancement of cultural heritage, including human habitat

ENV.NMP.2011.3.2.1-1

ENV.NMP.2011.2.2-5:

Development of advanced compatible materials and techniques and their application for the protection, conservation and restoration of cultural heritage assets

SME targeted collaborative projects

[Institute of Steppe Ural Branch of Russian Academy of Sciences \(Dr Ksenya Mjachina\)](#)

Call identifier: **FP7-2011-NMP-ENV-ENERGY-ICT-EeB**

Deadline : **2 December 2010 at 17:00 (Brussels local time)**

Partner search profiles from:

Environment (including Climate Change)

EeB.ENV.2011.3.1.5-1:

Technologies for ensuring, monitoring and/or controlling a high quality indoor environment particularly in relation to energy efficient buildings

Collaborative Projects (small or medium-scale focused research project)

[Voronezh State Technical University \(VSTU\), Department of Semiconductor Electronics and Nanoelectronics \(Prof. Stanislav Rembeza\)](#)



Organization Name*	Voronezh State University (VSU)		
Department/Unit*	Department of ecology and land resources		
Contact person (name, position in organization, title)*	Prof. Tatiana A. Devyatova, head of the department, professor, doctor of science in biology		
E-Mail*	elr@bio.vsu.ru , liliya-250477@yandex.ru , anton_belik@rambler.ru		
Phone*	+7-4732-208265		
Fax	+7-4732-208265		
Web-site	http://www.vsu.ru		
Organization Address*	Universitetskaya sq.,1, Voronezh, 394006, Russian Federation,		
Organisation type	<input checked="" type="checkbox"/> University <input checked="" type="checkbox"/> Research Centre	<input type="checkbox"/> SME <input type="checkbox"/> Large Company	<input type="checkbox"/> Consultancy <input type="checkbox"/> Public Administration

Is interested in a project that will be prepared and submitted under the following topic(s):

Call identifier*	FP7-ENV.2011
Topic number*	ENV.2011-1.1.2-1: The impact of atmospheric pollution on European land ecosystems and soil in a changing climate
Call Deadline*	16 November 2010 at 17:00 (Brussels local time)

Call identifier*	FP7-ENV.2011
Topic number*	ENV.2011-2.1.6-1: Land-use and European forest ecosystems
Call Deadline*	16 November 2010 at 17:00 (Brussels local time)

Role in the project*	<input type="checkbox"/> Coordinator <input checked="" type="checkbox"/> Partner		
Type of suggested activities*	<input checked="" type="checkbox"/> RTD <input type="checkbox"/> Demonstration	<input type="checkbox"/> Training	<input type="checkbox"/> Support
		<input type="checkbox"/> Coordination	<input type="checkbox"/> Management

Project proposal (for coordinators)/Expertise offered (for partners)* (max 500 words):
 Department of ecology and land resources carries out research of a theoretical and information basis of research of a condition of biosystems of Central region of the Russian Federation. The area of scientific interests includes following sections: biodiagnostics of soils on activity of enzymes, research of ecosystems by zoological methods, research of anthropogenous transformation of chemical, physical and chemical and biological properties of soils of the agricultural and urbanised territories, researches of issue of greenhouse gases by soils (N₂O, CO₂, CH₄). Objects of researches are components of ecosystems (soil, vegetation, mesofauna), especially protected natural territories, rural landscapes, bottom land and floodplain landscapes, the urbanised territories.

Short description of the organization* (max 12 lines):
 Voronezh State University (VSU) was founded in 1918 on the basis evacuated from Estonia, Russian University of Dorpat (founded in 1802). There are 23,000 students, 2500 people of teaching staff 460 full professors in the VSU. It is in the top 10 classical universities of Russia. The University comprises 18 faculties including biology and soil, chemical and geographical departments, which may potentially participate in joint projects. Experiments under natural conditions may be conducted on the basis of the Voronezh Biosphere Reserve, Biological Station and Botanical Garden, that belongs to the VSU.

- Publications on the topic (other references) (max 10):**
1. Devyatova TA Agrogenic dynamics of physical, chemical and agrochemical properties of the chernozems / Fertility. - № 1. - 2007. - P. 6-7.
 2. Devyatova T.A., Kramareva T.N. The biodiagnostics of soils. - Voronezh, Voronezh State University, 2008. – 140 p.
 3. Devyatova T.A. Biological activity of humus in the center of Russian Plain // Soil Science, № 4. 2006
 4. Devyatova T.A. Enzymatic activity of humus with long-term systematic application of fertilizers // Agrochemistry, № 1, 2006. P. 1-4.
 5. Yablonskikh L.A. Floodplain soils of the Oka-Don Plain and the change in agricultural use. Voronezh: Izd-vo Voronezh State University, 1993. P. 216.
 6. Yablonskikh L.A. Heavy metals and radionuclides in the hydromorphic soils of forest-steppe of the Russian plain and their distribution profile // Soil Science. 1999. № 4. P. 435-444.
 7. Devyatova T.A., Bozhko S.N. Application of GIS technology in land administration // Bulletin of Voronezh State University. 2010. № 1. P. 62 - 68.
 8. Merzlaya G.E., Devyatova T.A., Ponomareva E.V., Rumyantsev I.V. The effectiveness of long-term application of organic and mineral fertilizers / Fertility. 2010. № 4. P. 31-33/



9. Devyatova T.A., Avksent'ev A.S. The speed and intensity of nitrous oxide black soil common in various coenoses Vestnik Voronezh State University. 2010. № 2. (In press).
10. Alaeva L.A. Humus composition and sorption properties of soil humid forest landscape terraces typical steppe / Sorption and Chromatographic Processes. - Voronezh, 2005. - T. 3. - Vol. 1. - P. 10-22.



Organization Name*	Voronezh State University (VSU)		
Department/Unit*	Faculty of Biology and Soil Science		
Contact person (name, position in organization, title)*	Dr. Vladislav N. Kalaev, assistant professor of Department of Genetics, Cytology and Bioengineering, deputy director of B.M. Kozo-Polyanskiy Botanical Garden of Voronezh State University		
E-Mail*	Dr_Huixs@mail.ru		
Phone*	+7-910-3450072		
Fax	+7-4732-208755		
Web-site	www.botsadvsu.ru		
Organization Address*	Universitetskaya pl., 1, Voronezh, 394006, Russia		
Organisation type	<input checked="" type="checkbox"/> University <input checked="" type="checkbox"/> Research Centre	<input type="checkbox"/> SME <input type="checkbox"/> Large Company	<input type="checkbox"/> Consultancy <input type="checkbox"/> Public Administration
Competences in FP7 Theme “Environment (Including Climate Change)”	6.1.2.2 Health effects of environmental stressors other than climate change 6.2.1.4 Biodiversity 6.2.1.6 Integrated forest research 6.3 Environmental technologies 6.3.1.5 Built environment 6.4.2.2 Sustainable development indicators		

Is interested in a project that will be prepared and submitted under the following topic:

Call identifier*	FP7-ENV-2011
Topic number*	ENV.2011.1.1.2-1 The impact of atmospheric pollution on European land ecosystems and soil in a changing climate
Call Deadline*	

Role in the project*	<input type="checkbox"/> Coordinator <input checked="" type="checkbox"/> Partner		
Type of suggested activities*	<input checked="" type="checkbox"/> RTD <input type="checkbox"/> Demonstration	<input type="checkbox"/> Training <input type="checkbox"/> Coordination	<input type="checkbox"/> Support <input type="checkbox"/> Management

Project proposal (for coordinators)/Expertise offered (for partners)* (max 500 words):
 It is expected to perform the complex study of living organism reactions on cellular, sub-cellular and molecular level in conditions of atmospheric air pollution by exhaust-gases of the motor transport. The research of physical and chemical and functional characteristic of the model molecular systems will allow forming the holistic approach about molecular mechanism of the pollutant action of separate components of exhaust-gases (the oxides of the nitrogen and carbon) on haemoglobin of the man and other haem-containing proteins. It is planned to study cytogenetic parameters (mitotic and nucleolar activities, level and spectrum of pathological mitosis) of woody plants, growing along large highways. Cytogenetic parameters of woody plants will be used for estimation of genotoxicity of the environment for the people. The research of soil concentration of heavy metals will be conducted. It will be detected the changes of cytogenetic characteristics in some species of woody plants under the influence of soil contamination by heavy metals. The use of the mathematical models for forecasting of the changes of separate cytogenetic characteristics of the woody plants in conditions of anthropogenic pollution and specially designed software for the complex processing of the results of spectrophotometry and electrophoretic analyses will allow to raise the precision and velocity of information handling, and to standardize the analyses data. This will allow: 1) to reveal the leading mechanisms, being the basis of damaging actions of pollutants on bioobjects, and ways of adaptation of living organisms to anthropogenic pollution; 2) to match the observed reactions in different species to environmental pollution; 3) to develop the approaches to creation of the protective action of the people from toxic influence of component exhaust-gases of motor transport, 4) to make a recommendations for the selection of woody plants forms which will be the stable to the pollutants as well as technologies of the microclonal propagation of such plant forms.

Short description of the organization* (max 12 lines):
 According to different ratings, Voronezh State University is in the first twenty classic universities of Russia. The research group of the Faculty of Biology and Soil Science consists of highly skilled specialists in the field of genetics, cytogenetics, biotechnology, breeding in forest woody plants, biophysics, and ecology, including scientists with PhD and DSci degrees, young scientists, post-graduates. There are the own worked out methods of cytogenetic analysis of woody plants and mathematical models evaluating the influence of anthropogenic pollutants on the biological objects of different level of organization. The collective has published over 300 articles in the leading Russian and foreign journals, has received 4 patents and 4 inventor's certificates in the field of the environmental pollution assessment. The executers

took part in the fulfillment of federal and regional programs on themes same the announced both as executers and as supervisor of studies.

Keywords	✓ ecology	✓ biodiversity	✓ cytogenetics	✓ monitoring	✓ introduction
	✓ biotechnology	✓ woody plants	✓ environmental pollution	✓	✓

Publications on the topic (other references) (max 10):

1. Butorina A.K., Kalaev V.N. Analysis of Sensitivity of Different Criteria in Cytogenetic Monitoring // Russian Journal of Ecology. – 2000. – V. 31, № 3. – P. 186 – 189.
2. Butorina A.K., Kalaev V.N., Najdenova O.S., Myagkova O.E., Vostricova T.V., Mitroshina O., Dirdina O.V., Polyakova N.A. Relationship between cytogenetic anomalies in forest trees subjected to radioactive contamination and industrial pollution with inherent defects in human infants in Central Russia // Cytogenetic Studies of Forest Trees and Shrubs – Review, Present Status, and Outlook on the Future (special issue of the Forest Genetics). - Zvolen, 2000. P. 35 - 41.
3. Butorina A.K., Kalaev V.N., Mironov A.N., Smorodinova V. A., Mazurova I. E., Doroshev S. A., Sen'kevich E. V. Cytogenetic Variation in Populations of Scotch Pine // Russian Journal of Ecology. – 2001. - V. 32, №. 3. - P. 198–202.
4. Butorina A.K., Kalaev V.N., Karpova S.S. Cytogenetic damage of human somatic cells and weeping birch cells in Voronezh districts with different levels of anthropogenic pollution // Russian Journal of Ecology. – 2002. – V. 33, № 6. – P. 413 – 416.
5. Kalaev V.N., Karpova S.S. The influence of air pollution on cytogenetic characteristics of birch seed progeny // Forest Genetics. – 2003. - V.10, №1. – P. 11 – 18.
6. Karpova S.S., Kalaev V.N., Artyukhov V.G., Trofimova V.A., Ostashkova L.G., Savko A.D. The use of nucleolar morphological characteristics of birch seedlings for the assessment of environmental pollution // Biology Bulletin. – 2006. - V. 33, № 1. - P. 73–80.
7. Kalaev V.N., Butorina A.K. Cytogenetic effect of oak (*Quercus robur* L.) trees growing on sites contaminated by Chernobyl fallout // *Silvae Genetica*. – 2006. - V. 55, issue 3. – P. 93 – 101.
8. Artyukhov V.G., Kalaev V.N. Cytogenetic indices of English oak (*Quercus robur* L.) seminal progeny subject to radioactive radiation in the Chernobyl nuclear disaster and growing on territories with different levels of anthropogenic contamination // 20 Years after Chernobyl Accident: past, present and future: Editors E.B. Burlakova, V.I. Naidich. – New York: Nova Science Publishers, Inc., 2006. – P. 247 – 264.
9. Fedorova A.I., Kalaev V.N., Prosvirina Yu.G., Goryainova S.A. Mutagenic activity of heavy metals in soil wayside slopes // Eurasian Soil Science. – 2007. – V. 40, № 8. – P. 893 – 899.
10. The introduction of rare and endangered plants in Central Chernozem Region / L.M. Kartasheva, Z.P. Mukovnina, V.F. Shipilova, A.V. Komova, B.I. Kuznetsov, O.N. Safonov, E.A. Nikolaev; Botanical Garden of B.M. Kozo-Polyanskiy. - Voronezh State University. - Voronezh: Publishing center of Voronezh State University, 2010. – 212 pp.



Organization Name*	Voronezh State University
Department/Unit*	Faculty of Geography and Geo-ecology, Department of Geo-ecology and Environmental Monitoring
Principal researcher	Prof. Semion Kurolap Head of the Department of Geo-ecology and Environmental Monitoring Doctor of Science (Geography), Professor
Web-site	www.geogr.vsu.ru
Organization Address*	Universitetskaya pl., 1, Voronezh, 394006, Russia
Organisation type	<input checked="" type="checkbox"/> University <input type="checkbox"/> SME <input type="checkbox"/> Consultancy <input checked="" type="checkbox"/> Research Centre <input type="checkbox"/> Large Company <input type="checkbox"/> Public Administration
Contact person	Mrs Anna Kamynina, Leading specialist of Regional Information Centre for Scientific and Technological Cooperation with EU, Voronezh State University
E-Mail	kab@rciabc.vsu.ru
Phone/Fax	+7 (4732) 20-75-26

Is interested in a project that will be prepared and submitted under the following topic:

Call identifier*	FP7-ENV-2011
Topic number*	ENV.2011.1.1.2-2: Climate forcing of non UNFCCC gases, aerosols and black carbon ENV.2011.1.1.3-1: Vulnerability of Arctic permafrost to climate change and implications for global GHG emissions and future climate ENV.2011.1.2.1-1: Environmental change and its effects on atopic diseases (allergies, asthma, eczema) in Europe ENV.2011.1.2.2-1: Combined exposures to environmental agents: integrated approaches to evaluate environment-health relationships in children ENV.2011.2.1.5-1: Sustainable and Resilient Green Cities ENV.2011.2.1.5-2: Furthering Strategic Urban Research
Call Deadline*	16 November 2010 at 17:00 (Brussels local time)
Role in the project*	<input type="checkbox"/> Coordinator <input checked="" type="checkbox"/> Partner
Type of suggested activities*	<input checked="" type="checkbox"/> RTD <input type="checkbox"/> Training <input checked="" type="checkbox"/> Support <input checked="" type="checkbox"/> Demonstration <input type="checkbox"/> Coordination <input type="checkbox"/> Management

Expertise offered (for partners)* (max 500 words):

Quality of air, microclimate and health of the population of industrial megalopolises.

- ecological estimation of air pool quality of advanced industrial cities in Central Black Soil Region and European countries in conditions of "global warming";
- the analysis of potential of pollution in urban agglomeration;
- estimation of parameters of microclimate in industrial cities and formation of "islands of warmth"
- the analysis of meteo-pathic reactions and sickness rate of the population connected to the factors of a microclimate and pollution of air of megalopolises;
- revealing of zones of ecological risk for the population of industrial cities owing to air pollution;
- geo-information maintenance of monitoring of population health in industrial megalopolises

Problems to be solved:

- databank of parameters of air pool quality of advanced industrial cities in Central Black Soil Region and European countries;
- ecological diagnostics of microclimate in industrial cities;
- quantitative estimation of the contribution of the ecological - climatic factors in formation of public health of population in industrial megalopolises;
- electronic medicoecological map-making of zones of ecological risk caused by quality of air pool and a microclimate of cities (with application of GIS-technologies);

The project realization will allow to advance in study of microclimate formation processes of cities, maintenance of more perfect preventive measures of meteo-dependent conditions and population sickness rate caused by the factors of weather; reduction of adverse effect of polluted air influence on health of the city dwellers and maintenance of monitoring system of extreme ecological situations caused by climatic processes in territory of large industrial agglomerations.

Short description of the organization* (max 12 lines):

Voronezh State University has a well-established reputation for excellence in teaching and research and is consistently ranked amongst the top Russian Universities by both government and independent surveys.

- Voronezh State University's total undergraduate student population numbers over 22,000.
- Almost 1,000 students are engaged in postgraduate work.
- 1,300 academic staff are currently employed at the University. Of these 230 are professors, 750 senior lecturers and 300 lecturers.
- On the whole, the University employs 3,000 academic and non-academic staff.
- 118 departments and 5 major research units are grouped into 18 faculties.
- 250 degree courses are available to our students.
- The University occupies 9 buildings and 7 residence halls located mostly in city centre.
- 3,000,000 books, periodicals and other items are held in the University Library.

The University has Botanical Gardens and a unique Nature Reserve “Galichya Gora” open to staff and students’ research and study.

Keywords	✓ pollution of air	✓ microclimate of city	✓ meteoropathic reactions of the population	✓ ecological risk	✓ industrial megalopolis	✓ monitoring of health of the population
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Publications on the topic (other references) (max 10):

1. Kurolap S.A. Estimation of risk for health of the population at technogenic pollution of city / S.A.Kurolap, N.P. Mamchik, O.V.Klepikov. - Voronezh: VSU, 2006. - 220 p.
2. Kurolap S.A. Environment and health / S.A.Kurolap // Voronezh Earth:VSU, 2006. - P.369 - 406
3. Kurolap S.A. Obrashchaemost of children behind medical aid and separate factors of behind weather: a wind and its characteristics / S.A. Kurolap, V.M. Scherbak, S.V. ShCherbakova, etc. // the First help in conditions of a city versatile hospital. - Voronezh, 2007. - P.73-77.
4. Ecologo-hygienic bases of monitoring and protection of city / environment of N.P. Mamchik, S.A. Kurolap, O.V. Klepikov, etc. - Voronezh:VSU, 2002. – 320p.
5. Kurolap S.A. Medical geography: modern aspects / S.A.Kurolap // Soros Educational Journal. - 2000. - T6. (№6.) - P. 52-58.



Organization Name*	Voronezh State University		
Department/Unit*	Department of Genetics, Cytology and Bioengineering		
Head of Department / Unit (Name, Title)*	Prof. Vasily Popov		
Contact person (name, position in organization, title (Mr/Mrs/Dr or other)*	Dr. Olga Mashkina, Dozent of Department of Genetics, Cytology and Bioengineering, Voronezh State University, Universitetskaya pl. 1, Voronezh, 394006 Russia		
E-Mail*	olga_mashkina@yahoo.com		
Phone (country code – city code – number)*	+7-4732-208876		
Fax (country code – city code – number)	+7-4732-208755		
Web-site	www.bio.vsu.ru/genetics		
Organisation type	<input checked="" type="checkbox"/> University <input type="checkbox"/> Research Centre	<input type="checkbox"/> SME <input type="checkbox"/> Large Company	<input type="checkbox"/> Consultancy <input type="checkbox"/> Public Administration
(!)Organization Address*	Department of Genetics, Cytology and Bioengineering, Voronezh State University, Universitetskaya pl. 1, Voronezh, 394006 Russia		
Country*	Russia		
Russian Federal District	<input checked="" type="checkbox"/> Centre <input type="checkbox"/> Far-East	<input type="checkbox"/> South <input type="checkbox"/> Northwest	<input type="checkbox"/> Siberia <input type="checkbox"/> Ural <input type="checkbox"/> Volga
Competences in FP7 Theme “Environment (Including Climate Change)”	6.2.1.4 Biodiversity 6.2.1.6 Integrated forest research 6.3.3.1 Risk assessment of chemicals and alternative strategies for testing 6.4.2.1 Tools for impact assessment		
Spheres, which are not listed above, related to your competences and can be of common EU-Russia cooperation interest in Environment	REPRODUCTION AND PRESERVATION OF FORESTRY GENE POOL		
Short description of the organization/department/research team* (max 12 lines): Voronezh State University's total undergraduate student population numbers over 22,000. Almost 1,000 students are engaged in postgraduate work. 1,300 academic staff are currently employed at the University. Of these 230 are professors, 750 senior lecturers and 300 lecturers. On the whole, the University employs 3,000 academic and non-academic staff. 118 departments and 5 major research units are grouped into 18 faculties. The University occupies 9 buildings and 7 residence halls located mostly in city centre. Department of Genetics, Cytology and Bioengineering was established at 1934 as Department of animal Genetics. Now it consists of 2 professors, 3 dozents and 2 assistants. Department have Laboratoties of Molecular genetics, of Cell cultures, of Cytogenetics and of Plants bioengineering. The department researches were supported by grants of Russian Fund for Basic Research, Russian Federation Federal Targeted Programs international grants (CRDF, INTAS). Staff of Department has published more than 100 publication in last 3 years, including paper in FEBS Letters, Russian J. of Ecological Genetics, Russian J. of Biotechnology et al.			
Publications (other references) (max 10): Mashkina O.S., Tabackaya T.M., Starodubtseveva L.M. Mass clonal propagation of Karelian birch and poplar through long-term shoot multiplication // Russian Journal of Plant Physiology, 1999. - Vol. 46, N6.- P.835-837. Mashkina O.S., Tabatskaya T.M., Burdaeva L.M., Isakov Yu.N. Use of tissue culture for clonal propagation and long-term storage of valuable gene pool of forest woody plants // Wood, breeding, biotechnology and industrial expectations // Abstracts of international conference (June 11 - 14, 2001, Bordeaux).- France, -2001.- P.71. Mashkina O.S., Isakov Yu.N. On Genetic-Breeding Improvement of Poplar // Lesovedenie. – 2002. – N3. – P.68-73. (In Russian) Mashkina O.S., Butorina A.K. Genetic Engineering of Forest Woody Plants // Russian J. of Genetics .— 2003 .— Vol. 39, N 3 .— P. 241-248. Matveeva T.V., Frolova N.V., Isakov Yu.N., Mashkina O.S., Lutova L.A. Horizontal Gene Transfer from Agrobacteria to Plants in Natural and Laboratory Conditions // Biotechnology in Agriculture and the Food Industry. – New York: Nova Science Publishers, Inc., 2004.– P. 109-114. (ISBN: 1-59454-119-1). Popov V.N., Eprintsev A.T., Fedorin D.N. Light regulation of succinate dehydrogenase expression in Arabidopsis thaliana leaves // Russ. J. Plant. Physiol. 2007. V. 54, N 3, P. 409-415. Popov V.N., Eprintsev A.T., Fedorin D.N., Igamberdiev A.U. Succinate dehydrogenase in Arabidopsis thaliana is regulated by light via phytochrome A // FEBS Letters. - 2010. - V. 584, N 1. - P. 199-202. Mashkina O.S., Kuznetsova N.F., Isakov Yu. N., Butorina A.K. Self-fertility in scots pine as a mechanism of			



<p>resistance to chemical mutagens // Russian J. of Ecology. – 2009. – V. 40, №6. – P. 399-404. Mashkina O. S., Kalaev V. N., Muraya L. S., Lelikova E. S. Cytogenetic response of scots pine to combined anthropogenic pollution in the area of Novolipetsk metallurgical combine // Russian J. of Ecology Genetica. – 2009. - V. 55, №3. – P. 93-148. Mashkina O.S., Tabatskaya T.M., Gorobets A.I., Schestibratov K.A. Methods for micropropagation of various willow species and hybrids // Russian J. of Biotechnology, 2010. - №1. – P. 51-59.</p>					
Scientific keywords	✓ forest biotechnology	✓ biodiversity	✓ cytogenetics	✓ in vitro cultivation	✓ enzyme expression
Participation in EU’s Framework Programme projects <i>(please include information about no more than 3 projects, the most relevant ones)</i>				<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	



Organization Name*	Voronezh State Technical University (VSTU)		
Organization Address*	Russia, 394026, Voronezh, Moscow av., 14		
Department/Unit*	Department of Semiconductor Electronics and Nanoelectronics		
Contact person (name, position in organization, title)*	Prof. Stanislav Rembeza, Head of the Department Semiconductor Electronics and Nanoelectronics, Dr. Sci., Professor		
Phone*	+7-4732-437695		
Fax	+7-4732-463277		
E-Mail*	rembeza@yandex.ru , vstu-ppe@mail.ru		
Web-site	http://www.vorstu.ru http://www.vorstu.ac.ru/kafedry/ftf/kaf/pp		
Organisation type	<input checked="" type="checkbox"/> University <input checked="" type="checkbox"/> Research Centre	<input type="checkbox"/> SME <input type="checkbox"/> Large Company	<input type="checkbox"/> Consultancy <input type="checkbox"/> Public Administration

Is interested in participation in a project that will be prepared and submitted in the following topic:

Call identifier*	FP7-NMP-2011-EU-RUSSIA
Topic number*	NMP.2011.1.4-5 Multiscale modelling as a tool for virtual Nanotechnology experimentation
Call Deadline*	31 March 2011 at 17:00 (Brussels local time)

Call identifier*	FP7-NMP-2011-SMALL-5
Topic number*	NMP.2011.2.2-3 Materials for solid state lighting
Call Deadline*	4 November 2010 at 17:00 (Brussels local time)

Call identifier*	FP7-NMP-2011-SME-5
Topic number*	NMP.2011.2.1-1 Research and innovation for advanced multifunctional ceramic materials
Call Deadline*	4 November 2010 at 17:00 (Brussels local time)

Call identifier*	FP7-2011-NMP-ENV-ENERGY-ICT-EeB
Topic number*	EeB.ENV.2011.3.1.5-1: Technologies for ensuring, monitoring and/or controlling a high quality indoor environment particularly in relation to energy efficient buildings
Call Deadline*	2 December 2010 at 17:00 (Brussels local time)

Short description of the organization* (max 12 lines):

Voronezh State Technical University was found 51 years ago and has 7 faculties prepared specialists for different industry branches (aircraft, radio-technical, mechanical engineering etc.). The Technical University has a many-years collaboration with enterprises and scientific research institutes. Department of Semiconductor Electronics and Microelectronics exists 47 years at Physical-Technical faculty and prepares engineers for microelectronic industry. Research groups of the department have a possibility to introduce their elaborations in design and fabrication of integrate circuits and original semiconductor devices into industry production. The research team of 3 Dr.Sci., 7 PhD, 8 engineers, post-graduate students and masters, has 12 years experience of work in the field of sensors fabrication and investigation. It has 6 Patents of Russian Federation to design, microelectronic technology of fabrication and composition of sensitive layers for toxic and explosive gases sensors. The research team has more than 100 publications on the topic in Russian and international journals and in proceedings of international conferences. The experimental sensors for control of CO, CH₄ and other hydrocarbons have already been elaborated and tested.

Expertise offered*:

Research team posses of AC- and DC-magnetron sputtering of metal and ceramic targets in the ambient of Ar+O₂, investigation techniques for analysis of atomic composition, structure, morphology and electrical-physical parameters of the samples, can design and fabricate different integrated test structures and sensors by modern microelectronic technology (photolithography, multilayer metallization, ultrasonic binding etc.)

Scientific keywords	1. Synthesis of sensitive layers	2. Electrical-physical, structure properties	3. Gas sensitive properties	4. Sensor's design	5. Sensor's fabrication technology
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Publications on the topic (other references):

1. E.S.Rembeza, S.I.Rembeza, T.V.Svistova "Electrophysical properties of gas sensitive films SnO₂ doped with palladium" - Sensors & Transducers Magazine, v.40, N 2, p. 145-151, 2004.

2. S.I.Rembeza, T.V.Svistova, E.S.Rembeza, V.V.Milashechko "Influence of platinum dopants on the properties of SnO₂ films for gas sensors" – Microsystems, v.3, p.21-24, 2004.
3. S.I.Rembeza, T.V.Svistova, E.S.Rembeza, G.V.Gorlova "Electrical and optical properties of semiconductor films on the base of SnO₂" – Electrical Engineering, v. 10, p. 10-14, 2004.
4. E.S.Rembeza, S.I.Rembeza, E.P.Domashhevskaya, M.V.Grechkina, B.L.Agapov "Influence of the atomic composition of oxide nanocomposites on the base of SnO₂ on their structure" – Nano- and Microsystems, v.7, p. 25-28, 2005.
5. I.A.Popova, A.P.Pavin, E.S.Rembeza, E.P.Domashhevskaya "Fractal analysis of disordered nanocrystalline tin dioxide films" - Proceedings of Russian Academy of Science, ser. "Physics", v.69, N8, p. 1210-1213, 2005.
6. E.S.Rembeza, S.I.Rembeza, T.V.Svistova, O.I.Borsyakova "Physical properties of SnO₂ films subjected to incoherent pulsed radiation" – Semiconductors, v.40, N 1, p. 55-58, 2006.
7. E.S.Rembeza, S.I.Rembeza, T.V.Svistova, N.N.Dyrda "Methods of enhancement gas sensitive properties of SnO₂ films for gas sensors" - Proceedings Universities of Russia, ser. "Electronics", N1, p.3-8, 2006.
8. E.S.Rembeza, T.V.Svistova, S.I.Rembeza, A.S.Komarova, N.N.Dyrda "Structure and electrical-physical properties of SnO_x:MnO_y nanocomposite" – Nano- and Microsystems, v.4, p. 27-28, 2006.
9. V.I.Mitrokhin, S.I.Rembeza, E.S.Rembeza, A.A.Rudenko "Inelastic relaxation in tin dioxide thin films" – Solid State Phenomena, v. 115, p. 275-278, 2006.
10. E.S.Rembeza, T.V.Svistova, S.I.Rembeza, A.S.Komarova, N.N.Dyrda "Nanocomposites SnO_x:MnO_y for microelectronic gas sensors" – Nano- and Microsystems, v.11, p. 23-25, 2006.
11. E.S.Rembeza, S.I.Rembeza, B.M.Sinelnikov, T.V.Svistova, E.P.Domashhevskaya "Thin film nanocomposites for gas sensors" - Journal of the Rare Metal Materials and Engineering, v.35, suppl. 3, p. 33-35, 2006.
12. E.S.Rembeza, S.I.Rembeza "Nanocomposites Sn-Si-O and Sn-Mn-O for gas sensors" - Sensors & Transducers Journal, v.85, N11, p. 1739-1744, 2007.
13. E.S.Rembeza, S.I.Rembeza, E.Russkih, N.Kosheleva "Synthesis and properties of thin film nanocomposites Sn-Y-O for gas sensors" - Sensors & Transducers Journal, v.110, N11, p. 71-77, 2009.
14. S.I.Rembeza, T.V.Svistova, E.S.Rembeza, G.V.Gorlova "Semiconductor metal oxide gas sensor" - Patent of Russian Federation N 2206082 of 10.06.2003.
15. S.I.Rembeza, V.A.Buslov, O.G.Vikin, E.S.Rembeza, G.A.Vikin "Solid integral gas sensor" - Patent of Russian Federation N 2257567 of 19.05.2005.
16. S.I.Rembeza, T.V.Svistova, E.S.Rembeza, N.N.Dyrda "Method of fabrication of sensitive element for gas sensors" - Patent of Russian Federation N 2307346 of 27.09.97.
17. S.I.Rembeza, D.V.Russkih, E.S.Rembeza "Method of improvement of gas sensor parameters" - Patent of Russian Federation N 2359259 of 20.06.09.

Description of previous and present experience in International Cooperation (max. 10 lines):

2008-2009 joint Russian-Chinese project (RFBR-GFEN grant 07-02-92102 «Fabrication and Surface/Interface Structure-Gas Sensing Property Relationship of SnO₂- based Nanocomposite Thin Films»



E-URAL “European Union and Russia link for S&T co-operation in the area of the Environment”

Organization Name*		Voronezh State Technical University			
Department/Unit*		Physics Department			
Head of Department / Unit (Name, Title)*		Prof. Vladimir Zheleznyi			
Contact person (name, position in organization, title (Mr/Mrs/Dr or other)*		Prof. Ekaterina Rembeza			
E-Mail*		rembeza@phys.vsu.ru			
Phone (country code – city code – number)*		+7-4732-783886			
Fax (country code – city code – number)		+7-4732-463277			
Web-site		http://www.vorstu.ru			
Organisation type		<input checked="" type="checkbox"/> University <input type="checkbox"/> Research Centre		<input type="checkbox"/> SME <input type="checkbox"/> Large Company	
Organization Address*		Moscow av. 14, 394026 Voronezh			
Country*		Russia			
Russian Federal District		<input checked="" type="checkbox"/> Centre <input type="checkbox"/> Far-East		<input type="checkbox"/> South <input type="checkbox"/> Northwest	
				<input type="checkbox"/> Siberia <input type="checkbox"/> Ural <input type="checkbox"/> Volga	
Competences in FP7 Theme “Environment (Including Climate Change)”		6.1.1.2 Emissions and pressures: Natural and anthropogenic			
Spheres, which are not listed above, related to your competences and can be of common EU-Russia cooperation interest in Environment		monitoring of ambient, safety of human activity, safety of industrial technologies etc.			
Short description of the organization/department/research team* (max 12 lines):					
Research team has a many years experience in production and investigation of semiconductor gas sensors for monitoring of the ambient.					
Scientific keywords	<input checked="" type="checkbox"/> nanocomposites	<input checked="" type="checkbox"/> thin films	<input checked="" type="checkbox"/> gas sensors	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Participation in EU’s Framework Programme projects <i>(please include information about no more than 3 projects, the most relevant ones)</i>				<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
Participation in other European programmes projects <i>(please include information about no more than 3 projects, the most relevant ones)</i>				<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
Participation in relevant Russian projects <i>(please include information about no more than 3 projects, the most relevant ones)</i>				<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO



Organization Name*	Voronezh State Academy of Forestry and Technologies (VSAFT)		
Organization Address*	394613, Russian Federation, Voronezh, Timirjasev str., 8		
Department/Unit*	Department of Forest Stands and Breeding		
Contact person	Dr. Igor Isakov, Docent		
E-Mail	isakov@vmail.ru		
Phone	+7-4732-538717		
Fax	+7-4732-537651		
Web-site	www.vglta.vrn.ru		
Organisation type	<input checked="" type="checkbox"/> University <input checked="" type="checkbox"/> Research Centre	<input type="checkbox"/> SME <input type="checkbox"/> Large Company	<input type="checkbox"/> Consultancy <input type="checkbox"/> Public Administration
Competences in FP7 Theme "Environment (Including Climate Change)"	6.2.1.4 Biodiversity 6.2.1.6 Integrated forest research		

Is interested in participation in a project that will be prepared and submitted in the following topic:

Call identifier*	FP7-ENV-2011
Topic number*	ENV.2011.2.1.4-2 Behaviour of ecosystems, thresholds and tipping points ENV.2011.2.1.4-3 Improved comprehension of the utility of the concepts of value of biodiversity
Call Deadline*	16 November 2010 at 17:00 (Brussels local time)

Call identifier*	FP7-KBBE-2011-5
Topic number*	KBBE.2011.1.1-04: Sustaining and managing forest tree genetic resources
Call Deadline*	25 January 2011 at 17.00 (Brussels local time)

Role in the project*	<input type="checkbox"/> Coordinator <input checked="" type="checkbox"/> Partner				
Type of suggested activities*	<input checked="" type="checkbox"/> RTD <input checked="" type="checkbox"/> Demonstration	<input type="checkbox"/> Training	<input checked="" type="checkbox"/> Support	<input type="checkbox"/> Coordination	<input type="checkbox"/> Management

Short description of the organization* (max 12 lines):
 Main directions of the work: Restoration of woods, increasing its steadiness, productivity and environmental role. Complex and rational use of forest resources; Resource-saving and ecologically perspective technologies and forest complex materials with computer available systems; Motor transport traffic optimization on Voronezh and its area roads; Technologies, machinery and forest complex equipment modernization; Materials, production technologies, machinery repair and operation modernization; Forest complex technologies automation and computerization; Technologies, equipment, woodworking materials modernization; Forest complex enterprises economic mechanism modernization and projection.

Expertise offered* (max 500 words):
 The aim of the research is to study variability of natural populations of birch and pine by the rate of self-fertility, as well as the possibility of obtaining pure lines in birch and ordinary pine, and on their basis of hybrid heterosis.
 For the solution of this problem, we have undertaken the following tasks:
 1. To reveal the reaction of separate trees of local species of birch and ordinary pine to different methods of pollination (inbreeding, cross- and outbreeding);
 2. To study some morphological characteristics (height growth, trunk diameter, survival and linear characteristics of leaf traits).

Scientific keywords	<input checked="" type="checkbox"/> Inbreeding	<input checked="" type="checkbox"/> Outbreeding	<input checked="" type="checkbox"/> Mating system	<input checked="" type="checkbox"/> Birch sp.	<input checked="" type="checkbox"/> Hybridization
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Publications on the topic (other references) (max 10):

- Some aspects of the nature of figured wood of karelian birch and its development by different methods of propagation // Forest sector development problems, Petrozavodsk: PSU, 1998. (With Isakov Yu. N., Mashkina O.S., Tabatskaya T.M.). P. 76-82.
- Isakov I. Morphological variability of leaves in some artificial Birch hybrids // Abstract book of the 17th International Botanical Congress, Vienna, Austria, July 17-23, 2005. – P.331.
- Isakov I. Growth dynamics of local Birch families obtained by different pollination types // VI International Meeting of Young Scientists «Eurasian Forests – Hungarian Forest», Moscow - Sopron, PH MSFU, July 4-9, 2006. P. 28-31.
- Isakov I. Inheritance of leaf's shape in some birch hybrids // VII International Meeting of Young Scientists «Eurasian Forests – Russian North», Moscow - Petrozavodsk, PH MSFU, July 9-17. 2007. P. 43-46.
- Isakov I., Isakov Y. Peculiarities of Growth and Development of Seed Progeny in Silver Birch, Downy Birch and Ordinary Pine (Pinus sylvestris) Produced by Different Pollination Methods./ Abstract book of the XX-th International



Congress of Genetics, Berlin, Germany, Yuly 12 – 17, 2008. – P. 191 – 192.

- Isakov I.Yu. Differentiation of natural population of a birch on allogamous and autogamous forms and their use in selection. Eurasian Forests – Northern Caucasus, Materials of the VIII International Conference of Young Scientists, dedicated to 270-th anniversary from the date of A.T. Bolotov’s birth.-V. 2, P. 141-142.
- Mating system and inbreeding depression in Betula species. ONLINE PRESENTATIONS. Internet address: <http://www.owwz.de/669.html?&L=1>



Organization Name*	Voronezh State Academy of Forestry and Technologies (VSAFT)		
Department/Unit*	Department of Forestry		
Head of Department / Unit (Name, Title)*	Titov, Eugeny, D.Sc., Prof.		
Contact person (name, position in organization, title (Mr/Mrs/Dr or other)*	Prof. Sergey Matveev, D.Sc.		
E-Mail*	lisovod@bk.ru		
Phone (country code – city code – number)*	+7 (4732) 35-76-81		
Fax (country code – city code – number)	+7 (4732) 53-84-46		
Web-site	www.vglta.vrn.ru		
Organisation type	<input checked="" type="checkbox"/> University <input type="checkbox"/> SME <input type="checkbox"/> Research Centre <input type="checkbox"/> Large Company <input type="checkbox"/> Consultancy <input type="checkbox"/> Public Administration		
Organization Address*	Voronezh, Timiriazeva 8		
Country*	Russia		
Russian Federal District	<input checked="" type="checkbox"/> Centre <input type="checkbox"/> South <input type="checkbox"/> Siberia <input type="checkbox"/> Far-East <input type="checkbox"/> Northwest <input type="checkbox"/> Ural <input type="checkbox"/> Volga		
Competences in FP7 Theme “Environment (Including Climate Change)”	6.1.1.2 Emissions and pressures: Natural and anthropogenic 6.2.1.6 Integrated forest research 6.4.2.2 Sustainable development indicators		
spheres, which are not listed above, related to your competences and can be of common EU-Russia cooperation interest in Environment	Dendrochronology, Dendroclimatology, Dendroindication		
Short description of the organization/department/research team* (max 12 lines):			
<p><i>Voronezh State Academy of Forestry and Technologies</i> is one of the oldest and largest schools of its kind in Russia which provides over 80 years of experience in scientific research and education in the area of Forestry and Forest Dynamics, particularly of the East-European forest-steppe region. <i>Academy's Department of Forestry</i> faculty includes leading specialists (including Doctors of Science and PhDs) in all major areas of forest research.</p> <p><input checked="" type="checkbox"/> My and my students research projects include dendrochronology, dendroclimatology as well as dendroindication of natural and antropogenic dynamics of forest ecosystems of East-European forest-steppe of Russian Plain. Dendroindication of the natural and anthropogenic transformation of forest ecosystems based on the investigation of the natural cycles' dynamics (i.e. climate dynamics and tree growth dynamics).</p>			
Publications (other references) (max 10):			
<ol style="list-style-type: none"> 1. Matvejev, S.M. Dendrochronological studies of technogenic changes in pine forests of the Voronezh region. (Eng.) / S.M. Matvejev // <i>Scientia agriculturae Bohemica</i>, N 29, 1998 (1). - P.65-73. 2. Матвеев, С.М. Дендрохронология: Учеб. пособие / С.М. Матвеев. - Воронеж: ВГЛТА, 2001. - 88 с. / Matveev, S.M., 2001, Dendrochronology. , Voronezh, VGLTA, 2001, 88p. 3. Матвеев, С.М. Естественная и антропогенная динамика климата Центральной лесостепи Русской равнины (по данным метеостанции «Воронеж») / С.М. Матвеев // Вестник ЦЧР отделения наук о лесе РАЕН, ВГЛТА. - 2002. – Ч. 2.- №. 4.- С. 61-68./ Matveev, S.M., 2002, Natural and anthropogenic climate dynamics in Central forest-steppe region of Russian Plain (based on 'Voronezh' meteorological station observations) [in '<i>Herald of the Russian Academy of Natural Sciences</i>', 2002, VGLTA, Vol.2, N.4, pp.61-68. 4. Матвеев, С.М. Дендроиндикация динамики состояния сосновых насаждений Центральной лесостепи: монография / С.М. Матвеев. – Воронеж: Изд-во ВГУ, 2003. - 272 с./ Matveev, S. M., 2003, Dendroindication of the pine forests states in the Central forest-steppe region, Monograph, Voronezh, Pub. VGU, 2003, 272p. 5. Матвеев, С.М. Зонирование и картографирование на базе действующей ГИС лесов, подверженных воздействию антропогенных факторов / С.М. Матвеев // Лесное хозяйство. - 2004. - № 3 - С. 26-28. / Matveev S., M., 2004, Zonation and GIS-based cartographic assessment of anthropogenically affected forests, <i>Lesnoe hoziaystvo</i>, 2004, no.3, pp.26-28. 6. Матвеев С.М. Цикличность прироста сосновых древостоев Центральной лесостепи в 11-летнем цикле солнечной активности / С.М. Матвеев // Лесной журнал. – 2005. - № 1-2. – С. 14-22 / Matveev S. M., 2005, Cyclic variations in the pine stands annual grows rate in Central forest-steppe within the 11-yr sun cycle, <i>Lesnoy journal</i>, 2005, no.1-2, pp.14-22. 7. Матвеев, С.М. Некоторые направления и результаты дендроиндикации состояния лесных экосистем в Центральной лесостепи / С.М. Матвеев, В.И. Таранков, В.В. Акулов, Е.Е. Мельников // Вестник МГУЛ. Лесной вестник. 2009.- № 1 (64).- С. 45-50. / Matveev, S.M., Tarankov, V.I., Akulov, V.V., Melnikov, E.E., 2009, Some results and directions of dendroindication of states of forest ecosystems in Central forest-steppe, MGUL 			



<i>Herald/Vestnik MGUL: Lesnoy vestnik, 2009, Vol.1, no.64, pp.45-50.</i>					
Scientific keywords	Dendrochronology	Dendroclimatology	Dendroindication	Forest ecosystems	Natural cycles
Participation in EU’s Framework Programme projects <i>(please include information about no more than 3 projects, the most relevant ones)</i>				<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
Participation in other European programmes projects <i>(please include information about no more than 3 projects, the most relevant ones)</i>				<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
Participation in relevant Russian projects <i>(please include information about no more than 3 projects, the most relevant ones)</i>				<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
If yes:					
Project(s) description	Title	Oak forests degradation in forest steppe ecoregions.			
	Acronym				
	Duration	2009-2010			
	Web-site				
	Reference to the FP7 theme “Environment”	<i>(please insert its area/sub-area number and title - see the table “COMPETENCES”)</i>			
	Project brief description	The presented project studied observed succession in second growth oakeries of the East-European forest-steppe region, as well as investigated the key factors contributing to the observed shift in the types of plant species.			
Activities performed	<input checked="" type="checkbox"/> Research and Technological Development <input type="checkbox"/> Demonstration		<input type="checkbox"/> Management <input type="checkbox"/> Coordination		<input type="checkbox"/> Training <input type="checkbox"/> Support
	<i>Please specify:</i>				
Description of other previous and present experience in International Cooperation (max. 10 lines)					
Research stage in the Forest Department of the Czech University of Agriculture, Prague (1997-1998, six month stage). Joint research project in Dendrochronology with V. Podrazsky, Prof. (Forestry Department), Conference «Globalni klimaticka zmena: ucinky, stav a uroven reseni problemu v meritku Ceske republiky» (Global climatological change: drivers, current state and solutions in the Czech Republic) (Olomouc, 1998), published proceedings.					

INTEREST IN FP7 OPEN CALLS

Call identifier*	6.1.1. Воздействие на окружающую среду и климат				
Topic(s) number*	ENV.2011.1.1.2-1 The impact of atmospheric pollution on European land ecosystems and soil in a changing climate				
Call Deadline*	18.11.2010				
Role in the project*	<input type="checkbox"/> Coordinator <input checked="" type="checkbox"/> Partner				
Type of suggested activities*	<input checked="" type="checkbox"/> RTD <input type="checkbox"/> Demonstration		<input type="checkbox"/> Training <input type="checkbox"/> Coordination		<input type="checkbox"/> Support <input type="checkbox"/> Management
Project proposal (for coordinators)/Expertise offered (for partners)* (max 500 words):					
Bio-indication of climatic changes in Russia including natural climate cycles’ dynamics, carbon cycle dynamics, and anthropogenic influence on the Central forest-steppe (the East-European forest-steppe of Russian Plain) forest ecosystems, in order to estimate their current state, degree of disturbance, and growing and productivity potential.					



E-URAL “European Union and Russia link for S&T co-operation in the area of the Environment”

Organization Name*		Research Institute of Forest Genetics and Breeding			
Department/Unit*		Genetic laboratory			
Head of Department / Unit (Name, Title)*		Panitchev G.P.			
Contact person (name, position in organization, title (Mr/Mrs/Dr or other))*		Dr. Olga Zemlianukhina, Senior research worker, Candidate of biological sciences			
E-Mail*		oz54@mail.ru			
Phone (country code – city code – number)*		+7(4732)539436			
Fax (country code – city code – number)		+7(4732)539436			
Organisation type		<input type="checkbox"/> University <input checked="" type="checkbox"/> Research Centre	<input type="checkbox"/> SME <input type="checkbox"/> Large Company	<input type="checkbox"/> Consultancy <input type="checkbox"/> Public Administration	
(!)Organization Address*		Voronezh, Lomonosova street, 105			
Country*		Russia			
Russian Federal District		<input checked="" type="checkbox"/> Centre <input type="checkbox"/> Far-East	<input type="checkbox"/> South <input type="checkbox"/> Northwest	<input type="checkbox"/> Siberia <input type="checkbox"/> Ural <input type="checkbox"/> Volga	
Competences in FP7 Theme “Environment (Including Climate Change)”		6.2.1.4 Biodiversity 6.2.1.6 Integrated forest research			
Spheres, which are not listed above, related to your competences and can be of common EU-Russia cooperation interest in Environment		I am interested in diseases of trees, in particularly crown galls, the influence of <i>Heterobasidion annosum</i> , isozyme polymorphism of <i>Quercus robur</i> ; adaptation to unfavorable factors of environment (enzyme activities and isozyme spectrums)			
Short description of the organization/department/research team* (max 12 lines): FSUE “NIILGiS” gives help to forestry enterprises, forest industry and concerned organization in solution of the following problems: development of intensive technologies for growing of plantation stands with short rotation; tree growing with given characters (stem and wood quality, resin productivity of coniferous, woody species resistance to extreme exposure) and many others.					
Publications (other references) (max 10): 1. Microclonal propagation of <i>Pinus silvestris</i> by methods of through organogenesis . Rev. 5 Congress VOGIS, 2009, P.230 2. Receipt sugar beet plants carried mf2 gene which induced nonspecific stability to phytopathogenes. Suger Beet, N 2, 2009, P.20-21.					
Scientific keywords	isozymes	Tissue culture	<i>Quercus robur</i>	enzyme activity	<i>Heterobasidion annosum</i>



Organization Name*	Belgorod State University
Department/Unit*	Botanical Garden, BSU
Contact person (name, position in organization, title)*	Valerie K. Tokhtar', Director of the botanical Garden of the Belgorod State University (BSU)
E-Mail*	tokhtar@bsu.edu.ru
Phone*	+7 (4722) 30-11-00
Fax	+7 (4722) 30-11-01
Web-site	http://www.bsu.edu.ru/bsu/structure/detail.php?ID=73266&IBLOCK_ID=298
Head of Department / Unit (Name, Title)*	Prof. L.Ya. Dyatchenko
Organization Address*	Russia, 308015, Belgorod, Pobeda-str., 85
Organisation type	<input checked="" type="checkbox"/> University <input type="checkbox"/> SME <input type="checkbox"/> Consultancy <input checked="" type="checkbox"/> Research Centre <input type="checkbox"/> Large Company <input type="checkbox"/> Public Administration

Competences In FP7 Theme “Environment (Including Climate Change)”	6.1.1.2 Emissions and pressures: Natural and anthropogenic 6.2.1.4 Biodiversity 6.2.1.5 Urban development 6.3.1.5 Built environment 6.4.2.1 Tools for impact assessment
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Short description of the organization/department/research team* (max 12 lines):
Our research activity is to work out a system of monitoring of dangerous and harmful alien species distribution created taking into consideration the most important corridors of alien plants migrating from different parts of Europe. The main research directions also are: introduction and Acclimatization of Plant Forms, Sorts and Species under the Conditions of Greenhouses and the Botanical Garden of BelSU, comparison of the different anthropogenous transformed floras of Europe, selective alien plant species distribution into different anthropogenous landscapes, ecological niches differentiation of plant species under the different ecological conditions, microevolution and distribution of a model genus *Oenothera* species in Europe. We can conduct all our researches with any unique equipment which the BelSU has: scanning electron microscope Dual SEM-FIB Quanta 200 3D with attachment for chemical microanalysis (EDS) and attachment for misorientation analysis (EBSD), lidar equipment for a research of anthropogenous pollution zones by a space satellite, necessary computer software (the CANOCO and GIS-technology). We study some model plant genera with REM- and RAPD-techniques. It give an opportunity to make a new type of ecological expertise for anthropogenic impact in Europe predicting changes of plant cover which depend on climatic alterations.

Publications (other references) (max 10):

1. Wittig R., Lenker K.-H., Tokhtar' V.K. Zur Sociologie von Arten der Gattung *Oenothera* L. im Rheintal von Arnheim (NL) bis Mblhouse (F)// Tuexenia. – 1999. – 19. – S. 447-467.
2. Wittig R., Lenker K.-H., Tokhtar' V.K. Evolution and development of plant populations in technogenous ecotopes// Soil Science. – 2001. – 1-2 – P. 97-105.
3. Tokhtar' V.K., Kharkhota A.I., Rostanski A., Wittig R. A comparison of the floras of industrial ecotopes located in different geographical areas of Europe/ German Botanical Society Symposium (Frankfurt-on-Main, September, 2003). – Frankfurt-on-Main: S.I., 2003. – P. 237.
4. Wittig R. & Tokhtar' V.K. Die Haufigkeit von *Oenothera*-Arten im westlichen Mitteleuropa/ Feddes Repertorium. – 2003. – 114. – 5-6. – S. 372-379.
5. Wittig R. & Tokhtar' V.K. Vorkommen und relative Haufigkeit von Arten der Gattung *Oenothera* im Raum Frankfurt/ Main.- Schriftenreihe, Amt fur Stadtoekologie. Abt. Umwelt der Wissenschaftsstadt Darmstadt. – 2003. – Band XVII (2). – S. 10-19.
6. Rostanski K., Rostanski A., Shevera M. & Tokhtar' V.K. *Oenothera* in Ukraine In: The genus *Oenothera* L. in Eastern Europe. – Krakow: W. Szafer Institute of Botany, 2004. – 134 p.
7. Tokhtar' V. and Wittig R. Divergence of morphological floral traits among European *Oenothera* L. populations // Вестник Белгородского государственного университета. – 2008.- С. 56-62.
8. Сорокопудов В.Н., Новиков О.О., Нетребенко Н.Н., Писарев Д.И., Тохтарь В.К., Сорокопудова О.А., Третьяков М.Ю. Дикорастущие лекарственные растения юго-запада Среднерусской возвышенности: Российская академия медицинских наук, 2009. – 289 с.
9. Тохтарь В.К., Фомина О.В., Грошенко С.А., Самыловский В.А., Петин А.Н. Флористические находки адвентивных видов растений в Белгородской области // Проблемы региональной экологии. – № 1. - 2009. – С.121-124.
10. Тохтарь В.К., Фомина О.В., Петин А.Н., Шевера М.В., Губарь Л.М. Сравнение урбанофлор различных природно-климатических зон методом факторного анализа // Проблемы региональной экологии – № 1. - 2009. – С. 27-30.



Participation in relevant Russian projects <i>(please include information about no more than 3 projects, the most relevant ones)</i>		<input checked="" type="checkbox"/> YES		<input type="checkbox"/> NO
If yes:				
Project(s) description	Title	1.Evolution of invasiveness of alien species: microevolution mechanisms and methodical aspects to predict alien plant species distribution» 2. Working out of system approach to assessment of new type of agroecosystems		
	Acronym	RFBR		
	Duration	3 year		
	Web-site			
	Reference to the FP7 theme “Environment”	<i>(please insert its area/sub-area number and title - see above)</i>		
	Project brief description			
	Activities performed	RTD. Demonstration	Management Coordination	Training <input checked="" type="checkbox"/> Support
	<i>Please specify:</i>			



(!)Organization Name*		Belgorod State University			
(!)Department/Unit*		Biology and Chemistry faculty / chair of anatomy and physiology of live organisms			
(!)Contact person (name, position in organization, title (Mr/Mrs/Dr or other)*		Marina Zotovna Fedorova, the Dr.Sci.Biol., managing chair			
E-Mail*		<i>Fedorova@bsu.edu.ru</i>			
Phone (country code – city code – number)*		7-4722- 301160			
Fax (country code – city code – number)					
Web-site		<i>http://www.bsu.edu.ru</i>			
Organisation type		<input checked="" type="checkbox"/> University	<input type="checkbox"/> SME	<input type="checkbox"/> Consultancy	
		<input type="checkbox"/> Research Centre	<input type="checkbox"/> Large Company	<input type="checkbox"/> Public Administration	
(!)Organization Address*		Pobeda 85, Belgorod, 308015, Russia			
Country*		Russia			
Russian Federal District		<input checked="" type="checkbox"/> Centre	<input type="checkbox"/> South	<input type="checkbox"/> Siberia	
		<input type="checkbox"/> Far-East	<input type="checkbox"/> Northwest	<input type="checkbox"/> Ural	
				<input type="checkbox"/> Volga	
Competences In FP7 Theme “Environment (Including Climate Change)”		6.1.2.2 Health effects of environmental stressors other than climate change			
Short description of the organization/department/research team* (max 12 lines):					
<p>The purposes of the Laboratory: to research physiological mechanisms of living organisms’ adaptive reactions under different conditions of environment; to apply the results in practice of clinical and veterinary laboratories, educational institutions and farming industries. There are various departments in the structure of Laboratory: the sector of experimental physiology, the sector of evolutionary physiology, the sector of age-specific and pedagogical physiology, the sector of clinical physiology</p> <p>The project «Investigation of plasmalemma’s role in realization of blood cells’ functional properties».The existence of ‘membrane reserve’ in all vertebrates’ nuclear hemocytes was shown by light, atomic-force (Ntegra-vita) and scanning electron (Quanta 200 3D) microscopy methods with usage of functional hyposmotic loads. The quantity of plasmalemma’s reserve was estimated in erythrocytes and leucocytes of chordate animals’ main classes. It is discovered that plasmalemma takes part in regulation of cells’ volume and hemocytes’ migration. The changes of blood cells’ functional properties were revealed under normal and pathological conditions and also during the adaptation to extreme factors of the environment.</p>					
Publications (other references) (max 10):					
<ol style="list-style-type: none"> 1. Федорова М.З.,Надеждин С.В., Колобов Ю.Р., Иванов М.Б., Павлов Н.А., Зубарева Е.В. Влияние физико-механических характеристик биокompозитного покрытия на репаративный остеогенез// Технологии живых систем, 2009, т. 6, № 3. – С. 76-80. 2. Федорова М.З.,Надеждин С.В., Колобов Ю.Р., Иванов М.Б., Павлов Н.А., Зубарева Е.В. Зависимость остеоиндуктивных свойств биокompозитного материала от физико-химических характеристик покрытия// Бюллетень экспериментальной биологии и медицины, 2009, т. 148, № 11. – С. 576-579. 3. Fedorova M.Z., Pavlov N.A., Zubareva E.V., Nadezhdin S.V., Simonov V.V., Zabinyakov N.A., Tveritina E.S. The Use of Atomic Force Microscopy for Estimating Morphometric Characteristics of Blood Cell// Biophysics, 2008. Vol. 53, № 6, pp 555-558. 4. Fedorova M.Z., Pavlov N.A., Zubareva E.V., Simonov V.V. Influence of ecological factors on the use of blood lymphocytes membrane reserve in the in vitro experiments// Journal of vascular research, 2008, v. 45, suppl. 2. – P. 96. 5. Федорова М.З., Клочкова Г.Н., Анкудинов И.В. Микрореологические нарушения и их биохимические корреляты у лиц с сахарным диабетом и начальными проявлениями гипертензии// Бюллетень экспериментальной биологии и медицины, 2008, т.145, № 2. – С. 148-150. 6. Федорова М.З.,Надеждин С.В. Морфометрические характеристики как критерий функциональных свойств лейкоцитов// Астраханский медицинский журнал, 2007, № 2. – С. 191-192. 					
Scientific keywords	<input checked="" type="checkbox"/> health	<input checked="" type="checkbox"/> ecological factors	<input checked="" type="checkbox"/> leukocytes	<input checked="" type="checkbox"/> erythrocytes	<input checked="" type="checkbox"/> atomic force microscopy



(!)Organization Name*		Belgorod State University			
(!)Department/Unit*		Department of Geography and Geoecology			
(!)Head of Department / Unit (Name, Title)*		Kornilov Andrey Gennadievich, Doctor of Geographical Sciences (Dr.Sci.), Professor			
(!)Contact person (name, position in organization, title (Mr/Mrs/Dr or other)*		Prof. Yury Chendev, Doctor of Geographical Sciences (Dr.Sci.), Professor of the Dept. of Geography and Geoecology, Geologic-Geographical Faculty, Belgorod State University, Russia			
E-Mail*		chendev@bsu.edu.ru			
Phone (country code – city code – number)*		810-4722-30-11-71			
Fax (country code – city code – number)		810-4722-30-11-74			
Web-site		www.bsu.edu.ru			
Organisation type		<input checked="" type="checkbox"/> University	<input type="checkbox"/> SME	<input type="checkbox"/> Consultancy	
		<input checked="" type="checkbox"/> Research Centre	<input type="checkbox"/> Large Company	<input type="checkbox"/> Public Administration	
(!)Organization Address*		Pobeda Street 85, 308015, Belgorod			
Country*		Russia			
Russian Federal District		<input checked="" type="checkbox"/> Centre	<input type="checkbox"/> South	<input type="checkbox"/> Siberia	
		<input type="checkbox"/> Far-East	<input type="checkbox"/> Northwest	<input type="checkbox"/> Ural	
				<input type="checkbox"/> Volga	
Competences in FP7 Theme “Environment (Including Climate Change)”		6.3.1.2 Soil			
Short description of the organization/department/research team* (max 12 lines): Research group “Evolution and Dynamics of Soils and Landscapes” includes 10 persons (mainly undergraduate and postgraduate students). The head of the group, Yury Chendev, with group’s members carries studies of soils and other components of the environment changes in the time by the influence of natural and anthropogenic factors. The chief study natural factors are long and short term Holocene changes of climate and vegetation. The chief study anthropogenic factors are industry and agriculture (mainly plowing). The group takes participation in many archaeological and geographical expeditions within Central-Chernozem Region and in the Ukraine.					
Publications (other references) (max 10): <u>Monographs</u> Chendev, Yu.G. 2008. Evolution of Forest-Steppe Soils within Central Russian Upland during the Holocene, Moscow, GEOS, 212 pp. [in Russian]. Chendev, Yu.G., and Petin, A.N. 2006. Natural Changes of Technogenic Transformation of Environmental Components in Old-Arable Regions (by the Example of Belgorod Oblast), Moscow, Mosk. State Univ., 124 pp. [in Russian]. Chendev, Yu.G. 2004. Natural Evolution of Soils in the Central Forest-Steppe Zone during the Holocene, Belgorod, Belgorod. Gos. Univ., 200 pp. [in Russian]. <u>Articles</u> Chendev, Yu.G., Petin, A.N., Serikova, E.V., and Kramchaninov, N.N. 2008. Degradation of Geosystems in the Belgorod Region as a Result of the Economic Activities // Geography and Natural Resources, volume 29, issue 4 [in English]. Chendev, Yu.G., and Kriushin, V.P. 2007. Transformation of Morphogenetic Structure of Arable Chernozems, <i>Izv. Ros. Acad. Nauk, Ser. Geogr., no. 1, pp. 73-82</i> [in Russian]. Chendev, Yu.G. 2006. Soil Agrochronosequences in Broad-Leaved Forest Landscape of the Central Forest-Steppe. In: Problems of Ancient Farming and Soil Evolution in Forest and Steppe Landscapes of Europe, Belgorod, Belgorod Gos. Univ., pp. 70-79 [in Russian]. Chendev, Yu.G., and Kulikov, A.V. 2004. Man-Induced Transformation of Soils in the Vicinity of Classical Kitheion, <i>Ross. Arheologiya, no. 3, pp. 44-55</i> [in Russian]. Chendev, Yu.G., and Aleksandrovskii, A.L. 2002. Soils and Environment in the Voronezh River Basin in the Second Half of the Holocene, <i>Eurasian Soil Science, Vol. 35, no. 4., pp. 341-348</i> . Chendev, Yu.G., McLemore, W.H., Friddell, M.S., and Shapiro, E.A. 2000. The Effect of Plowing on the Properties of Subtropical Coastal Plain Soils in the Southeast of the United States, <i>Eurasian Soil Science, vol. 33, no. 7, pp. 723-732</i> . Chendev, Yu.G. 1999. Natural Evolution of Forest-Steppe Soils in the Southwest of the Central Russian Upland During the Holocene, <i>Eurasian Soil Science, vol. 32, no. 5. pp. 495-506</i> .					
Scientific keywords	<input checked="" type="checkbox"/> Evolution of soils	<input checked="" type="checkbox"/> Dynamics of geo-systems	<input checked="" type="checkbox"/> Geoarchaeology	<input checked="" type="checkbox"/> Historical Geography	<input checked="" type="checkbox"/> Soil Science
Participation in EU’s Framework Programme projects (please include information about no more than 3 projects, the most relevant ones)				<input type="checkbox"/> NO	



E-URAL “European Union and Russia link for S&T co-operation in the area of the Environment”

Participation in other European programmes projects <i>(please include information about no more than 3 projects, the most relevant ones)</i>		<input type="checkbox"/> NO	
Participation in relevant Russian projects <i>(please include information about no more than 3 projects, the most relevant ones)</i>		<input type="checkbox"/> YES	
If yes:			
Project(s) description	Title	Evolution of Gray Forest Arable Soils of the Central Forest-Steppe Zone (On Example of Belgorod Oblast): Processes, Stages, Mechanisms	
	Acronym	Russian Foundation for Basic Research	
	Duration	2009-2011	
	Web-site	http://www.rfbr.ru/	
	Reference to the FP7 theme “Environment”	<i>(please insert its area/sub-area number and title - see the table “COMPETENCES”)</i> 6.3.1 Environmental technologies for observation, simulation, prevention, mitigation, adaptation, remediation and restoration of the natural and man-made environment. 6.3.1.2 Soil	
	Project brief description	The purpose of the project is a study of gray forest soils (Luvisols) evolution under the effect of prolonged dry agriculture. Tasks: to conduct a field study of natural (background) and arable gray forest soils of different periods of agricultural management; to reveal the directed and phasic chronological variations of properties and processes in the arable gray forest soils; to base mechanisms of the gray forest-steppe soils transformation as a result of change of forest by plowed land and with their long plowing.	
Activities performed	<input checked="" type="checkbox"/> Research and Technological Development <input type="checkbox"/> Demonstration		Activities performed
	<i>Please specify:</i>		
Description of other previous and present experience in International Cooperation (max. 10 lines) 2008-2009. Agrotechnogenic Evolution of Gray Forest Soils in Landscapes-Analogues within the Forest-Steppe Zone: Northeast Central Plains, USA and Central Russian Upland, Russia (Fulbright Program, USA) 1998. The Rejuvenation of Soils in the Upper Coastal Plain of Georgia (Agreement 65-4310-7-235. Georgia Department of Natural Resources - United States Department of Agriculture.			

INTEREST IN FP7 OPEN CALLS

Call identifier*	6.3.1 Environmental technologies for observation, simulation, prevention, mitigation, adaptation, remediation and restoration of the natural and man-made environment		
Topic(s) number*	6.3.1.2 Soil		
Call Deadline*			
Role in the project*	<input type="checkbox"/> Coordinator <input checked="" type="checkbox"/> Partner		
Type of suggested activities*	<input checked="" type="checkbox"/> RTD <input type="checkbox"/> Demonstration	<input type="checkbox"/> Training <input type="checkbox"/> Coordination	<input type="checkbox"/> Support <input type="checkbox"/> Management
Project proposal (for coordinators)/Expertise offered (for partners)* (max 500 words): Collaboration in field of a complex analysis of the natural and agrotechnogenic evolution of soils within different regions of Europe and other territories. Studies are revealing on one methodological and methodical base. For natural evolution of soils is good to use the soil-archaeological method (a comparable genetic analysis of the natural modern soils with soils, buried under artificial earth deposits of archaeological monuments, had formed in different historical periods). For agrotechnogenic evolution of soils we may to use method of agrochronosequences (comparison of virgin soils with their arable analogues of different periods of plowing. The final result is a geographical comparison of the effects of natural and anthropogenic evolution of soils within different climatic regions of Europe and other territories.			



(!)Organization Name*		Voronezh State Technological Academy (VSTA)	
(!)Department/Unit*		Department Ecology and Chemical Technology	
(!)Contact person (name, position in organization, title (Mr/Mrs/Dr or other)*		Dr. Svetlana Zueva, PhD (Technology), Ecology and Chemical Technology	
E-Mail*		sveta@zz.vrn.ru	
Phone (country code – city code – number)*		+7 910 732 11 27	
Fax (country code – city code – number)		+7 4732	
Web-site			
Organisation type		<input type="checkbox"/> University <input type="checkbox"/> SME <input type="checkbox"/> Consultancy <input type="checkbox"/> Research Centre <input type="checkbox"/> Large Company <input type="checkbox"/> Public Administration	
(!)Organization Address*		394000, Voronezh, Revolution Avenue, 19	
Country*		Russia	
Russian Federal District		<input type="checkbox"/> Centre <input type="checkbox"/> South <input type="checkbox"/> Siberia <input type="checkbox"/> Far-East <input type="checkbox"/> Northwest <input type="checkbox"/> Ural <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Volga	
Competences in FP7 Theme “Environment (Including Climate Change)”		6.3.1.1 Water 6.3.1.3 Waste	
Spheres, which are not listed above, related to your competences and can be of common EU-Russia cooperation interest in Environment		Production of energy from renewable sources and minimization of environment pollution are crucial contemporary socio-economic problems. This research endeavors to bring about innovation in biogas technology. Research objects: manure, farm’s biological waste, deposit of sewage of the food industry, food industry organic waste	
Short description of the organization/department/research team* (max 12 lines):			
Research team:			
Prof. Alexander N. Ostricov, VSTA (Voronezh state technological academy), Russia			
Areas of interest are: Development of innovation technologies, improvement of technologies, methods and ways of automation and management of food and chemistry industries			
Doc. Svetlana B. Zueva, VSTA (Voronezh state technological academy), Russia			
Areas of interest are: Sewage Water Treatment, Biogas Technology, Environment Preservation and Clean-up Safety of Food Production Plants, Environmental Impact of Food Industry.			
Prof. Francesco Veglio, UNIVAQ (University l’Aquila), Italy			
Chemical engineering. Ecology and chemistry technology.			
Ruslan I. Grigoriev, (Student), VSTA, Russia			
Elena V. Nozdrina, (Student), VSTA, Russia			
Publications (other references) (max 10):			
<ul style="list-style-type: none"> ▪ Purification of waste water from food production plant [Текст] / S. Zueva // VII International Congress Valorization and Recycling of Industrial Waste. September 2009. L’Aquila. Italy ▪ “Ecological safety technology in waste water treatment” Article published on Meat Industry (Мясная индустрия) December, 2009 ▪ “Milk industry sewage water treatment” Article published on Ecology and Industry of Russia (Экология и промышленность России), Moscow, June 2009 ▪ “Handbook on Safety of Production of Food Industry”, Gavrilkov A., Zarzina S., Zueva S. 175 pages book, published by DeLi, Moscow, 2007 ▪ “Ecological Safety of Food Industry” , 272 pages book, Gavrilkov A., Zarzina S., Zueva S., published by Giord, St.Petersburg, 2005 ▪ “Aspects industry sewage water treatment” Article published on Water and Ecology Magazine (Вода и экология), Moscow, December 2007 ▪ “Utilisation of Waste Products of Aluminium Plants” Article published on Industrial Safety Magazine (Безопасность Жизнедеятельности), Moscow, April 2002 ▪ “Monitoring of Quality in Education Concerning Industrial Safety”, Article published on Industrial Safety Magazine (Безопасность Жизнедеятельности), Moscow, June 2002. ▪ “The Product Conversion of Galvanic Pickling Aluminiferous Alloys”, Paper published (poster) on occasion of the XLIV Zjazd Naukowy (International Conference on Ecological Issues) held in Katowice, October 2001. ▪ “The Study of Sorption Process of Curing Agents on the Alpha-AL2O3”, Paper presented to the First International Conference on Inorganic Materials held in Versailles, September 1998 			



Description of other previous and present experience in International Cooperation (max. 10 lines)

VORONEZH STATE TECHNOLOGICAL ACADEMY – UNIVERSITY OF L’AQUILA CO-OPERATION PROPOSED RESEARCH PROGRAMMES:

SEWAGE WATER TREATMENT BY USE OF INDUSTRIAL WASTE MATERIAL

The aim of the research is twofold:

- a. Systematic description and comparative study of the technical effectiveness and cost effectiveness of different mixtures of flocculants and aluminum oxide sorbents;
- b. Survey of current industrial processes which have recoverable aluminiferous alloys as a byproduct. Identify and classify methods of recovery.

Team

1. Doct. Svetlana B. Zueva, VSTA, Russia
2. Prof. Francesco Veglio, UNIVAQ, Italy
3. Doct. Barbara Bianco, UNIVAQ, Italy

Estimated Duration of Research

1 Year (September 2009 – September 2010)

Location

The Team main location shall be at L’Aquila



Organization Name*	South West State University (SWSU)		
Organization Address*	94, 50 let Oktyabrya, Kursk, 305040, Russia		
Department/Unit*	Chair of the Labour Safety and Environment		
Contact person (name, position in organization, title)*	Dr. Vladislav Protasov, the senior lecturer		
Phone*	+7-4712-58-71-19		
Fax	+7-4712-58-71-19		
E-Mail*	otios@mail.ru		
Web-site	http://www.kurskstu.ru/structura/up/ftd/otios/index.php		
Organisation type	<input checked="" type="checkbox"/> University <input checked="" type="checkbox"/> Research Centre	<input type="checkbox"/> SME <input type="checkbox"/> Large Company	<input type="checkbox"/> Consultancy <input type="checkbox"/> Public Administration

Is interested in participation in a project that will be prepared and submitted in the following topic:

Call identifier*	FP7-ENV-2011
Topic number*	ENV.2011.1.2.3-1: Integrating ecological and human risk evaluations for better risk governance ENV.2011.1.2.3-2: Positive effects of natural environment for human health and well-being
Call Deadline*	16 November 2010 at 17:00 (Brussels local time)

Short description of the organization* (max 12 lines):

The chair of the Labour safety and environment at SWSU exists already for more than 20 years. On chair 23 employees: 4 professors, 9 senior lecturers, 4 items of the teacher, 3 engineers, 3 educational masters. Scientific directions of the chair: «Development of basic elements of system of ecological management», " Development of highly effective systems of protection of the air environment", " Development of technological bases of processing and recycling of technogenic formations and a waste", " Development of technologies of clearing natural and sewage", " Development and approbation multy-agent systems for the organization of support of decision-making at an estimation of influence of adverse factors of environment on some indicators of health of the population». The chair cooperates with following international and national research centers: the International academy of Sciences of ecology and safety of the person and the nature;«MATI»- the Russian state aviation technological university of K.E. Tsiolkovskogo; Federal State Establishment «the All-Russia scientific research institute of protection and work economy»; Instituto de Invtstigaciones Informaticas, Albacete, Spain; concern" Rosenergoatom "Branch«Kursk nuclear station »; Department of ecological safety and wildlife management of Kursk area; Kursk branch of FSE «the Center of the laboratory analysis and technical measurements on Russian Central Federal District»; Management on technological and ecological supervision of Rostehnadzora on Kursk area.

Expertise offered*:

- Working out of settlement-analytical complexes and the devices allowing objectively and authentically to estimate ecological conditions in the conditions of chemical and biological infection of objects of environment in the conditions of technogenic failures and emergency situations.
- Working out of the GIS-APPENDICES providing information support of acceptance of administrative decisions in air protection area of activity by nature protection bodies and the large enterprises – environment pollutants. Developed GIS-APPENDICES can be applied at modeling of influence and distribution of pollution from dot and spatial sources on district, to creation of cards of key parameters of environment, for gathering and management of the data on protected natural territories.
- Development of basic elements of system of ecological management of the enterprises of the Kursk area including control over a state of environment, legislative base, planning of the nature protection activity, operating factors, economic tools.
- Development of highly effective systems of protection of the air environment. Intensification of work of gas-purifying equipment.
- Development of technological bases of processing and recycling of technogenic formations and a waste, the centralized neutralization of a liquid metallic waste of the enterprises.
- Development of technologies of clearing natural and sewage of the industry from iron, chrome, copper and other pollutants.
- Development and approbation multy-agent systems for the organization of support of decision-making at an estimation of influence of adverse factors of environment on some indicators of health of the population

Scientific keywords	✓	✓	✓	✓	✓
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Publications on the topic (other references):

1. Protasov V.V. Analiz of system of ecological management of the enterprises of Kursk area the Collection of scientific articles of the International scientifically-practical conference «History and prospects of social and economic development,



- state regulation and local government of the South of Russia and Ukraine» 21-22 мая 2010, 9с.
2. Tomakov V. I, Tomakov M.V. Monitoring and protection of underground waters against pollution by oil products in territory of the Kursk tank farm Health and safety 4 (112) 2010г. С.32-39
 3. Рыкунова I.O. optimization of information support of acceptance of administrative decisions in nature protection activity with use of elements of GIS-TECHNOLOGY Actual problems of ecology and a labor safety: the collection of articles of II International scientifically-practical conference, 2010. 4с
 4. Severenchuk P. N Aspects of application of nanotechnologies at an estimation of biological safety of objects of environment and the population Actual problems of ecology and a labor safety: the collection of articles of II International scientifically-practical conference, 2010. 4с
 5. Priests V.M. Protasov V.V. Organizatsija of management of preservation of the environment at regional level. Fourth Vseros. nauchn.-prakt. Conference «Social problems of regions and a way of their decisions: the collection of articles» Penza, 2008.
 6. Priests of Century M, Rykunova I.O. use of geoinformation technology in a control system of preservation of the environment of News of Kursk state technical university / Kursk. roc. техн. Un-t. - ³1[26] 2009.
 7. Merkulova E.V., V.M. Popov, Chepikov H.A, Rykunova I.O. estimation of pollution of the city environment with application of GIS-TECHNOLOGIES Izvestija OreIGTU Scientific magazine, №2|18 (543 2008, с/55 «Building and transport»
 8. Sokolova M., Fernandez-Caballero A. A Meta-Ontological Framework for Multi-agent Systems Design. Proceedings of International Conference on Sustainability in Energy and Buildings SEBr09, Brighton, Great Britain, 2009.
 9. Sokolova M., Fernandez-Caballero A. Agent-Based Decision Making through Intelligent Knowledge Discovery, Knowledge-Based Intelligent Information and Engineering Systems 12th International Conference, KES 2008, Zagreb, Croatia, September 3-5, 2008, Proceedings, Part III. Lecture Notes in Computer Science 5179 Springer 2008
 9. Sokolova M., Fernandez-Caballero A. Modeling and implementing an agent-based environmental health impact decision support system Expert Systems with Applications (2009), Volume 36 , Issue 2, Pages 2603-2614



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Organization Name*	Orel State University		
Department/Unit*	The Chair of Social Health		
Head of Department / Unit (Name, Title)*	Rector - Avdeev Pherdor Stepanovich		
Contact person (name, position in organization, title (Mr/Mrs/Dr or other)*	Olga Semernovna Saurina, Pro-rector of medical education		
E-Mail*	saurina051@mail.ru		
Phone (country code – city code – number)*	74862744644, 79192018879		
Fax (country code – city code – number)	74862777318		
Web-site			
Organisation type	<input checked="" type="checkbox"/> University <input type="checkbox"/> Research Centre	<input type="checkbox"/> SME <input type="checkbox"/> Large Company	<input type="checkbox"/> Consultancy <input type="checkbox"/> Public Administration
(!)Organization Address*	Russia, 302026, Orel, Komsomolskay Street, 95, Orel State University		
Country*	Russia		
Russian Federal District	<input checked="" type="checkbox"/> Centre <input type="checkbox"/> Far-East	<input type="checkbox"/> South <input type="checkbox"/> Northwest	<input type="checkbox"/> Siberia <input type="checkbox"/> Ural <input type="checkbox"/> Volga
Competences in FP7 Theme “Environment (Including Climate Change)”	6.1.2.1 Health impacts of climate change 6.1.2.2 Health effects of environmental stressors other than climate change 6.1.2.3 Methods and decision support tools for environmental health risk analysis and policy development		



Organization Name	Southern Federal University, Research Institute of Biology		
Department/Unit	Laboratory of industrial microorganisms		
Contact person (name, position in organization, title)	Dr. Marina Aleksandrovna Sazykina, head of laboratory, Ph.D.		
E-Mail	sazmari@gmail.com , submarinas@list.ru		
Phone	+7-918-512-7637; +7-908-510-4265		
Fax	+7(863)243-30-07		
Web-site	http://www.niib.sfedu.ru/index.php		
Organization Address	344090 Rostov-on-Don, Stachki ave, 194/1		
Organisation type	<input checked="" type="checkbox"/> University <input checked="" type="checkbox"/> Research Centre	<input type="checkbox"/> SME <input type="checkbox"/> Large Company	<input type="checkbox"/> Consultancy <input type="checkbox"/> Public Administration

Is interested in a project that will be prepared and submitted under the following topic:

Call identifier*	FP7-KBBE-2011-5-CP-CSA
Topic number*	KBBE.2011.3.4-01: BioWASTE – Novel biotechnological approaches for transforming industrial and/or municipal biowaste into bioproducts – SICA
Call Deadline*	25 January 2011 at 17:00:00 (Brussels local time)

Call identifier*	FP7-OCEAN-2011
Topic number*	OCEAN.2011-2: Marine microbial diversity – new insights into marine ecosystems functioning and its biotechnological potential
Topic number*	OCEAN.2011-3: Assessing and predicting the combined effects of natural and human-made pressures in the Mediterranean and the Black Sea in view of their better governance
Call Deadline*	18 January 2011 at 17:00:00 (Brussels local time)

<p>Project proposal (for coordinators)/Expertise offered (for partners)* (max 500 words): Studying the ROS role in the process of oil biodegradation and the possible usage of this phenomenon in bioremediation.</p> <p>Usage of destruction microorganisms is a promising way of rectification of the consequence of oil pollution. The aim of the project is researching the contribution of free-radical oxidation in the process of biological oil destruction by microorganisms and selection of informative methods to estimate the ability of microorganism strains to utilise oil components. To do it the following tasks have been set: 1. Definition of the most active hydrocarbon destructor microorganisms in the Azov and the Black seas. 2. Definition and comparison of strains of native hydrocarbon destructors. 3. Estimation of the role and the characteristic of free-radical oxidation mechanisms of oil hydrocarbons. The collection of biodestructor microorganisms, suitable for usage in biotechnologies of the polluted water areas and territories cleaning and in purification works of the oil and gas complex enterprises will be created. Usage of the modern theory describing processes of free-radical oxidation will allow creating techniques for hydrocarbons biodestruction efficiency monitoring in real-time mode.</p> <p>Project proposal (for coordinators)/Expertise offered (for partners)* (max 500 words): Anthropogenic pollution of natural ecosystems assessment with bacterial lux-biosensor controls</p> <p>The aim of the project is to study the toxicity of the Azov — Black sea basin ecosystem components by means of a series of bacterial bioluminescent sensor controls and to use the obtained data for estimation of separate components of ecosystems condition and for forecasting their bioproductivity in the conditions of anthropogenous loading. One of the main experimental problems of ecological toxicology is usage of bioluminescent technologies with application of new specific, high-sensitivity and fast physical, chemical and biological agents detection systems. Bacterial lux-biosensor controls created by the methods of gene engineering are used for studying the toxic influence of priority pollutants on live systems. Control elements (DNA fragments), created by bacteria during evolution and used by them for protection against undesirable influence of external factors are used for the production of lux-biosensor controls forming an alarm system, intended for monitoring of the DNA damage degree. Bacterial luciferases are used as carrier proteins for toxicants' fixation on a cell. The aims of ecosystems condition monitoring include testing of their components by means of lux-biosensor controls and using the obtained data for identification of pollution kind, forecasting ecosystems' bioproductivity in the conditions of environment anthropogenous pollution.</p> <p>Short description of the organization* (max 12 lines):</p>
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The Research Institute of Biology of SFedU is a part of the Southern Federal University. It was founded in 1936. It is the oldest research institute in the system of higher education in Russia. Today the main directions of work in the Research Institute of Biology are: genetics and biochemistry of oxidising stress, nerve tissues metabolism in extreme conditions, selective stability of biomembranes, molecular mechanisms of ageing, higher plants' extranuclear heredity, theoretical bases of mountain, plain and steppe ecosystems of the North Caucasus ecology. The Laboratory of Industrial Microorganisms is a recently formed structural division, the scientific interests of which include: oil degradation microorganisms biodiversity, the mechanisms of oil components biodegradation and the role of ROS in this process, environmental contamination with genotoxicants and heavy metals monitoring by means of bacterial lux-biosensor controls.

Keywords	✓ bioremediation	✓ free radicals	✓ lux-biosensors	✓ monitoring	✓ oil
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Publications on the topic (other references) (max 10):

6. Sazykina M.A., Chistyakov V.A., Sazykin I.S., Lagutova L.P., Novikova E.M., Latushev A.V. Usage of bacterial lux-biosensor for detection of natural waters pollution by mercury // *Water: Chemistry and Ecology*. - 2010. № 5. – pp. 24-29.
7. Tsybul'sky I.E., Sazykina M.A. New biosensors for monitoring of environment toxicity on the base of marine luminescent bacteria // *Appl. Biochem. Microbiol.* - 2010. - V. 46 - № 5. - pp. 1-6.
8. Tsybul'sky I.E., Korpakova I.G., Belova L.V., Sazykina M.A., Sazykin I.S., Afanasyev D.F., Kolenko M.A. Description of self-purification processes of the marine environment with help of oil-oxidizing mechanisms in the area of tanker crash in the Kerch Strait. *News of higher educational institutions. North Caucasian region. Natural sciences.* – 2010. № 1. – pp. 78-82.
9. Sazykin I.S., Chistyakov V.A., Sazykina M.A. // *Enzymatic and non-enzymatic mechanisms of oil HC degradation by microorganisms // Proceedings of Kuban State agrarian university.* - 2009. - V. 6. - pp.50-57.
10. Sazykin I.S., Sazykina M.A., Chistyakov V.A. Oil decomposition by microorganisms. Environmental aspects. // *News of higher educational institutions. North Caucasian region.* - 2009. - V. 6. № 21. - pp. 88-92.
11. Chistyakov V.A., Sazykina M.A., Sazykin I.S., Latyshev A.V. Development issues of methodology for monitoring of natural environment toxicity – necessity of synthesis // *Issues of regional ecology.* - 2009. - V. 5. - pp. 152-156.
12. Sazykina M.A., Chistyakov V.A. *Monitoring of water environment genotoxicity: the Azov – Don basin: Monograph / Sazykina M.A., Chistyakov V.A.- Rostov-on-Don: SFU Publishers, 2009. – 183 pp.*
13. Patent 2346035. Pussian Federation, MPK C12N1/20, C12R1/01. Strain of bacteria *Vibrio fischery*, used as a test specimen for defining the toxicity of environmental objects./ Sazykina M.A., Tsybul'sky I.E.; № 2007130940/13; claimed. 2007.08.13; published 2009.02.10, Bulletin № 4.- 7 pp.: table.4.
14. Patent 2358009 Pussian Federation, MPK C12N 1/20, C12Q 1/04. Method of luminescent bacteria isolation / Sazykina M.A., Tsybul'sky I.E., Abrosimova K.S.; № 2007114379/13; claimed. 16.04.2007; published 2009.06.10, Bulletin № 16.- 7 pp.: table.1.
15. Korpakova I.G., Afanasyev D.F., Tsybul'sky I.E., Vinogradov A.Y., Sazykina M.A., Cherednikov S.Y. On the issue of toxicity assessment of water environment components by biological testing methods // *Issues of fishery.* – 2008. – V.9. - № 4 (36). – pp.839-846.



Organization Name*		Tambov State University named after G.R. Derzhavin (TSU)			
Department/Unit*		Department of Biology			
Head of Department / Unit (Name, Title)*		Aleksy Mikhaylovich Puchnin, Professor			
Contact person (name, position in organization, title (Mr/Mrs/Dr or other)*		Dr. Georgiy Arcadyevich Lada, Associated Professor,			
E-Mail*		esculenta@mail.ru			
Phone (country code – city code – number)*		+7-4752-725617			
Fax (country code – city code – number)		+7-4752-710307			
Web-site					
Organisation type		<input type="checkbox"/> University			
(!)Organization Address*		392000 Tambov, ul. Internatsionalnaya, 33			
Country*		Russia			
Russian Federal District		<input type="checkbox"/> Centre			
Competences in FP7 Theme “Environment (Including Climate Change)”		6.2 Sustainable management of resources 6.2.1 Conservation and sustainable management of natural and man-made resources and biodiversity 6.2.1.4 Biodiversity			
Short description of the organization/department/research team* (max 12 lines):					
1. Variation and speciation of land ectotherm vertebrates of the Russian Plain. 2. Fauna of Central Chernozem (Black Soil) Region of Russia. 3. Flora of Central Chernozem (Black Soil) Region of Russia. Regional Red Data Book and Red Data List.					
Publications (other references) (max 10):					
Borkin L.G., Bezman-Moseiko O.S., Mazepa G.A., Zinenko A.I., Korshunov A.V., Lada G.A., Shabanov D.A., Litvinchuk S.N., Rosanov J.M. On the southern limit of range of hybrid <i>Rana esculenta</i> (Ranidae, Anura, Amphibia) in Ukraine and Moldova: DNA flow cytometry evidence // Pratsi Ukrainського herpetologichnogo tovaristva. Kyiv, 2008. № 1. P. 5-10 [In Russian].					
Borkin L.J., Korshunov A.V., Lada G.A., Litvinchuk S.N., Rosanov J.M., Shabanov D.A., Zinenko A.I. Mass occurrence of polyploid green frogs (<i>Rana esculenta</i> complex) in eastern Ukraine // Russian Journal of Herpetology. 2004. V. 11, № 3. P. 203-222.					
Borkin L.J., Lada G.A., Litvinchuk S.N., Melnikov D.A., Rosanov J.M. The first record of mass triploidy in hybridogenetic green frog <i>Rana esculenta</i> in Russia (Rostov oblast') // Russian Journal of Herpetology. 2006. V. 13, № 1. P. 77-82.					
Borkin L.J., Litvinchuk S.N., Rosanov J.M., Khalaturin M.D., Lada G.A., Borissovsky A.G., Faizulin A.I., Kotserzhinskaya I.M., Novitsky R.V., Ruchin A.V. New data on the distribution of two cryptic forms of the common spadefoot toad (<i>Pelobates fuscus</i>) in Eastern Europe // Russian Journal of Herpetology. 2003. V. 10. № 2. P. 111-118.					
Lada G.A. Polydactyly in anurans in the Tambov Region (Russia) // Russian Journal of Herpetology. 1999. V. 5. № 2. P. 104-106.					
Lada G.A. Geographic variation of the edible frog, <i>Rana esculenta</i> on the Russian Plain's territory // The Problems of Herpetology: Proceedings of the 3th Meeting of the Nikolsky Herpetological Society. Saint-Petersburg, 2008b. P. 234-241 [in Russian].					
Lada G.A. On amphibian parasite <i>Lucilia bufonivora</i> (Insecta, Diptera, Calliphoridae) in Tambov Region // Current studies in Herpetology. 2009b. V. 9. I. S. P. 62-64 [in Russian].					
Lada G.A., Borkin L.J., Litvinchuk S.N. Morphological variation in two cryptic forms of the common spadefoot toad (<i>Pelobates fuscus</i>) from Eastern Europe // Herpetologia Petropolitana. Proceedings of 12th Ord. Gen. Meeting Soc. Eur. Herpetol. Russian Journal of Herpetology. V. 12 (Suppl.). S.-Pb. – M., 2005. P. 53-56.					
Lada G.A., Borkin L.J., Vinogradov A.E. Distribution, population systems and reproductive behaviour of green frogs (hybridogenetic <i>Rana esculenta</i> complex) in the Central Chernozem Territory of Russia // Russian Journal of Herpetology. 1995. V. 2, № 1. P. 46-57.					
Lada G.A., Nedosekin V.Y. The first record of tessellated snake, <i>Natrix tessellata</i> Laurenti, 1768 in the Central Chernozem Territory of Russia and some other results of the herpetological research in the Upper Don // Russian Journal of Herpetology. 1997. V. 4. № 2. P. 192-194.					
Scientific keywords	Biodiversity	Amphibians	Reptiles	Speciation	Russian Plain
Participation in EU's Framework Programme projects				<input type="checkbox"/> NO	
Participation in other European programmes projects				<input type="checkbox"/> NO	
Participation in relevant Russian projects				<input type="checkbox"/> YES	
If yes:					

Project(s) description	Title	Biodiversity and geographic variation of land ectotherm vertebrates of the Russian Plain		
	Acronym			
	Duration	2005-2007		
	Web-site			
	Reference to the FP7 theme “Environment”	6.2.1.4 Biodiversity		
	Project brief description	<p>Purposes of project are: a) investigation of taxonomic diversity and geographic distribution of amphibians and reptiles of the Russian Plain; b) integrated analysis of geographic variation of morphological, cytogenetic and biochemical characters of some model species; c) research of non-orthodox (hybridogenetic and cryptic) speciation; d) valuation of anthropogenic influences on land ectotherm vertebrates. Field study was carried out in eleven administrative regions (Belgorod, Volgograd, Voronezh, Kursk, Lipetsk, Rostov, Ryazan, Samara and Tambov Provinces, Mordovian Republic and Moldova) of the Russian plain’s territory. Materials were examined by means of morphometric, molecular and genetic methods (DNA flow cytometry and allozym analysis). A special attention was paid to cryptic speciation in common spadefoot toad (<i>Pelobates fuscus</i>). In the course of investigation of hybridogenetic <i>Rana esculenta</i>-complex hybrid <i>R. esculenta</i> was found in the Rostov Province, the zone of distribution of polyploid <i>R. esculenta</i> in East Europe (along the Seversky Donets River) was studied. A special attention was paid to ecological differentiation of species in mixed population systems. New data on green frogs distribution and population system’s types were obtain. Work on elaborate description of biotopes of green frogs’ species was beginning. New data on distribution and interaction of two forms of common adder (<i>Vipera berus</i>), and other model species (<i>Bombina bombina</i>, <i>Bufo viridis</i>, <i>Rana arvalis</i>, <i>Lacerta agilis</i>, <i>Natrix natrix</i>) for integrated analysis of geographic variability were collected and subjected to processing. Data on morphology and ecology of tessellated snake (<i>Natrix tessellata</i>) in the extreme north of specific range (in the Lipetsk and Samara Provinces) are obtained and preliminary processing. Valuation of the level of human activities on the level of fluctuating asymmetry and morphological abnormalities in amphibians was carrying out.</p>		
Activities performed	<input type="checkbox"/>	Research and Technological Development		
	<i>Please specify:</i>			
Project(s) description	Title	Geographic variation and speciation of land ectotherm vertebrates of the Russian plain: ecological aspects		
	Acronym			
	Duration	2008-2010		
	Web-site			
	Reference to the FP7 theme “Environment”	6.2.1.4 Biodiversity		



	Project brief description	<p>Purposes of project are: a) investigation of taxonomic diversity and geographic distribution of amphibians and reptiles of the Russian Plain; b) integrated analysis of geographic variation of some model species with consideration of environment' specific features; c) research of non-orthodox (hybridogenetic and cryptic) speciation; d) valuation of anthropogenic influences on land ectotherm vertebrates. Field study was carried out in the nine administrative regions (Belgorod, Voronezh, Donetsk, Kursk, Lipetsk, Lugansk, Poltava, Tambov and Kharkiv Provinces) of the Russian plain's territory. Materials were examined by means of morphometric, molecular, genetic and ecological methods. In the course of continued investigation of hybridogenetic <i>Rana esculenta</i> complex new data on green frog's distribution, population system's types and ecology of each species were obtain. Study of ecological (biotopes, feeding and helminthes) differentiation of species in mixed population systems was continued. A special attention was paid to common spadefoot toad (<i>Pelobates fuscus</i>) in the contact zone of two cryptic genome forms in the Kursk Province. It made possible to extend geographically the study of ecological peculiarities of these forms. New data on distribution, morphology and ecology of European pond turtle (<i>Emys orbicularis</i>), tessellated snake (<i>Natrix tessellata</i>) and steppe-runner (<i>Eremias arguta</i>) in the north of specific ranges were obtained. New materials on other model species (<i>Lacerta agilis</i>, <i>Natrix natrix</i>, <i>Vipera berus</i>) for integrated analysis of geographic variability were collected and subjected to processing.</p>		
	Activities performed	<input type="checkbox"/> Research and Technological Development		
Project(s) description	Title	Unorthodox speciation (hybridization, non-mendelian heredity, polyploidy and reticular evolution): research on example of amphibians		
	Acronym			
	Duration	2009-2011		
	Web-site			
	Reference to the FP7 theme “Environment”	6.2.1.4 Biodiversity		
	Project brief description	<p>As a rule, speciation in animals occurs by geographic or ecologic isolation, following accumulation of genetic and morphological distinctions, and finally reproductive isolation. But another way of speciation is exist. It is so called unorthodox speciation. In this case new species as a rule arise by means of hybridization. Hybridogenetic (sometimes clone) forms and then bisexual polyploid species are arise. Such process is called reticular evolution. As alternative the beginning of polyploid species by spontaneous polyploidization is suggested. Recently we found mass occurrence of polyploidy specimens of hybridogenetic species <i>Rana esculenta</i> on the East Ukraine and adjacent Russia. We propose that new tetraploid species arise in this region. Hence unique possibility to study first stages of unorthodox speciation takes place. Another interesting object of our study is diploid-polyploid <i>Bufo viridis</i> complex. Hence, two species complexes characterized by hybridization, non-mendelian heredity and polyploidy, are in Russia and Ukraine.</p>		
	Activities performed	<input type="checkbox"/> Research and Technological Development		
<p>Description of other previous and present experience in International Cooperation (max. 10 lines)</p> <ol style="list-style-type: none"> 1. Study of <i>Rana esculenta</i> complex in Belarus Republic. 2. Study of <i>Rana esculenta</i> complex in Moldova. 				



Organization Name*		Southern Federal University		
Department/Unit*		Department of Ecology and Nature Management		
Contact person (name, position in organization, title (Mr/Mrs/Dr or other)*)		Prof. Sergey Ilyich Kolesnikov, Head of the Department of Ecology and Nature Management, Doctor of Agricultural Sciences, Professor		
E-Mail*		kolesnikov@sfedu.ru		
Phone (country code – city code – number)*		+7-918-555-09-04		
Fax (country code – city code – number)		(863)263-87-23		
Web-site		www.sfedu.ru		
Organisation type		<input checked="" type="checkbox"/> University	<input type="checkbox"/> SME	<input type="checkbox"/> Consultancy
		<input type="checkbox"/> Research Centre	<input type="checkbox"/> Large Company	<input type="checkbox"/> Public Administration
(!)Organization Address*		344006, Rostov-on-Don, Bolshaya Sadovaya st, 105/42		
Country*		Russia		
Russian Federal District		<input type="checkbox"/> Centre	<input checked="" type="checkbox"/> South	<input type="checkbox"/> Siberia
		<input type="checkbox"/> Far-East	<input type="checkbox"/> Northwest	<input type="checkbox"/> Ural
		<input type="checkbox"/> Volga		
Competences in FP7 Theme "Environment (Including Climate Change)"	6.1.1.2 Emissions and pressures: Natural and anthropogenic 6.2.1.3 Soil research and desertification 6.3.1.2 Soil 6.3.3.1 Risk assessment of chemicals and alternative strategies for testing 6.4.2.1 Tools for impact assessment			
Short description of the organization/department/research team* (max 12 lines):				
<ul style="list-style-type: none"> • Theoretical study of the problems of ecology, biology, conservation and rational use of soil. • Investigation of the influence of degradation processes (chemical contamination, physical contamination, salinity and alkalinity, secondary hydromorphism, water erosion and deflation, long-term agricultural use, etc.) on the ability of soils to perform their ecological and economic functions. • Improved of the methodologies and techniques for monitoring, diagnosis, indication, evaluation and prediction of soil and ecosystems. • Valuation of anthropogenic impacts on soils according to the degree of violation of their ecological and economic functions. • Monitoring of soils of the South of Russia, the definition of regularity of its change under different human impact factors and their impact on the ecological situation in the region. 				
Publications (other references) (max 10):				
Kolesnikov S.I., Kovalenko V.D., Kazeev K.Sh., Valkov V.F. The Effect of Contamination by Heavy Metal on the Amount of Mobil Form of Nitrogen and Phosphorus in Ordinary Chernozem // Agricultural Chemistry. 1999. № 1. V. 3. P. 48-53. Kolesnikov S.I., Kazeev K.Sh., Valkov V.F. The Effect of Heavy Metal Contamination on the Microbial System in Chernozem // Eurasian Soil Science. 1999. № 4. P. 459-465. Kolesnikov S.I., Kazeev K.Sh., Val'kov V.F. Effects of Heavy Metal Pollution on the Ecological and Biological Characteristics of Common Chernozem // Russian Journal of Ecology. 31 (3). 2000. P. 174-181. Kolesnikov S.I., Kazeev K.Sh., Valkov V.F. Ecological Functions of Soils and the Effect of Contamination with Heavy Metals // Eurasian Soil Science. 2002. № 12. P. 1335-1340. Kolesnikov S.I., Kazeev K.Sh., Tatosyan M.L. and Val'kov V.F. The Effect of Pollution with Oil and Oil Products on the Biological Status of Ordinary Chernozem // Eurasian Soil Science. 2006. Vol. 39. No. 5. P. 552-556. Kolesnikov S.I., Tatosyan M.L., and Aznaur'yan D.K. Change in Enzymatic Activity of Common Chernozem Polluted with Crude Oil and Its Products in Model Experiments // Russian Agricultural Science. Vol. 33. № 5. 2007. P. 318-320. Kolesnikov S.I., Popovich A.A., Kazeev K.Sh., Val'kov V.F. The Influence of Fluorine, Boron, Selenium, and Arsenic Pollution on the Biological Properties of Ordinary Chernozems // Eurasian Soil Science. 2008. Vol. 41. N 4. P. 400-404. Kolesnikov S.I., Evreinova A.V., Kazeev K.Sh., and Val'kov V.F. Changes in the Ecological and Biological Properties of Ordinary Chernozems Polluted by Heavy Metals of the Second Hazard Class (Mo, Co, Cr, and Ni) // Eurasian Soil Science. 2009. Vol. 42. No. 8. P. 936-942. Kolesnikov S.I., Kazeev K.Sh., Val'kov V.F., and Ponomareva S.V. Ranking of Chemical Elements According to Their Ecological Hazard for Soil // Russian Agricultural Sciences. 2010. Vol. 36. No. 1. PP. 32-34.				
Scientific keywords	<input checked="" type="checkbox"/> soil	<input checked="" type="checkbox"/> sustainability	<input checked="" type="checkbox"/> monitoring	<input checked="" type="checkbox"/> contamination
Participation in relevant Russian projects <i>(please include information about no more than 3 projects, the most relevant ones)</i>				
If yes:				



E-URAL “European Union and Russia link for S&T co-operation in the area of the Environment”

Project(s) description	Title	Stability of soils of south of Russia to chemical pollution		
	Acronym			
	Duration	2007-2009		
	Web-site			
	Reference to the FP7 theme “Environment”	6.3 Environmental technologies / 6.3.1 Environmental technologies for observation, simulation, prevention, mitigation, adaptation, remediation and restoration of the natural and man-made environment / 6.3.1.2 Soil		
	Project brief description	The regularities, mechanisms and effects of exposure to chemical contaminants in the range of soil properties and processes that determine the ecological and economic functions of soil and their resistance to chemical pollution. The principles of monitoring, diagnosis and indication of ecological state of soil and regulation of pollution on the basis of violations of the implementation of soil ecological functions.		
Activities performed	<input checked="" type="checkbox"/> Research and Technological Development <input type="checkbox"/> Demonstration	<input type="checkbox"/> Management <input type="checkbox"/> Coordination	<input type="checkbox"/> Training <input type="checkbox"/> Support	
	<i>Please specify:</i>			
Project(s) description	Title	<i>Development and testing of the technology of sustainability of assessment and prediction of soil under the chemical pollution</i>		
	Acronym			
	Duration	2009-2011		
	Web-site			
	Reference to the FP7 theme “Environment”	6.3 Environmental technologies / 6.3.1 Environmental technologies for observation, simulation, prevention, mitigation, adaptation, remediation and restoration of the natural and man-made environment / 6.3.1.2 Soil		
	Project brief description	Development and testing of technology sustainability assessment and prediction of soil to chemical pollution. The establishment of new patterns and mechanisms of the effects of different chemicals on ecological condition of soils and their ability to perform environmental and agricultural functions. Defining the limits of stability of soils to chemical pollution. Development and testing of new approaches and methods for assessing and predicting the state and functioning of soil, the valuation of chemicals in the soil.		
Activities performed	<input checked="" type="checkbox"/> Research and Technological Development <input type="checkbox"/> Demonstration	<input type="checkbox"/> Management <input type="checkbox"/> Coordination	<input type="checkbox"/> Training <input type="checkbox"/> Support	
	<i>Please specify:</i>			
Project(s) description	Title	<i>The stability of the ecological functions of soils to anthropogenic influences</i>		
	Acronym			
	Duration	2010-2011		
	Web-site			
	Reference to the FP7 theme “Environment”	6.3 Environmental technologies / 6.3.1 Environmental technologies for observation, simulation, prevention, mitigation, adaptation, remediation and restoration of the natural and man-made environment / 6.3.1.2 Soil		
	Project brief description	Study of the stability of ecological functions of soils to the effects of various anthropogenic influences, such as chemical contamination (heavy metals, petroleum and petroleum products, pesticides), electromagnetic effect (ionizing and nonionizing radiation, magnetic field), hydromorphism, salinity and alkalinity, dehumidification, water erosion and deflation , prolonged use of land for agricultural purposes, etc.		
Activities performed	<input checked="" type="checkbox"/> Research and Technological Development <input type="checkbox"/> Demonstration	<input type="checkbox"/> Management <input type="checkbox"/> Coordination	<input type="checkbox"/> Training <input type="checkbox"/> Support	
	<i>Please specify:</i>			



Organization Name*	Institute of Plant and Animal Ecology of the Russian Academy of Sciences, Ural Division		
Department/Unit*	Department of functional ecology of terrestrial animals		
Contact person (name, position in organization, title)*	Dr. Vladimir Vershinin, head of the department		
E-Mail*	wow@ipae.uran.ru		
Phone*	+7 343 2608255		
Fax	+7 343 2606500		
Web-site	www.ipae.uran.ru		
Organization Address*	8 Marta str. 202, Ekaterinburg, 620144		
Organisation type	<input type="checkbox"/> University <input checked="" type="checkbox"/> Research Centre	<input type="checkbox"/> SME <input type="checkbox"/> Large Company	<input type="checkbox"/> Consultancy <input type="checkbox"/> Public Administration

Is interested in a project that will be prepared and submitted under the following topic:

Call identifier*	FP7-ENV-2011
Topic number*	ENV.2011.2.1.5-2 Furthering Strategic Urban Research
Call Deadline*	16 November 2010 at 17:00 (Brussels local time)

Role in the project*	<input type="checkbox"/> Coordinator <input type="checkbox"/> Partner
Type of suggested activities*	<input type="checkbox"/> RTD <input type="checkbox"/> Demonstration <input type="checkbox"/> Training <input type="checkbox"/> Coordination <input type="checkbox"/> Support <input type="checkbox"/> Management

Project proposal (for coordinators)/Expertise offered (for partners)* (max 500 words):
 The aim of the research - the study of mechanisms for the sustainable functioning and reproduction of populations and species communities in different taxonomic groups of terrestrial animals (invertebrates, amphibians, reptiles, small mammals) in the context of urbanization and other types of anthropogenic transformation. The comparative analysis of adaptive mechanisms in different taxons will determine specifics and the most common patterns adaptation under effect of anthropogenic destabilization of the environment. Comprehensive multi-level approach, combining traditional population parameters with hematological, cytological, and ecophysiological data will determine the main directions in the adaptive strategies of animal's communities playing significant role in urban ecosystems. Expected to develop a conceptual model of sustaining communities of terrestrial animals in urban and industrial landscapes. Results of the proposal will have theoretical value for understanding of the adaptation processes in urban communities and can be useful for developing of ecosystem service, environmental monitoring, bioindication, conservation of endangered species.

Short description of the organization* (max 12 lines):
 The Institute was established in 1944. The scope of the activities of IPAE RAN includes theoretical, basic and applied research in the fields of ichthyology, terrestrial ecology, historical ecology and climate reconstruction, radioecology, zoology, botany, ecological expertise and nature conservation.
Topics are: research on organization and long-term dynamics of the terrestrial plant and animal communities, nature conservation, zoological and botanical database, vegetation mapping, vegetation pattern analysis, long-term research and monitoring of natural and man transformed ecosystems, detection and analysis of biodiversity, dendrochronology and paleontology, cytogenetic investigations, experimental research in the field of ecophysiology. The Institute one of the main participants of National Biodiversity Monitoring Programm. The Institute is one of the biggest scientific organizations in the field of biology in the Urals region. It has a wide experience in international research cooperation and coordination. In IPAE is situated editorial board of Russian Journal of Ecology – leading ecological magazine in Russia.

Keywords	<input checked="" type="checkbox"/> Biodiversity	<input checked="" type="checkbox"/> Global change	<input checked="" type="checkbox"/> Environmental economics	<input checked="" type="checkbox"/> Research communication	<input checked="" type="checkbox"/>
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Publications on the topic (other references) (max 10):
 Vershinin V.L. Features of amphibian populations of an industrial city // Urban ecological studies in Central and Eastern Europe. Warszawa, 1990. P.112-121.
 Vershinin V.L. Status of Amphibian Populations in Antropogenic Landscapes of the Ural, Siberia and the Far East // Amphibian Populations in the Commonwealth of independent States: Current Status and Declines. Ed.:S.L.Kuzmin, C.K.Dodd, Jr., & M.M.Pikulik. -Moscow: Pensoft, 1995. -P.88-90.
 Vershinin V.L. Types of Morphological Anomalies of Amphibians in Urban Regions// Amphibian Populations in the Commonwealth of independent States: Current Status and Declines. Ed.: S.L.Kuzmin, C.K.Dodd, Jr., & M.M.Pikulik.



<p>Moscow: Pensoft, 1995. P.91-98.</p> <p>Vershinin V.L. Ecological specificity and microevolution in amphibian populations in urbanized areas// Ecological specificity of amphibian populations. Advances in amphibian research in the former Soviet Union. Volume 7. Pensoft Publishers. -Moscow-Sophia, 2002. –P.1-161.</p> <p>Vershinin V.L. Significance of recessive and dominant mutations in adaptive processes of the genus <i>Rana</i> in the modern biosphere // M. Vences, J. K�hler, T. Ziegler, W. B�hme (eds): Herpetologia Bonnensis II. Proceedings of the 13th Congress of the Societas Europaea Herpetologica. 2006. P. 197-200.</p> <p>Vershinin V.L. Frequency of Iris Depigmentation in Urban Populations of <i>Rana arvalis</i> Frogs // Russian Journal of Ecology. –2004. -V.35, №1. P.58-62.</p> <p>Vershinin V.L. The Striated Morph and Its Role in the Ways of Adaptation of the Genus <i>Rana</i> in the Modern Biosphere // Doklady Biological Sciences. 2004. -V.396, №2. (ISSN: 0012-4966) P.212-215.</p> <p>Vershinin V.L. Hematopoiesis of Anurans: Specific Features of Species Adaptogenesis in Recent Ecosystems // Entomological Review. Vol. 84, Suppl. 1, 2004. P.113–119.</p> <p>Vershinin V.L. Role of Recessive and Dominant mutations in Adaptation the Genus <i>Rana</i> to Recent Biosphere // Russian Journal of Genetics, 2006, Vol. 42, №7. P.744–747.</p> <p>Vershinin V. L., Gileva E. A., and Glotov N. V. Fluctuating Asymmetry of Measurable Parameters in <i>Rana arvalis</i>: Methodology // Russian Journal of Ecology. 2007. V.38. №1. P. 72-74.</p>	
<p>Description of previous and present experience in International Cooperation (max. 10 lines)</p>	
<p>Previous participation in EU's Framework Programme projects</p>	<p><input checked="" type="checkbox"/> YES <input type="checkbox"/> NO</p>
<p>If yes:</p>	
<p>Project 1 Title / Acronym (Activities performed)</p>	<p>Developing the EU Biodiversity Research Strategy/ BIOSTRAT (contract # 036847)/ October 2006 – October 2010/ www.biostrat.orc/ Demonstration, review, scientific policy development</p>



Organization Name*	Institute of plant and animal ecology of the Ural Branch of the Russian Academy of Sciences (IPAE UB RAS)		
Organization Address*	620144 Russia, Yekaterinburg, ul. 8 Marta, 202/3		
Department/Unit*	Joint (IPAE UB RAS & Ural State Forest Engineering University) GIS-technology Research Laboratory for Forest Sciences and Ecology		
Contact person (name, position in organization, title)*	Dr. Valery Fomin, co-head of Joint (IPAE UB RAS & Ural State Forest Engineering University) GIS-technology Research Laboratory for Forest Sciences and Ecology		
Phone*	+7 901 201-07-40		
Fax	+7 (343) 210-38-53		
E-Mail*	fomval@gmail.com		
Web-site	IPAE UB RAS: http://ipae.uran.ru/ GIS-Tech Laboratory: http://servicetechno.com/gis/index_r.htm Publications: http://intas.servicetechno.com/other_publications.htm		
Organisation type	<input checked="" type="checkbox"/> University <input checked="" type="checkbox"/> Research Centre	<input type="checkbox"/> SME <input type="checkbox"/> Large Company	<input type="checkbox"/> Consultancy <input type="checkbox"/> Public Administration

Is interested in participation in a project that will be prepared and submitted in the following topic:

Call identifier*	FP7-ENV-2011
Topic number*	ENV.2011.1.1.2-1 The impact of atmospheric pollution on European land ecosystems and soil in a changing climate. ENV.2011.2.1.4-1 Potential of biodiversity and ecosystems for the mitigation of climate change. ENV.2011.2.1.4-2 Behaviour of ecosystems, thresholds and tipping points.
Call Deadline*	16 November 2010 at 17:00 (Brussels local time)

Short description of the organization* (max 12 lines):

Institute of Plant and Animal Ecology, Ural Branch of RAS (before 1964 - Institute of Biology, Ural Branch of the Academy of Sciences of the USSR) was established in June 18, 1944. Today the Institute is the largest research institute of biological profile in the Urals region, one of the leaders of the fundamental works in the field of ecology and environmental protection in the Russian Federation.

The general direction of scientific research is to study of patterns of organization, functioning, dynamics, evolution and sustainability of living systems at the level of populations, communities and ecosystems.

Joint Research Laboratory of GIS-technologies in the field of forest sciences and ecology was established in 2002, the Ural State Forestry University (Order № 1A on January 8, 2002) and the Institute of Plant and Animal Ecology, Ural Branch of RAS (Order № 12 dated February 12, 2002) to research and resolve practical problems in forest sciences and ecology using GIS-technologies and improvement training of foresters.

Expertise offered*:

The influence of industrial air pollution and global climate change on forest ecosystems; processing and analyzing of spatial data, including remote sensing data; spatial analysis and raster modeling in geographic information systems; mathematical and statistical modeling; development of algorithms of image analysis; automated analysis of images on macro and micro levels; database development; development of Internet-aware information systems

Scientific keywords	<input checked="" type="checkbox"/> dendroecology	<input checked="" type="checkbox"/> climate and air pollution	<input checked="" type="checkbox"/> GIS-technologies and modeling	<input checked="" type="checkbox"/> automated image analysis	<input checked="" type="checkbox"/> Internet-aware applications
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Publications on the topic (other references):

Last publication:

Shlaumova Yu. V., Fomin V. V., Kapralov D. S. Spatio-temporal dynamics of the climate in the Urals in the second half of the XXth century // Meteorology and hydrology. 2010. No. 2. P. 44-45.

Fomin V. V. Climate driven shift and anthropogenic spatio-temporal dynamics of tree vegetation in the second half of the XXth century / monograph Yekaterinburg: Ural Branch of the Russian Academy of Sciences. 2009. 150 p.

Fomin V. V., Kapralov D. S., Popov. A. S., Kriuk V. I. Automated tree state assessment with the use of image analysis system. Lesnoi zhurnal. 2008. No. 1. P. 24-29.

Fomin V. V. Development and use of quantitative methods and models of climate driving and anthropogenic dynamics of tree vegetation in extreme environment // monograph Yekaterinburg: USFEU, 2008. 182 p.

Fomin V.V., Popov A.S., Nizametdinov N.F., Shlaumova Yu.V., Mikhailovich A.P. Metrological aspects of image analysis // Measurement Techniques. 2008. Vol. 51. No. 2. P. 146-151.

Shiyatov S.G., Terent'ev M.M., Fomin V.V., Zimmermann N.E. Altitudinal and horizontal shifts of the upper boundaries of open and closed forests in the Polar Urals in the 20th century // Russian Journal of Ecology. 2007. Vol. 38. No. 4. P. 223-



227.
Fomin V.V., Kapralov D. S., Terent'ev M.M., Barova A. A., Ustinov A. V., Zimmermann N.E. Spatio-temporal dynamics of upper tree line in the Southern Urals in the second half of XXth century // Geoinformatika. No. 1. P. 56-61.
Kapralov D.S., Fomin V.V., Shiyatov S.G., Moiseev P.A. Changes in the composition, structure, and altitudinal distribution of low forests at the upper limit of their growth in the Northern Ural Mountains // Russian Journal of Ecology. 2006. Vol. 37. No. 6. P. 367-372.
Shiyatov S.G., Terent'ev M.M., Fomin V.V. Spatiotemporal dynamics of forest-tundra communities in the Polar Urals // Russian Journal of Ecology. 2005. Vol. 36. No. 2. P. 69-75.
Fomin V.V., Shavnin S.A. Effect of mountain relief and industrial air pollution on biometric characteristics of pine stands // Russian Journal of Ecology. 2002. Vol. 33. No. 3. P. 156-160.
Fomin V.V., Shavnin S.A., Marina N.V., Novoselova G.N. A nonspecific response of the photosynthetic apparatus of pine needles to industrial air pollution and shading // Russian Journal of Plant Physiology. 2001. Vol. 48. No. 5. P. 657-661.
Fomin V.V., Shavnin S.A. Ecological zoning of forests in areas exposed to industrial air pollution // Russian Journal of Ecology. 2001. Vol. 32. No. 2. P. 89-93.

Detailed list of publications:
http://intas.servicetechno.com/other_publications.htm

Description of previous and present experience in International Cooperation (max. 10 lines)
Project participants took part in two international projects funded by the INTAS Foundation (projects: No. 93-1645 and No.01-0052). During the first project it was studied the effect of industrial air pollutions of copper smelting plant on forest ecosystems in the Middle Urals (Russia).
The second project was carried out extensive studies of the effect of climate change on mountain-tundra communities in the Polar, Northern and Southern Urals (Russia). As a result of this research, the regularity of spatial-temporal dynamics of forest vegetation in three Ural regions in the second half of XX century was studied.
During these projects huge sets of forest plant parameters, climate data and environmental pollution characteristics were collected, processed and analyzed.

Previous participation in the EU Framework Programme projects	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
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Organization Name*	Institute of Geophysics of the Ural Branch of the Russian Academy of Sciences		
Department/Unit*	Nuclear geophysics laboratory		
Contact person (name, position in organization, title)*	Sc.D. Vladimir Iv. Outkin, correspondent member of the Russian Academy of Sciences, RAS advisor, Chief Scientist		
E-Mail*	voutkin@mail.ru		
Phone*	+7-922-2024978		
Fax	+7(343)267-88-72		
Web-site	www.igeoph.net		
Organization Address*	Russian Federation, 620016 Yekaterinburg, Amundsen's street, 100		
Organisation type	<input type="checkbox"/> University <input checked="" type="checkbox"/> Research Centre	<input type="checkbox"/> SME <input type="checkbox"/> Large Company	<input type="checkbox"/> Consultancy <input type="checkbox"/> Public Administration

Is interested in a project that will be prepared and submitted under the following topic:

Call identifier*	FP7-ENV-2011		
Topic number*	ENV.2011.1.3.1-1 Towards real-time earthquake risk reduction		
Call Deadline*	16 November 2010 at 17:00 (Brussels local time)		
Role in the project*	<input type="checkbox"/> Coordinator <input checked="" type="checkbox"/> Partner		
Type of suggested activities*	<input checked="" type="checkbox"/> RTD <input type="checkbox"/> Demonstration	<input type="checkbox"/> Training <input type="checkbox"/> Coordination	<input type="checkbox"/> Support <input type="checkbox"/> Management

Project proposal (for coordinators)/Expertise offered (for partners)* (max 500 words):

Geodynamic monitoring. To solve the problems of short-and medium-term forecast of tectonic earthquakes, it is proposed the technique, conventionally called the geodynamic monitoring, which does not use the data of seismic monitoring for the operational decision of the forecast objectives. Geodynamic monitoring is realized by monitoring of the radon gas volume activity change dynamics in selected blocks. It is known, soil radon volume activity depends on the stress state of block of rock. Geodynamic monitoring is carried out by placing of specially designed radon monitors devices within the selected array of rocks

The benefits of the geodynamic monitoring as compared with seismic one are:

a) the possibility of a reliable short-term prediction of seismic events (earthquakes), b) increasing of the signal to noise ratio, c) the possibility of making quick decisions in real danger of earthquakes, and d) the ability to control the stress-deformed block rock state. The rate of processes that determine the change in the stress-strain state of rocks in the preparation of the earthquake is relatively low, which allows monitoring of process signals in real time.

Basic principles of the geodynamic monitoring the following:

1. All recorded earthquakes are independent of each other.
2. External power functions (mechanical, electromagnetic, etc.) that affect the preparation and the occurrence of tectonic earthquakes are divided into two classes: a) "predictive" function - the processes are functionally related to the expected seismic events (eg, stress the crust), b) «trigger functions», functionally contributed to "dumping" the stress, leading to earthquakes.
3. Power of "trigger" functions can affect the energy intensity of the earthquake. Some "trigger" functions have global significance, for example, a sharp change in speed of rotation of the Earth causes "swarm" of tectonic earthquakes around the globe.
4. The strain state of controlled block of rock is determined by the monitoring of radon, and then on the atmospheric fronts movement (causing change in the rate of rotation Earth) and "predictive" radon volume activity change is run a short-term forecast of seismic Events for this block of the crust.

Short description of the organization* (max 12 lines):

Institute of Geophysics of the Russian Academy of Sciences was founded in 1958 as Geophysical Institute of the exploration profile. Currently, it is a broad profile SRI, dealing with the problems of Geophysics and Geo-ecology, including the study of geodynamic phenomena in the Earth's crust.

Keywords	forecast	earthquake	monitoring
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Publications on the topic (other references) (max 10):

1. V.I. Outkin, A.K. Yurkov, I.I. Kosyakin, Al Shishkanov, E. Mamyrov, M.V. Kang, S. Krivosheyev first results of space-time monitoring of radon in the study of the preparation tectonic events in the Northern Tien-Shan / Ural Geophysical Journal № 7, 2005, Institute of Geophysics, Ekaterinburg
2. V.I. Outkin, A.K. Yurkov. Radon indicator of geodynamic processes / Ural Geophysical Journal № 4, 2007, Institute of Geophysics, Ekaterinburg.
3. V.I. Outkin, A.K. Yurkov Strain of bending and friction - the main processes in the preparation of a tectonic earthquake. Geophysical Journal of the Urals. № 1. 2010. S.67 - 72.
4. V.I. Outkin, A.K. Yurkov, V.N. Bokov, V.A. Korneev model of tectonic earthquake preparation processes and the



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- role of solar-terrestrial relations. Geophys. Institute of NNC of Kazakhstan. Borovoy. 2010.
5. V.I. Outkin, A. K.Yurkov Behavior of radon in the preparation of geodynamic events of 2010. Geophys. magazine. № 2.
6. A.K. Yurkov, D.Y. Demezhko, V.I. Outkin, "Temperature monitoring of wells as a further development hydrogeodynamic method of forecasting the geodynamic state of the Earth's crust" 8 International Workshop "Physical principles of prediction of rock failure," St. Petersburg, 2010.S95-96.
7. V.I. Outkin, A.K. Yurkov "The problem of short-term prediction of a tectonic earthquake", 7 Kazakhstan-China International Symposium on earthquake prediction, evaluation of seismic hazard and risk of central Asia, Alma-Ata, 2010.
8. A.K. Yurkov, V.I. Outkin, D.Y. Demezhko "Future tectonic earthquakes - reality or myth." Ural Mining and Geological decade, Ekaterinburg, 2010.

Description of previous and present experience in International Cooperation (max. 10 lines)

The ISTC project. KP-187.2. "Development of methodical recommendations of radon monitoring as a helpful earthquake precursor of the Northern Tien-Shan (Kyrgyz Republic), 2001-2004 For two years in monitoring mode are 8 radon stations on the northern spur of the Kyrgyz Range and along the northern shore of Lake Issyk-Kul. The stations were over 50-70 miles. During observations in the coverage of the stations there are 3 earthquakes with a magnitude 5-5,5. All of these are reflected in the variation curves of radon volume activity.

Previous participation in EU's Framework Programme projects

YES

NO



Organization Name*	Center for sociological researches "MICAR" (profile №1)		
Contact person (name, position in organization, title)*	Dr. Irina Krutiy, Head of the Center, Associate Professor, PhD in sociology		
E-Mail*	irinakrutiy@gmail.com		
Phone*	8-916-605-31-06		
Web-site	www.micar.su		
Organization Address*	140180, Russian Federation, Gykovskiy, 20 Dugina str., office 173		
Organisation type	<input type="checkbox"/> University <input checked="" type="checkbox"/> Research Centre	<input type="checkbox"/> SME <input type="checkbox"/> Large Company	<input type="checkbox"/> Consultancy <input type="checkbox"/> Public Administration
Competences in FP7 Theme "Environment (Including Climate Change)"	6.1.1.5 Climate change natural and socio-economic impacts 6.1.1.6 Response strategies: adaptation, mitigation and policies 6.1.2.3 Methods and decision support tools for environmental health risk analysis and policy development 6.1.3.2 Vulnerability assessment and societal impacts 6.1.3.3 Risk assessment and management 6.2.1.5 Urban development 6.3.2.2 Networking, knowledge transfer and optimisation of results in cultural heritage 6.4.2.3 Interplay between social, economic and ecological systems		

Is interested in a project that will be prepared and submitted under the following topics:

Call identifier*	FP7-ENV-2011		
Topic(s) number*	ENV.2011.1.1.6-2 Mitigation policies and measures in the world's major economies compatible with the objective of limiting global surface temperature increase below 2eC.		
Call Deadline*	16 November 2010 at 17:00 (Brussels local time)		
Role in the project*	<input type="checkbox"/> Coordinator * Partner		
Type of suggested activities*	<input checked="" type="checkbox"/> RTD <input type="checkbox"/> Demonstration	<input type="checkbox"/> Training <input type="checkbox"/> Coordination	<input type="checkbox"/> Support <input type="checkbox"/> Management
Project proposal (for coordinators)/Expertise offered (for partners)* (max 500 words):			
1. Societal changes as a result of climate change. Potentiality for emerging rumors threaten the society and the ways to overcome this challenge. New migration flows tendencies. Adapting existing social institutes to the new stage of society development – eco-social structures. 2. Political strategies development: networking strategies to consolidate society's and authority efforts to climate change consequences' overcoming. Governance and political feasibility in climate policy: cross-cultural perspectives. Expertise offered: theoretical research, data analysis, modeling, forecasting and strategies' development.			

Call identifier*	FP7-ENV-2011		
Topic(s) number*	ENV.2011.1.3.4-1 Capacity building in natural hazards risks reduction		
Call Deadline*	16 November 2010 at 17:00 (Brussels local time)		
Role in the project*	<input type="checkbox"/> Coordinator * Partner		
Type of suggested activities*	<input type="checkbox"/> RTD <input type="checkbox"/> Demonstration	<input type="checkbox"/> Training <input type="checkbox"/> Coordination	<input type="checkbox"/> Support <input type="checkbox"/> Management
Project proposal (for coordinators)/Expertise offered (for partners)* (max 500 words):			
Developing of transnational knowledge transfer networks between EU and Non-EU countries in overcoming and forecasting disaster risks for their reduction and making base for potential decision-making transnational structures which can be effectively used in case of emergency. The main attention is put not only to judicial obstacles but mainly to social and cultural differences that could be serious obstacles for developing these transnational knowledge transfer networks. Expertise offered: networking activities, especially in the sphere of communication between different fields of sciences (SSH, Ecology, etc) in order to provide emerging of a knowledge transfer scientific networks development. Evaluation methodic of effectiveness of knowledge transfer networks.			

Call identifier*	FP7-ENV-2011		
Topic(s) number*	ENV.2011.2.1.5-1 Sustainable and Resilient Green Cities		
Call Deadline*	16 November 2010 at 17:00 (Brussels local time)		
Role in the project*	<input type="checkbox"/> Coordinator		



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	* Partner		
Type of suggested activities*	<input type="checkbox"/> RTD <input type="checkbox"/> Demonstration	<input type="checkbox"/> Training <input type="checkbox"/> Coordination	<input type="checkbox"/> Support <input type="checkbox"/> Management
Project proposal (for coordinators)/Expertise offered (for partners)* (max 500 words): Eco-city model in a cross-cultural perspective. Comparative research of different models of urban development in constructing eco-city: challenges and opportunities. Cooperative strategies and mutual development. Urban-rural communications in EU and Non-EU countries. Eco-city planning and development strategies. Expertise offered: public survey and expert survey on eco-city development, survey data analysis, modeling of social changes and individual behavior changes emerging as a result of eco-city development, forecasting societal challenges for eco-city development, cross-cultural differences in eco-city planning and development strategy			

Description of previous and present experience in International Cooperation (max. 10 lines). Deliberative Democracy Exchange/Workshop, Kettering Foundation's annual multinational research exchange & workshop (DDEx & DDW), Dayton, OH, USA, 2009 - International Scientific School “Perspectives of Migration Policy in the European Union and Russia: development strategies, differences and possibilities for cooperation” (IMISCOE - European Commission Migration Net, CEU - RSSU), Moscow, Russia. “NCP-Traning Workshop” “National Contact Point for European FramewprkProgramme 7” Vienna 2010 Kettering foundation “Deliberative democracy workshop”, “Public policy workshop”. USA, 2006, 2007 VI RISA Convention, Moscow, 2010			
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Organization Name*	Center for sociological researches “MICAR” (profile №2)		
Contact person (name, position in organization, title)*	Dr. Irina Krutiy, Head of the Center, Associate Professor, PhD in sociology		
E-Mail*	irinakrutiy@gmail.com		
Phone*	8-916-605-31-06		
Fax	no		
Web-site	www.micar.su		
Organization Address*	140180, Russian Federation, Gykovskiy, 20 Dugina str., office 173		
Organisation type	<input type="checkbox"/> University <input checked="" type="checkbox"/> Research Centre	<input type="checkbox"/> SME <input type="checkbox"/> Large Company	<input type="checkbox"/> Consultancy <input type="checkbox"/> Public Administration

Is interested in a project that will be prepared and submitted under the following topic:

Call identifier*	FP7-ENV-2011				
Topic number*	ENV.2011.1.3.2-1 Building societal resilience to disasters in Europe				
Call Deadline*	16.11.2010 17:00 (Brussels local time)				
Role in the project*	<input type="checkbox"/> Coordinator <input checked="" type="checkbox"/> Partner				
Type of suggested activities*	<input checked="" type="checkbox"/> RTD <input checked="" type="checkbox"/> Demonstration	<input type="checkbox"/> Training <input type="checkbox"/> Coordination	<input type="checkbox"/> Support <input type="checkbox"/> Management		
Project proposal (for coordinators)/Expertise offered (for partners)* (max 500 words): Modeling of social resilience to disasters taking into account state, socio - cultural and socio-psychological characteristics. Building scenarios of human behavior changes, working out methods for improving social risks management and recovery.					
For coordinators: please describe the partner(s) you look for. European universities or research organizations.					
Short description of the organization* (max 12 lines): MICAR was established as a research center in 2008. Actual problems and phenomena, which currently are in scope MICAR's research interests are the following: Social modeling Transnational interaction and transnational networks Innovative development of modern society Human and social capital Modern migration flows Soft power in modern world policy Internet – space					
Keywords	✓ Social modeling	✓ Social policy	✓ Mechanisms oh innovative development	✓ Analytical work and interpretation	✓ Working out strategies and recomendations
Publications on the topic (other references) (max 10): Krasina Olga, Krutiy Irina, Zangieva Irina (co-authors) “Development of transnational networks in the context of modern					



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societies communications: Russian – Japan” - Moscow: MUH Publishing house, 2009;
 “Public diplomacy in the process of constructing national image in world affairs: perspectives for Russia”, published on CD, prepared for 17-th World Sociological Congress, Sweden, Goteborg, July, 2010, N. Chusova, I. Krutiy, M. Guah (Erasmus University Rotterdam) “Migration Processes in Russia and Europe: Problems and Positive Experience” – European Society or European Societies: a View from Russia, Moscow-Lisbon, 2009

Description of previous and present experience in International Cooperation (max. 10 lines).
 Our research center is cooperating and looking for further cooperation with Russian and foreign organizations, European researches, conducting joint cross- disciplinary researches, participation in European and international grant programs (for example competition “Cooperation” of 7th Frame program of EU, Obuchi Fund, Japan). Two our researches also work in Russian FP7 Contact Point «SSH». There for we have wide experience in proposal writing for FP7.

Previous participation in EU's Framework Programme projects	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
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If yes:

Project 1 Title / Acronym (Activities performed)	SSH.2010.4.1.1 Europe facing a rising multi-polar world MERITS Modelling Europe's Role in Transition toward Sustainable Global Governance Geometry
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Project 2 Title / Acronym (Activities performed)	SSH.2010.2.2-1 (EU regions and their interaction with the neighbourhood regions) HOLA-NEIGHBOUR Project full title: Socio-economic context, competitiveness and innovation in EU regions and their interaction with the PECOs± regions.
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Organization Name*	Saint-Petersburg State University		
Department/Unit*	Department of Geography and Geoecology, Chair of Oceanography, Regional Oceanography Laboratory		
Head of Department / Unit	Kaledin Nikolay Vladimirovich		
Contact person (name, position in organization, title)*	Prof. Victor Robertovich Foux, professor of the Chair of Oceanography, doctor of Geography, head of the Laboratory of Regional Oceanography		
E-Mail*	victorf1285@yandex.ru		
Phone*	+7-(812)-3289709		
Fax	+7-(812)-3289709		
Web-site	http://www.spbu.ru http://www.geo.pu.ru/ http://www.spbu.ru/faces/professors/geograf/fuks/		
Organization Address*	Universitetskaya nab. 7-9, Saint-Petersburg, Russian Federation		
Organisation type	<input checked="" type="checkbox"/> University <input type="checkbox"/> Research Centre	<input type="checkbox"/> SME <input type="checkbox"/> Large Company	<input type="checkbox"/> Consultancy <input type="checkbox"/> Public Administration
Competences in FP7 Theme "Environment (Including Climate Change)"	<p>6.1 Climate Change, pollution and risks</p> <p>6.1.1 Pressures on environment and climate</p> <p>6.1.1.1 The Earth System and Climate: Functioning and abrupt changes 6.1.1.4 Future climate</p> <p>6.1.3.1 Hazard assessment, triggering factors and forecasting</p> <p>6.2.2.1 Marine resources 6.2.2.2 The Ocean of Tomorrow joint call</p> <p>6.3.1.6 Marine environment</p> <p>6.4 Earth observation and assessment tools for sustainable development</p> <p>6.4.1 Earth and ocean observation systems and monitoring methods for the environment and sustainable development</p> <p>6.4.2 Forecasting methods and assessment tools for sustainable development taking into account differing scales of observation</p> <p>6.4.2.1 Tools for impact assessment 6.4.2.2 Sustainable development indicators</p>		

Is interested in a project that will be prepared and submitted under the following topic(s):

Call identifier*	FP7-ENV-2011
Topic number*	ENV.2011.1.1.6-1 Impacts of a global temperature increase up to 2°C from pre-industrial level, in Europe and most vulnerable regions of the world
Call Deadline*	16 November 2010 at 17:00 (Brussels local time)

Project proposal (for coordinators)/Expertise offered (for partners)* (max 500 words):
 Intensive use of the satellite data (altimetry and geostrophic currents, sea surface temperature, chlorophyll concentration, photo synthesis radiation) for studies of influence of oceanographic factors on bio productivity in different regions of World Ocean.
 To do this our original methods of dynamic-stochastic approach is offered to be applied, allowing to estimate semi empirical parameters in transfer equations and turbulent diffusion transformations of biotic fields.
 Studies of biological active front zones as lines of maximum convergence of organic matter flux.
 Initial data set is to be formed out of photo active radiation, chlorophyll concentration and geostrophic currents selected from CCAR, AVISO, Ocean Color data archives.
 Corresponding time series built in nodes of the regular grid allow to obtain such characteristics as mean, dispersion, spectra, correlation functions of biotic fields over different space-time scales and to compare these results with contact observations.
 Then wavelet analysis is applied to estimate the contribution of different oscillations to the total variability of biological fields.
 All these form a basis for the dynamical-stochastic mathematical model which includes processes of transfer and turbulent diffusion of biological production.

Short description of the organization* (max 12 lines):
 The Regional Oceanography Laboratory (ROL) has several directions of scientific studies currently made by the ROL are as follows:
 1. Stochastic modeling of the oceanographic processes' effects on biological productivity of Russian seas;
 2 Selecting and testing of hydro-meteorological predictors for fishery forecasts

3. Conjugation of the hydro-meteorological fields as an indicator of variability of the oceanographic conditions in near-coastal sea areas (the case studies for the North-West Pacific);
 4 Oceanic response to the large-scale atmospheric disturbances;
 5. Topographical Rossby waves and shelf waves.
 Variability of quasi-geostrophic waves is studied by using the altimeter data on sea surface heights, in particular those obtained from satellites "Topex/Poseidon", "ERS1" and "ERS2", and by surveying in "Megapolygon" area of the North-Western Pacific. The results of investigations made during the said years are summarized in more than 800 publications, including monographs and thematic collections.

Scientific keywords	✓ Satellite remote sensing	✓ Sea level	✓ Dynamic-stochastic modelling	✓ Ocean color	Ocean currents ✓
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Publications on the topic (other references) (max 10):

- Bashmachnikov, I.L., Belonenko, T.V., Guimaraes, J., and Martins "Seasonal and intra-annual variability of physical and biological characteristics in the Subtropical NE Atlantic from satellite data". , A. EGU General Assembly, Ocean Science, Ocean Remote Sensing Session (XY926; EGU2009-11090), 19 - 24 April, Vienna, Austria, 2009
- Foux V.R. Estimation of parameters of the dynamical-stochastic oceanographic fields model using satellite data. Rep. of the St.-P. State Univ., Ser.7 "Geology and Geography", 2008, iss. 2, p. 122-133.
- Foux V.R., Staritzyn D.K. Inter annual variability of the sea level of Japan and Okhotsk Seas from satellite altimetry. . Rep. of the St.-P. State Univ., Ser.7 "Geology and Geography", 2007, iss. 4, p. 114-119..
- Koldunov V.V., Staritzyn D.K., Foux V.R. Seas of the Far East. Book 1. Marine researches. Moscow, "Sci. Pub.", ed. by V.A. Akulichiev, 2007. 520 p.
- Staritzyn D.K Variability of steric oscillations of the sea level in Far Eastern seas: experience of estimations and forecasting perspectives. Rep. of the St.-P. State Univ., Ser.7 "Geology and Geography", 2007, iss. 2, p. 71-80..
- Belonenko T.V., Koldunov V.V. Wavelet analysis of the altimetry satellite sea level measurements in regions of East Sakhalin sea shelf. Rep. of the St.-P. State Univ., Ser.7 "Geology and Geography", 2007, iss. 2, p. 128-134...
- Koldunov V.V. Inter annual and seasonal sea level oscillations in North Pacific. Rep. of the St.-P. State Univ., Ser.7 "Geology and Geography", 2007, iss. 2, p. 142-148....
- Belonenko T.V., Koldunov V.V. Steric sea level oscillations in North-West Pacific. Rep. of the St.-P. State Univ., Ser.7 "Geology and Geography", 2006, iss. 3, p. 81-88...
- Foux V.R. Dynamic-stochastic analysis of oceanographic satellite data. Meteorology and Hydrology, 2009, #8, p. 62-69.
- Railkin A.I., Besyadovsky A.R., Koldunov V.V., Primakov I.M., Foux V.R. Interactions between White Sea shelf benthos communities with bottom boundary layer. SMIO-PRES, St.-P., 2009, p. 480.

Previous participation in EU's Framework Programme projects	"Large-scale and Mesoscale dynamics of the Azores Region from the remote-sensing and in-situ data and their effect on biological productivity" – LAMAR (LAMAR-DRCT/FRCT- M2.1.2/F/008/2007) External cooperation, Consultants
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Organization Name*	Saint-Petersburg State University		
Department/Unit*	Department of Geography and Geoecology, Chair of Oceanography, Laboratory of Regional Oceanography		
Head of Department / Unit	Kaledin Nikolay Vladimirovich		
Contact person (name, position in organization, title)*	Foux Victor Robertovich, professor of the Chair of Oceanography, doctor of Geography, head of the Laboratory of Regional Oceanography		
E-Mail*	victorvf1285@yandex.ru		
Phone*	(+7-812)-3289709		
Fax	(+7-812)-3289709		
Web-site	http://www.spbu.ru http://www.geo.pu.ru/ http://www.spbu.ru/faces/professors/geograf/fuks/		
Organization Address*	Universitetskaya nab. 7-9, 199034, Saint-Petersburg, Russian Federation		
Organisation type	<input checked="" type="checkbox"/> University <input checked="" type="checkbox"/> Research Centre	<input type="checkbox"/> SME <input type="checkbox"/> Large Company	<input type="checkbox"/> Consultancy <input type="checkbox"/> Public Administration

Is interested in a project that will be prepared and submitted under the following topic(s):

Call identifier*	FP7-ENV-2011
Topic number*	ENV.2011.1.1.1-1 Improvement of the representation of critical climate processes in climate and Earth system models
Call Deadline*	16 November 2010 at 17:00 (Brussels local time)

Role in the project*	<input type="checkbox"/> Coordinator <input checked="" type="checkbox"/> Partner		
Type of suggested activities*	<input checked="" type="checkbox"/> RTD <input type="checkbox"/> Demonstration	<input type="checkbox"/> Training <input type="checkbox"/> Coordination	<input type="checkbox"/> Support <input type="checkbox"/> Management

Project proposal (for coordinators)/Expertise offered (for partners)* (max 500 words):
 Survey of the available satellite oceanographic information in visible, infrared and microwave regions
 Construction of original arrays of satellite oceanographic information (altimetry, sea surface temperature, wind driven waves, colors, chlorophyll concentrations)
 Development of dynamical-stochastic approach to satellite information processing in different regions of electromagnetic spectra
 Analysis of the space-time variability of oceanographical fields, detection of low frequency Rossby waves, studies of the sea surface anomalies
 Wavelet and fractal analysis of the ocean satellite data .
 Data assimilation in biotic and hydrodynamical modelling
 Estimation of the role of advection, diffusion in biotic transformations and chlorophyll concentration fields
 Numerical experiments with hydrodynamical and biotic models to interpret mechanisms of space-time variability of biotic and hydrological fields

Short description of the organization* (max 12 lines):
 The Regional Oceanography Laboratory (ROL) has several directions of scientific studies currently made by the ROL are as follows:
 1. Stochastic modeling of the oceanographic processes' effects on biological productivity of Russian seas;
 2 Selecting and testing of hydro-meteorological predictors for fishery forecasts
 3.Conjugation of the hydro-meteorological fields as an indicator of variability of the oceanographic conditions in near-coastal sea areas (the case studies for the North-West Pacific);
 4 Oceanic response to the large-scale atmospheric disturbances;
 5.Topographical Rossby waves and shelf waves.
 Variability of quasi-geostrophic waves is studied by using the altimeter data on sea surface heights, in particular those obtained from satellites "Topex/Poseidon", "ERS1" and "ERS2", and by surveying in "Megapolygon" area of the North-Western Pacific. The results of investigations made during the said years are summarized in more than 800 publications, including monographs and thematic collections.

Scientific keywords	<input checked="" type="checkbox"/> Satellite remote sensing	<input checked="" type="checkbox"/> Sea level	<input checked="" type="checkbox"/> Surface temperature	<input checked="" type="checkbox"/> Ocean color	<input checked="" type="checkbox"/> Ocean currents
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Publications on the topic (other references) (max 10):
 - Belonenko T.V, Koldunov V.V., Staritzyn D.K., Foux V.R., Shilov I.O. Variability of Sea Level in Noth-West Pacific.



<p>SMIO-PESS, St.-P., 2009, 309 p. (Grant # 08-05-07006 of the KANK)</p> <ul style="list-style-type: none"> - Foux V.R. Estimation of parameters of the dynamical-stochastic oceanographic fields model using satellite data. Rep. of the St.-P. State Univ., Ser.7 “Geology and Geography”, 2008, iss. 2, p. 122-133. - Koldunov V.V., Staritzyn D.K., Foux V.R. Seas of the Far East. Book 1. Marine researches. Moscow, “Sci. Pub.”, ed. by V.A. Akulichiev, 2007. 520 p. - Belonenko T.V "Current dispersion tensor designed on altimetry level of ERS-I, ERS-2 and Topex/Poseidon". . PEACE 4th Annual Meeting, Vladivostok. 2008. P.212. - Foux V.R. "On estimation of oceanic front locations from satellite measurements". CONTEMPORARY PROBLEMS OF THE EAST ASIAN SEAS OCENOGRAPHY 4th PEACE Ocean Science Workshop, Vladivostok, Russia Abstracts. 2008. P. 152. - Staritzyn D.K Variability of steric oscillations of the sea level in Far Eastern seas: experience of estimations and forecasting perspectives. Rep. of the St.-P. State Univ., Ser.7 “Geology and Geography”, 2007, iss. 2, p. 71-80.. - Foux V.R. Dynamic-stochastic analysis of oceanographic satellite data. Meteorology and Hydrology, 2009, #8, p. 62-69. - Bashmachnikov, I.L., Belonenko, T.V., Guimaraes, J., and Martins "Seasonal and intra-annual variability of physical and biological characteristics in the Subtropical NE Atlantic from satellite data". , A. EGU General Assembly, Ocean Science, Ocean Remote Sensing Session (XY926; EGU2009-11090), 19 - 24 April, Vienna, Austria, 2009. - Belonenko, T.V., Koldunov V.V. Wavelet analysis of the altimetry satellite sea level measurements in regions of East Sakhalin sea shelf. Rep. of the St.-P. State Univ., Ser.7 “Geology and Geography”, 2007, iss. 2, p. 128-134. 	
<p>Description of previous and present experience in International Cooperation (max. 10 lines)</p>	
<p>Previous participation in EU's Framework Programme projects</p>	<p><input checked="" type="checkbox"/> YES <input type="checkbox"/> NO</p>
<p>If yes:</p>	
<p>Project 1 Title / Acronym (Activities performed)</p>	<p>“LArge-scale and Mesoscale dynamics of the Azores Region from the remote-sensing and in-situ data and their effect on biological productivity” – <i>LAMAR (LAMAR-DRCT/FRCT- M2.1.2/F/008/2007)</i> External cooperation, Consultants</p>



Organization Name*		Southern branch of the P.P.Shirshov Institute of oceanology, Russian Academy of sciences			
Department/Unit*		Coastal zone Department			
Contact person (name, position in organization, title (Mr/Mrs/Dr or other)*		Prof. Ruben Kosyan, Head of the Department of the coastal zone			
E-Mail*		rkosyan@hotmail.com			
Phone (country code – city code – number)*		+7 86141 28281			
Fax (country code – city code – number)		+7 86141 28089			
Web-site		www.coastdyn.ru			
Organisation type		<input type="checkbox"/> University	<input type="checkbox"/> SME	<input type="checkbox"/> Consultancy	
		<input checked="" type="checkbox"/> Research Centre	<input type="checkbox"/> Large Company	<input type="checkbox"/> Public Administration	
(!)Organization Address*		353467 Gelendzhik, 1g, Prostornaya street			
Country*		Russia			
Russian Federal District		<input type="checkbox"/> Centre	<input checked="" type="checkbox"/> South	<input type="checkbox"/> Siberia	
		<input type="checkbox"/> Far-East	<input type="checkbox"/> Northwest	<input type="checkbox"/> Ural	
		<input type="checkbox"/> Volga			
Competences in FP7 Theme “Environment (Including Climate Change)”		6.1.3.1 Hazard assessment, triggering factors and forecasting 6.2.2.1 Marine resources 6.3.1.6 Marine environment 6.4.1.1 Integration of European activities within GEO 6.4.1.3 Earth Observation activities in emerging areas 6.4.2.1 Tools for impact assessment 6.4.2.2 Sustainable development indicators			
Spheres, which are not listed above, related to your competences and can be of common EU-Russia cooperation interest in Environment		- Dynamical processes in the coastal zone - Integrated coastal zone management			
Participation in EU’s Framework Programme projects <i>(please include information about no more than 3 projects, the most relevant ones)</i>				<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
If yes:					
Project(s) description	Title	EUROPEAN NETWORK ON COASTAL RESEARCH.			
	Acronym	ENCORA			
	Duration	2006-2008			
	Web-site	www.encora.eu			
	Reference to the FP7 theme “Environment”	<i>(please insert its area/sub-area number and title - see the table “COMPETENCES”)</i> Coordination Action FP6-2004-GLOBAL-3-518120-1 EUROPEAN NETWORK ON COASTAL RESEARCH.			
	Project brief description	The purpose of the Project was to contribute to the implementation of Integrated Coastal Zone Management in Europe and therefore will carry out a <i>Programme of Networking Activities</i> to overcome existing fragmentation of coastal science, practice and policy in Europe, to improve the integration of coastal research with practice and policy, to strengthen multidisciplinary approaches.			
	Activities performed	<input type="checkbox"/> Research and Technological Development	<input type="checkbox"/> Management	<input type="checkbox"/> Training	
	<input type="checkbox"/> Demonstration	<input checked="" type="checkbox"/> Coordination	<input type="checkbox"/> Support		
	<i>Please specify:</i>				
Project(s) description	Title	BLACK SEA SCIENTIFIC NETWORK			
	Acronym	BLACK SEA SCENE			
	Duration	2005-2007			
	Web-site	www.blackseascene.net			
	Reference to the FP7 theme “Environment”	<i>(please insert its area/sub-area number and title - see the table “COMPETENCES”)</i> FP6-RICA-2005-022868 BLACK SEA SCIENTIFIC NETWORK			



E-URAL “European Union and Russia link for S&T co-operation in the area of the Environment”

	Project brief description	<p>Establishment and operation of a co-operative and sustainable Black Sea Scientific Network (Research Infrastructure) of leading environmental and socio-economic research institutes, universities and NGO's from the Black Sea countries and European member states, which contributes to the protection, rehabilitation and sustainable development of the Black Sea Environment and that will strengthen the quality, service and overall performance of environmental data & information management, both on national, regional and international level.</p> <ul style="list-style-type: none"> To improve the exchange of knowledge, communication and discussions on environmental problems, between the environmental scientists of the Black Sea Region, to join, coordinate and tune the scientific input for the protection, rehabilitation and sustainable development of the Black Sea Ecosystem, through the Black Sea Scientific Network workshops. To introduce and apply European environmental directives (Water Framework Directive) and guidelines To establish and operate a virtual (quality controlled) data and information infrastructure (network) of Black Sea scientific organizations and data holding centres 		
	Activities performed	<input type="checkbox"/> Research and Technological Development <input type="checkbox"/> Demonstration	<input type="checkbox"/> Management <input checked="" type="checkbox"/> XCoordination	<input type="checkbox"/> Training <input checked="" type="checkbox"/> XSupport
		<i>Please specify:</i>		
Project(s) description	Title	Up-grade BLACK SEA SCIENTIFIC NETWORK		
	Acronym	Up-grade BLACK SEA SCENE		
	Duration	2009-2011		
	Web-site	www.blackseascene.net		
	Reference to the FP7 theme “Environment”	FP-7 Contract NR. 226592 Up-grade BLACK SEA SCIENTIFIC NETWORK		
	Project brief description	<p>Building and extending the existing research infrastructure (developed under FP6 project BlackSeaScene 1) with an additional 19 marine environmental institutes/organizations from the 6 Black Sea countries.</p> <p>Implementing FP6 RI SeaDataNet project standards regarding common communication standards and adapted technologies will ensure the datacenters interoperability. Main output will be on-line access to in-situ and remote sensing data, meta-data and products.</p>		
	Activities performed	<input type="checkbox"/> Research and Technological Development <input type="checkbox"/> Demonstration	<input type="checkbox"/> Management <input checked="" type="checkbox"/> XCoordination	<input type="checkbox"/> Training <input checked="" type="checkbox"/> X Support
		<i>Please specify:</i>		
Participation in other European programmes projects <i>(please include information about no more than 3 projects, the most relevant ones)</i>		<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO	
If yes:				
Project(s) description	Title	Forecasting of wave climate		
	Acronym	NATO TU-WAVES Project		
	Duration	1993-1997		
	Web-site			
	Reference to the FP7 theme “Environment”	<i>(please insert its area/sub-area number and title - see the table “COMPETENCES”)</i>		
	Project brief description			
Activities performed	<input checked="" type="checkbox"/> X Research and Technological Development <input type="checkbox"/> Demonstration	<input type="checkbox"/> Management <input type="checkbox"/> Coordination	<input type="checkbox"/> Training <input type="checkbox"/> Support	
		<i>Please specify:</i>		
If yes:				
Project(s) description	Title	Black Sea Ecosystem Processes and Forecasting/Operational Database		
	Acronym	NATO SfP ODBMS Black Sea project (NATO SfP 971818)		
	Duration	1999-2003		
	Web-site	www.ims.metu.edu.tr/activities/reportims2002		



E-URAL “European Union and Russia link for S&T co-operation in the area of the Environment”

	Reference to the FP7 theme “Environment”	<i>(please insert its area/sub-area number and title - see the table “COMPETENCES”)</i>		
	Project brief description	Black Sea Ecosystem Processes Modeling, Prediction and Operational Data Management		
	Activities performed	<input checked="" type="checkbox"/> Research and Technological Development <input type="checkbox"/> Demonstration	<input type="checkbox"/> Management <input type="checkbox"/> Coordination	<input type="checkbox"/> Training <input type="checkbox"/> Support
		<i>Please specify:</i>		

If yes:

Project(s) description	Title	Ecosystem modeling as a management tool for the Black Sea: a Regional program of Multi-institutional Cooperation		
	Acronym	NATO Sfs Black Sea project (TU-930668)		
	Duration	1993 - 1997		
	Web-site			
	Reference to the FP7 theme “Environment”	<i>(please insert its area/sub-area number and title - see the table “COMPETENCES”)</i>		
	Project brief description			
	Activities performed	<input checked="" type="checkbox"/> Research and Technological Development <input type="checkbox"/> Demonstration	<input type="checkbox"/> Management <input type="checkbox"/> Coordination	<input type="checkbox"/> Training <input type="checkbox"/> Support
		<i>Please specify:</i>		

Participation in relevant Russian projects

(please include information about no more than 3 projects, the most relevant ones)

YES

NO

If yes:

Project(s) description	Title	More than 30 projects of the Russian Foundation for Basic Research.		
	Acronym			
	Duration	1993-2010		
	Web-site			
	Reference to the FP7 theme “Environment”	<i>(please insert its area/sub-area number and title - see the table “COMPETENCES”)</i>		
	Project brief description			
	Activities performed	<input type="checkbox"/> Research and Technological Development <input type="checkbox"/> Demonstration	<input type="checkbox"/> Management <input type="checkbox"/> Coordination	<input type="checkbox"/> Training <input type="checkbox"/> Support
		<i>Please specify:</i>		

Description of other previous and present experience in International Cooperation (max. 10 lines)

I have more than 40 years of scientific and engineering experience. I am engaged in problems of physical oceanography, marine geophysics, ocean engineering and methods of dynamical processes' study in coastal region. I developed a number of methods and techniques of sediment transport measurements used in research works at many marine objects in the USSR, Argentina, Bulgaria, Poland, Germany, Spain, Netherlands, USA, New Zealand, Libya, Yemen, Northern Korea, Vietnam and Cuba. I leaded a lot of international near-shore scientific experiments and programs. I lectured on coastal zone dynamics in Universities of all continents, excluding Antarctica

One of the main scientific achievements is an establishment of total regularities of hydrogenous sediment transport in the coastal zone and founding of specific calculation recommendations on their determination, based on the specially performed experiments.

I am the chairman of the experts council in Oceanology of the Russian Foundation for Basic researches, one of experts for European program INTAS (ID771), European Commission (EE19981A23565).



Organization Name*		State Institution “Caspian Marine Scientific Research Center” (SI “Kaspmniz”)		
Department/Unit*		Management Department		
Head of Department / Unit (Name, Title)*		Dr. Sergey Monakhov, Director		
Contact person (name, position in organization, title (Mr/Mrs/Dr or other)*		Dr. Olga Esina, Academic secretary		
E-Mail*		kaspmniz@mail.ru		
Phone (country code – city code – number)*		+7-8512-303440, +7-8512-303470		
Fax (country code – city code – number)		+7-8512-301163		
Web-site		www.caspianmonitoring.ru		
Organisation type		<input type="checkbox"/> University <input type="checkbox"/> SME <input checked="" type="checkbox"/> Research Centre <input type="checkbox"/> Large Company <input type="checkbox"/> Consultancy <input type="checkbox"/> Public Administration		
(!)Organization Address*		Shiryaev Street, 14, 414045, Astrakhan		
Country*		Russian Federation		
Russian Federal District		<input type="checkbox"/> Centre <input type="checkbox"/> South <input type="checkbox"/> Siberia <input type="checkbox"/> Far-East <input type="checkbox"/> Northwest <input type="checkbox"/> Ural <input checked="" type="checkbox"/> Volga		
Competences In FP7 Theme “Environment (Including Climate Change)”		<p>6.1 Climate Change, pollution and risks</p> <p>6.1.1 Pressures on environment and climate</p> <p>6.1.1.1 The Earth System and Climate: Functioning and abrupt changes</p> <p>6.1.1.2 Emissions and pressures: Natural and anthropogenic</p> <p>6.1.1.5 Climate change natural and socio-economic impacts</p> <p>6.1.1.6 Response strategies: adaptation, mitigation and policies</p> <p>6.1.3 Natural Hazards</p> <p>6.1.3.1 Hazard assessment, triggering factors and forecasting</p> <p>6.1.3.2 Vulnerability assessment and societal impacts</p> <p>6.2 Sustainable management of resources</p> <p>6.2.1 Conservation and sustainable management of natural and man-made resources and biodiversity</p> <p>6.2.1.2 Water resources</p> <p>6.2.2 Management of marine environments</p> <p>6.2.2.1 Marine resources</p> <p>6.3 Environmental technologies</p> <p>6.3.1 Environmental technologies for observation, simulation, prevention, mitigation, adaptation, remediation and restoration of the natural and man-made environment</p> <p>6.3.1.1 Water</p> <p>6.3.1.6 Marine environment</p> <p>6.3.1.8 Technologies for climate</p> <p>6.4.2 Forecasting methods and assessment tools for sustainable development taking into account differing scales of observation</p> <p>6.4.2.1 Tools for impact assessment</p> <p>6.4.2.3 Interplay between social, economic and ecological systems</p>		
Spheres, which are not listed above, related to your competences and can be of common EU-Russia cooperation interest in Environment		- Environmental legislation		
<p>Short description of the organization/department/research team* (max 12 lines):</p> <p>State institution “Caspian Marine Scientific Research Center” (SI “Kaspmniz”), was founded in 1995 by Roshydromet (Federal Service for Hydrometeorology and Environmental Monitoring) order # 71 from 30 June 1995. Main research trends are the study of climatic, meteorological, hydrological and hydrochemical processes in the Caspian Sea region and development of methods for their assessment, diagnosis and forecasting; study of the Caspian Sea pollution, development of methods for assessment, diagnosis and forecasting of marine environment pollution; supplying general information on hydrometeorology and adjacent fields on actual and forecasted changes in climate, meteorological, hydrological and hydrochemical conditions, pollution of the Caspian Sea and the estuaries of inflowing rivers. SI “Kaspmniz” actively participates in the implementation of international programs and projects in the field of Caspian Sea research. Director of the Center S.K Monakhov is CASPAS Coordinator (Complex Programme on hydrometeorology and environment</p>				



monitoring of the Caspian Sea).

Publications (max 10):

1. Ostrovskaya E., Kurapov A., Anisimov L. 2005 The Caspian Sea region: environmental security and risk assessment applications in oil and gas development projects. In: Proc. ARW NATO “Environmental Security in Harbors and Coastal Areas: Management Using Comparative Risk Assessment and Multi-Criteria Decision Analysis Framework”. – 101-113.
2. Monakhov S.K. (Ed.) 2005. Pollution of the western North Caspian by oil hydrocarbons: an environmental assessment. Atlas. 50 pp.
3. Petrechenkova V.G., Ostrovskaya E.V. 2008. Organization of environmental monitoring in the Caspian sea at national and international levels // Proceedings of IV International Symposium on Transboundary Waters Management (15-18 October 2008 Thessaloniki, Greece).
4. Aldabaev A., Pavlova M. 2008. Specific features of exploitation and protection of the Caspian sea waters under uncertain legal status // Proceedings of IV International Symposium on Transboundary Waters Management (15-18 October 2008 Thessaloniki, Greece).
5. Esina O., Belyaeva E., Monakhov S. 2008. General catalogue of the Caspian Sea level: data for analysis of local, regional and global changes, and their interrelations // Proceedings of the 9th International conference LITTORAL 2008 “A changing coast: challenge for the environmental policies” (November 25-28 2008, Venice, Italy).
6. Monakhov S., Kurapov A., Popova N., Zornikova O. 2009. Valuation, assessment and diagnosis of pollution in oil and gas bearing areas of Russian seas (on the example of the Caspian sea) // Proceedings of the 3th International conference “Problems of conservation of the Caspian sea ecosystem under the conditions of oli-and-gas field development” (13-15 October 2009, Astrakhan, Russia). P. 147 -151
7. Esina O.I., Tarasova R.A., Tatarnikov V.O. The diagnosis of main pollution sources of the mixing zone of marine and riverine waters // Proceeding of the 9th International conference on the Mediterranean Coastal Environment MEDCOAST 09 (10-14 November 2009, Sochi, Russia). P. 649-656
8. Tatarnikov V.O., Esina O.I., Petrechenkova V.G., Veremeenko O.V., Kholina O.I. Hydrological structure and the pollution of the Caspian Sea // Proceeding of the Ninth International Conference on the Mediterranean Coastal Environment/ MEDCOAST 09, (10-14 November 2009, Sochi, Russia). P.609-620

Scientific keywords	Marine environment	environmental monitoring	impact assessment	climate change	environmental security
Participation in EU’s Framework Programme projects				<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO

Project(s) description	Title	Caspian environmental and industrial data & Information service (EU – FP7 Grant Agreement # 211288)
	Acronym	CASPINFO
	Duration	30 months since 1/09/2008
	Web-site	www.caspinfo.net
	Reference to the FP7 theme “Environment”	6.2.1 Conservation and sustainable management of natural and man-made resources and biodiversity 6.2.1.2 Water resources 6.2.2 Management of marine environments 6.2.2.1 Marine resources 6.3 Environmental technologies 6.4.1 Earth and ocean observation systems and monitoring methods for the environment and sustainable development



E-URAL “European Union and Russia link for S&T co-operation in the area of the Environment”

Project brief description	<p>The objectives of the project CASPINFO are:</p> <ul style="list-style-type: none"> ✓ To initiate and maintain a Caspian Sea network of leading environmental and socio-economic research institutes, governmental departments, oil & gas industries, and international bodies, jointly working on the definition, development and operation of the CASPINFO service. ✓ Development and establishment of an Internet based CASPINFO Data & Information Service to facilitate the access to socio-economic and legal information, metadata and distributed datasets, managed by the regional partners, and to support marine environmental management. ✓ To explore and to develop a sustainable operation model for the CASPINFO service, thereby taking into account that the partners are coming from different backgrounds (public and private sectors) and possibly will deal with a mix of public and commercial data & information. <p>Improved access to high quality, up-to-date environmental, economic, social and industrial (meta-) data and information, is a key issue. The CASPINFO data & information service will serve as a repository for relevant, available marine environmental and industrial (meta-) data and serve as an important instrument for marine environmental scientists, oil & gas industry and other marine industries, governmental decision makers and managers and the general public. Interoperability and harmonisation with other European systems are key conditions. CASPINFO will zoom in on the environment, but moreover on supporting assessments of impacts and effectiveness of measures concerning oil & gas industry activities, which are of great economic importance to the region. CASPINFO will also be promoted to other marine industries, that might benefit from the service.</p>		
Activities performed	<input type="checkbox"/> Research and Technological Development <input type="checkbox"/> Demonstration	<input type="checkbox"/> Management <input checked="" type="checkbox"/> Coordination	<input type="checkbox"/> Training <input checked="" type="checkbox"/> Support
<p><i>Please specify:</i> As a partner of CASPINFO Project SI “KaspMNIZ” is responsible for: exploring and establishing what data are needed to improve support of environmental impact assessments as well as cooperation between environmental scientists and oil & gas industry; exploring and establishing requirements for environmental data from point of view oil & gas industry; requirements for industrial data from point of view environmental institutes; tuning of the requirements and finding consensus; preparing a high level overview of available environmental, management and industrial data & information and thematic maps in possession of Caspian Sea country partners, including formats, local databases, and availability of meta-data; availability and accessibility conditions.</p>			
Project(s) description	Title	“CABRI-Cooperation Along a Big River: Institutional coordination among stakeholders for environmental risk management in the Volga Basin CABRI-Volga” (EU – FP6 Contract # INCO-13424)	
Acronym		CABRI-VOLGA	
Duration		Start Date 01/12/2004 End Date 28/02/2007	
Web-site		www.cabri-volga.org (until 2012)	
Reference to the FP7 theme “Environment”		6.1.1.2 Emissions and pressures: Natural and anthropogenic 6.1.2 Environment and health 6.1.3 Natural Hazards 6.2 Sustainable management of resources 6.3 Environmental technologies	



E-URAL “European Union and Russia link for S&T co-operation in the area of the Environment”

Project brief description	<p>CABRI-Volga is an international coordination action to facilitate cooperation and to coordinate research in environmental risk management in river basins in the EU, Russia & the NIS. It focuses on the Volga basin for which environmental risk management is fundamental for protecting the environment, improving socio-economic conditions and promoting agricultural and industrial economies as well as the health of the Caspian Sea. Deficiencies in governance and civil society involvement as well as low levels of cooperation between academic and policy-making institutions have led to a situation of significant ecologic, social and economic risks in the basin. CABRI strategic objectives are, inter alia, to mobilize existing, isolated human and institutional resources, increase the research potential on environmental risk management in river basins as well as strengthen links between scientific communities and policy-making processes. A scientifically and institutionally complementary consortium of 18 partners from Russia and the EU is following an elaborated workplan to achieve the project objectives. For three series of parallel working group meetings, Russian and EU experts (~70 per series) from various scientific and institutional backgrounds will be recruited from the extensive network of CABRI stakeholder organizations to discuss and exchange knowledge and expertise in the CABRI thematic areas, namely environmental rehabilitation, vulnerabilities & human security, natural resources & their sustainable use, connecting goods & people (transport and mobility), and institutional coordination & cooperation. CABRI will achieve a number of concrete outcomes to be widely disseminated via the CABRI website, incl. case studies, State-of-the-Art Review, Good Practices Report, Policy Recommendations, Action Plan & Research Agenda, an established networks of experts and stakeholders from Russia/NIS & EU as well as coordination mechanisms such as the Volga.</p>		
	Activities performed	<input checked="" type="checkbox"/> Research and Technological Development <input type="checkbox"/> Demonstration	<input type="checkbox"/> Management <input type="checkbox"/> Coordination
Participation in other European programmes projects		<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	
If yes:			
Project(s) description	Title	“Study and review for determination of major pollutants flow from the Volga cascade” (UNDP/GEF # RER03G31 (00034997))	
	Acronym	-	
	Duration	2005 - 2006	
	Web-site	-	
	Reference to the FP7 theme “Environment”	6.3 Environmental technologies 6.3.1 Environmental technologies for observation, simulation, prevention, mitigation, adaptation, remediation and restoration of the natural and man-made environment 6.3.1.1 Water	
Project brief description	<p>Analysis of published information and archive data on contents of the main persistent toxic substances (PTS) over the recent 10 years in water and bottom sediments in the Lower Volga at a distance of 200 km from the Caspian Sea was carried out. Zoning was carried out and multi-annual data on hydrological regime in the delta and estuarial seashore shallow zone were summarized to justify estimations of pollutants discharge by the Volga flow into the Caspian Sea. Assessment of multi-annual variations and average multi-annual volumes of water and sediment discharges in the Volga delta was implemented based on data of network hydrological surveys as well as by monthly intervals over the recent 10 years. Expeditionary research of bottom sediments pollution in the Volga delta and estuarial seashore shallow zone was conducted. Samples collected were subject to laser granulometric analysis and to comprehensive chemical analysis.</p>		
Activities performed	<input checked="" type="checkbox"/> Research and Technological Development <input type="checkbox"/> Demonstration	<input type="checkbox"/> Management <input type="checkbox"/> Coordination	<input type="checkbox"/> Training <input checked="" type="checkbox"/> Support
<i>Please specify:</i> Participation in preparation and assessment of pollutants transported with the Volga flow to the seashore line of the Volga delta			



Project(s) description	Title	“Conservation of Wetland Biodiversity in the Lower Volga Region” (UNDP/GEF PIMS#1280)		
	Acronym	-		
	Duration	2004 - 2012		
	Web-site	-		
	Reference to the FP7 theme “Environment”	6.2.1 Conservation and sustainable management of natural and man-made resources and biodiversity		
	Project brief description	<p>The Project objective is to ensure conservation and sustainable use of wetland biodiversity in the Lower Volga region. The Project activities are aimed at five main outcomes:</p> <p>improved Lower Volga wetland biodiversity information management and its use in decision-making;</p> <p>strengthened institutional and regulatory capacity of specially protected nature areas, multisectoral mechanisms for wetland biodiversity conservation and use in the Lower Volga;</p> <p>strengthened system of protected areas in the Lower Volga region;</p> <p>developed sustainable alternative (non-emaciating with regard to biodiversity) livelihoods for local population;</p> <p>increased awareness of public and decision-makers, support for wetland biodiversity conservation and sustainable use of Lower Volga.</p>		
Activities performed	<input checked="" type="checkbox"/> Research and Technological Development <input type="checkbox"/> Demonstration	<input type="checkbox"/> Management <input type="checkbox"/> Coordination	<input type="checkbox"/> Training <input checked="" type="checkbox"/> Support	
<i>Please specify:</i> Assessment of the hydrological and hydrochemical regime of the Lower Volga				

Participation in relevant Russian projects

YES

NO

If yes:

Project(s) description	Title	Assessment of the ecological state of the Middle Caspian		
	Acronym	-		
	Duration	2008		
	Web-site	-		
	Reference to the FP7 theme “Environment”	6.3.1 Environmental technologies for observation, simulation, prevention, mitigation, adaptation, remediation and restoration of the natural and man-made environment 6.3.1.6 Marine environment		
	Project brief description	<p>Assessment of hydrometeorological, hydrological and hydrochemical conditions in the central part of the Caspian sea; assessment of the water and bottom sediments pollution (hydrocarbons, organic pollutants, heavy metals); analysis of pollutant substances distribution (on the basis of the expeditionary research).</p>		
Activities performed	<input checked="" type="checkbox"/> Research and Technological Development <input type="checkbox"/> Demonstration	<input type="checkbox"/> Management <input checked="" type="checkbox"/> Coordination	<input type="checkbox"/> Training <input type="checkbox"/> Support	
<i>Please specify:</i> SI “KaspMNIZ” was the Project coordinator and the main executor (development of the workplan, development and application of methods for assessment, diagnosis and forecasting of marine environment pollution).				

Description of other previous and present experience in International Cooperation (max. 10 lines)

1. SI “KaspMNIZ” as a state institution of Federal Service for Hydrometeorology and Environmental Monitoring (Roshydromet) takes a direct part in the realization of the project CASPCOM (the Coordinating Committee on Hydrometeorology and Pollution Monitoring of the Caspian Sea that was established in 1994 by the Caspian states with the support of the World Meteorological Organization).
2. Participation (as a Project Coordinator) in creating the General Catalogue of the Caspian sea level which is to become a tool for analyzing, evaluating and predicting fluctuations in the sea level, as well as the relationship of these fluctuations with synoptic processes and global climate change (upon implementation of CASPCOM initiative, 11th Session, 2007).
3. **Organization of the International Scientific Conference “Climate and Water Balance Changes in the Caspian region”** Russia, Astrakhan, 19-21 October 2010 (www.caspianmonitoring.ru, ccw2010@mail.ru)



Organization Name*		Institute of Biology Komi SC UB RAS			
Department/Unit*		Soil Science Department			
Head of Department / Unit (Name, Title)*		Dr. Elena M. Lapteva			
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Fax (country code – city code – number)		+7-8212-240163			
Web-site		http://www.ib.komisc.ru/			
Organisation type		<input type="checkbox"/> University <input type="checkbox"/> SME <input type="checkbox"/> Consultancy <input checked="" type="checkbox"/> Research Centre <input type="checkbox"/> Large Company <input type="checkbox"/> Public Administration			
(!)Organization Address*		28, Kommunisticheskaya Str., Syktyvkar, 167982			
Country*		Russia			
Russian Federal District		<input type="checkbox"/> Centre <input type="checkbox"/> South <input type="checkbox"/> Siberia <input type="checkbox"/> Far-East <input checked="" type="checkbox"/> Northwest <input type="checkbox"/> Ural <input type="checkbox"/> Volga			
Competences in FP7 Theme "Environment (Including Climate Change)"		6.1 Climate Change, pollution and risks 6.1.1 Pressures on environment and climate 6.1.1.1 The Earth System and Climate: Functioning and abrupt changes 6.1.1.3 The Global Carbon Cycle - greenhouse gas budgets 6.1.1.4 Future climate 6.1.1.5 Climate change natural and socio-economic impacts 6.2 Sustainable management of resources 6.2.1 Conservation and sustainable management of natural and man-made resources and biodiversity 6.2.1.1 Integrated resource management 6.2.1.3 Soil research and desertification 6.3.1.2 Soil 6.4.2 Forecasting methods and assessment tools for sustainable development taking into account differing scales of observation 6.4.2.2 Sustainable development indicators			
Short description of the organization/department/research team* (max 12 lines):					
Soil-functioning biosphere resources in European North-East and bioclimatic ecotones as foundation of protection and monitoring of the soil cover					
Publications (other references) (max 10):					
Mazhitova, G.G., Kaverin, D.A. 2007. Thaw depth dynamics and soil surface subsidence at A circumpolar active layer monitoring (CALM) site, the European north of Russia. Earth Cryosphere, Vol. XI, No. 4, pp. 20-30. Tarnocai, C., Canadell, J. G., Schuur, E. A. G., Kuhry, P., Mazhitova, G. and Zimov S. 2009. Soil organic carbon pools in the northern circumpolar permafrost region. Global Biogeochemical Cycles, VOL. 23, GB2023, doi:10.1029/2008GB003327. Mazhitova, G; Malkova, G; Chestnykh, O; Zamolodchikov, D. 2004. Active-layer spatial and temporal variability at European Russian circumpolar-active-layer-monitoring (CALM) sites. PERMAFROST AND PERIGLACIAL PROCESSES 15 (2): 123-139. Tonkonogov, V.D., Pastukhov, A.V. , Zaboeva, I.V. (2006) Genesis and soil classification position of automorphic soils developed from mantle loams in the Northern taiga of European Russia. Eurasian Soil Science Vol. 39, No 1, pp. 21-28. Pastukhov, A.V. (2007) Peculiarities of loamy soils in tundra - north taiga ecotone in European North-East. E-journalnet.com Ecology, Scientific Articles Vol. 1, pp. 89-98. Pastukhov, A.V. (2008) About genesis and soil classification of Automorphic soils in mantle loams in tundra - forest-tundra microecotone. Herald of the S.-Peterburg's University Series 3. Biology, No 3, pp. 117-126 (in Russian).					
Scientific keywords	soil	permafrost	carbon	climate change	indicator
Participation in EU's Framework Programme projects <i>(please include information about no more than 3 projects, the most relevant ones)</i>				<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	
If yes:					
Project(s) description	Title	Quantifying the carbon budget in Northern Russia: past, present and future			
	Acronym	CARBO-North			



E-URAL “European Union and Russia link for S&T co-operation in the area of the Environment”

	Duration	2006-2010		
	Web-site	www.carbonorth.net		
	Reference to the FP7 theme “Environment”	<p><i>(please insert its area/sub-area number and title - see the table “COMPETENCES”)</i> NN 036993, SIX FRAMEWORK PROGRAMME Call FP6-2005-Global-4 Sub-Priority 6.3: Global Change and Ecosystems Topic I.1.1: Regional carbon and greenhouse gas budgets</p>		
	Project brief description	<p>CARBO-North aims at quantifying the carbon budget in Northern Russia across temporal and spatial scales. Activities address rates of ecosystem change, effects on the carbon budget (radiative forcing), and global climate and policy implications (Kyoto). Recent research on the impacts of climate change in high latitude regions has mostly assessed the 'equilibrium' response of ecosystems, for instance what is the 'potential' location of the arctic treeline or the southern limit of permafrost under conditions of global warming. However, transient responses are of much greater importance from a policy perspective. How quickly will the arctic treeline migrate? How quickly will permafrost thaw? How quickly will enhanced soil organic matter decay result in increased greenhouse gas emissions and leaching? Different time lags in these processes will cause significant deviations from equilibrium response. Proposed field study areas in Northeast European Russia are characterized by gradual lowland transitions in vegetation and permafrost conditions. Dedicated climate models will provide requested variables and time slices as input to ecosystem studies. Analyses will be conducted to assess the sensitivity of climate model output to a suite of land cover, ground and permafrost schemes. Proxy data will be used to evaluate rates of ecosystem change under past climatic changes. The present environment will be studied from the plot to landscape scales with a variety of approaches, including assessments of human-induced and natural disturbances. Detailed monitoring and mapping of vegetation, soil and permafrost will provide input for process oriented studies (treeline patch dynamics; tundra, forest, and river carbon fluxes; ground subsidence, etc.) and GIS-based upscaling to regional levels. Results are used for integrated ecosystem modelling, calculation of net radiative effects and assessment of the sensitivity of climate model predictions to transient environmental changes.</p>		
	Activities performed	<input checked="" type="checkbox"/> Research and Technological Development <input type="checkbox"/> Demonstration	<input checked="" type="checkbox"/> Management <input type="checkbox"/> Coordination	<input type="checkbox"/> Training <input type="checkbox"/> Support
		<i>Please specify:</i> Partner		
Participation in other European programmes projects				
<i>(please include information about no more than 3 projects, the most relevant ones)</i>		<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO		
If yes:				
Project(s) description	Title	Long-Term Observations of the Climate-Active Layer-Permafrost System.		
	Acronym	CALM III		
	Duration	1999-2003; 2004-2008; 2009-2013		
	Web-site	http://www.udel.edu/Geography/calm/index.html		
	Reference to the FP7 theme “Environment”	<i>(please insert its area/sub-area number and title - see the table “COMPETENCES”)</i>		



E-URAL “European Union and Russia link for S&T co-operation in the area of the Environment”

Project brief description	<p>The primary goal of the Circumpolar Active Layer Monitoring (CALM) program is to observe the response of the active layer and near-surface permafrost to climate change over long (multi-decadal) time scales. The CALM observational network, established in the 1990s, observes the long-term response of the active layer and near-surface permafrost to changes and variations in climate at more than 125 sites in both hemispheres. CALM currently has participants from 15 countries. Approximately 60 sites measure active-layer thickness on grids ranging from 1 ha to 1 km², and 100 sites observe soil temperatures, including permafrost temperatures from boreholes. Most sites in the CALM network are located in Arctic and Subarctic lowlands, although 20 boreholes affiliated with CALM are in mountainous regions of the Northern Hemisphere above 1300 m elevation. A new Antarctic component is being organized and currently includes 13 sites. The broader impacts of this project are derived from the hypothesis that widespread, systematic changes in the thickness of the active layer could have profound effects on the flux of greenhouse gases, on the human infrastructure in cold regions, and on landscape processes. It is therefore critical that observational and analytical procedures continue over decadal periods to assess trends and detect cumulative, long-term changes. The CALM program began in 1991. It was initially affiliated with the International Tundra Experiment and was later (1998-2002) supported by a grant from the U.S. National Science Foundation's Arctic System Science program to the University of Cincinnati and directed by Professor K. M. Hinkel. During a bridging year (2003) field operations in Alaska, Russia, Mongolia, and Kazakhstan were supported by the University of Delaware's Center for International Studies. The CALM program is currently supported by a grant from NSF's Arctic Research Support and Logistics program (OPP-0352958).* A brief history of CALM is available in the paper by Brown et al. (2000).</p>		
Activities performed	<input checked="" type="checkbox"/> Research and Technological Development <input type="checkbox"/> Demonstration	<input type="checkbox"/> Management <input type="checkbox"/> Coordination	<input type="checkbox"/> Training <input type="checkbox"/> Support
Please specify: Participant			
Participation in other European programmes projects <i>(please include information about no more than 3 projects, the most relevant ones)</i>		<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	
If yes:			
Project(s) description	Title	Thermal State of Permafrost	
	Acronym	TSP	
	Duration		
	Web-site		
	Reference to the FP7 theme “Environment”	<i>(please insert its area/sub-area number and title - see the table “COMPETENCES”)</i>	
	Project brief description	<p>Description of Russian-US Thermal State of Permafrost (TSP) Project. Russian-American bilateral project Thermal State of Permafrost is a part of global project Thermal State of Permafrost, carrying out in the frame of International Polar Year under the umbrella of International Permafrost Association. In the long-term perspective TSP should become a part of WMO GTN-P project.</p> <p>The goals and objectives of the main TSP are:</p> <ol style="list-style-type: none"> 1. Establish a spatially distributed of boreholes, instrumented for geothermal measurements. 2. Obtain standardized temperature measurements in all permafrost regions 3. Produce a global data set and maps of contemporary ground temperatures 4. Develop and validate permafrost and active layer reanalysis models <p>The data sets, both retrospective compilations and the Campaign-acquired "snapshots", will be the major deliverable and Legacy of the project. It will serve as a baseline for assessing of permafrost responses to changing climates.</p> <p>A final project data product in 2009 will be available via the internet and in all likelihood as separate CD-Rom/DVD products.</p> <p>The Russian-US TSP allows estimate peculiarities of geothermal field on the main part of Arctic and Sub Arctic region.</p> <p>The TSP is NSF-supported project which will help start the investigations and provide some support for Russian collaborators.</p>	
Activities performed	<input checked="" type="checkbox"/> Research and Technological Development <input type="checkbox"/> Demonstration	<input type="checkbox"/> Management <input type="checkbox"/> Coordination	<input type="checkbox"/> Training <input type="checkbox"/> Support
Please specify: Participant			



INTEREST IN FP7 OPEN CALLS

Call identifier*	FP7-ICT-2009-C		
Topic(s) number*			
Call Deadline*	2011-05-24		
Role in the project*	<input type="checkbox"/> Coordinator <input checked="" type="checkbox"/> Partner		
Type of suggested activities*	<input checked="" type="checkbox"/> RTD <input type="checkbox"/> Demonstration	<input type="checkbox"/> Training <input type="checkbox"/> Coordination	<input type="checkbox"/> Support <input type="checkbox"/> Management
Project proposal (for coordinators)/Expertise offered (for partners)* (max 500 words): Digital soil map of the European North <p>Increasing requirements of a modern society and new technologies demand more exact mapping not only for land users, but also for mathematical modelling and other allied branches of science.</p> <p>At present 109 countries have soil maps of plotting scale 1: 1 000 000 and is larger, only 31 % of a land, free from ice. The part of terrain of Siberia in Russia has till now no maps even plotting scale 1: 1 000 000. In terrain of the European North many sheets of maps of million plotting scale are compounded in 60-70th years of the last century and specification according to the received new data demand. All soil maps are compounded on the basis of principles of Soils Classification of the USSR (1977) and propagated in individual papered copies, that essentially reduces their potential users in Russia and makes their absolutely inaccessible to world science.</p> <p>Revolutionary progressing of last years in GIS-technologies, online services, mobile systems promote the digital soil mapping not as a simple composition of certain traditional polygons, but as the dimensional database of the soil properties. Modern maps are open circuits for uploaded soil data into the forecast models of global climate change.</p> <p>The uniform dimensional digital soil database, and also the soil map of plotting scale 1: 1 000 000 constructed according to international classification of soils WRB or Soil Taxonomy for the European North, are necessary. Our team has an experience of soil databases development compounded during some international projects:</p> <p>-Project “Pechora” – the digital database and a soil map according to classification WRB of the Usa river basin.</p> <p>-Project “Carbo-North” – large scale digital soil maps (WRB) (1: 25 000) with database of some sites of tundra, forest-tundra and taiga.</p> <p>As a result of realisation of the proposed project the digital soil map of the European North with an open soil database which one will be accessible not only to a narrow circle of the Russian specialists, but also a world science will be produced.</p>			



Organization Name*		Institute of biology Komi Sci. Center Ural Div. Russian Academy of Science			
Department/Unit*		North flora and vegetation			
Head of Department / Unit (Name, Title)*		Dr. Svetlana Degteva			
Contact person (name, position in organization, title (Mr/Mrs/Dr or other)*		Patova Elena, Senior Researcher, Dr.			
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Web-site		http://ib.komisc.ru			
Organisation type		<input type="checkbox"/> University <input type="checkbox"/> SME <input type="checkbox"/> Consultancy <input checked="" type="checkbox"/> Research Centre <input type="checkbox"/> Large Company <input type="checkbox"/> Public Administration			
(!)Organization Address*		Kommunisticheskaja st.28, Syktyvkar, Komi Republic, Russia, 167928			
Country*		Russia			
Russian Federal District		<input type="checkbox"/> Centre <input type="checkbox"/> South <input type="checkbox"/> Siberia <input type="checkbox"/> Far-East <input checked="" type="checkbox"/> Northwest <input type="checkbox"/> Ural <input type="checkbox"/> Volga			
Competences in FP7 Theme "Environment (Including Climate Change)"		6.1 Climate Change, pollution and risks 6.1.1 Pressures on environment and climate 6.1.1.2 Emissions and pressures: Natural and anthropogenic 6.1.1.3 The Global Carbon Cycle - greenhouse gas budgets 6.1.1.5 Climate change natural and socio-economic impacts 6.2.1.4 Biodiversity 6.3.1.5 Built environment			
Short description of the organization/department/research team* (max 12 lines):					
<p>Institute of Biology, Komi Science Center UrD RAS is the largest scientific establishment performing complex studies of structural and functional organization of terrestrial and aquatic ecosystems in the European North-East. Launched in 1962, Institute of Biology dates back to the Base of Academy of Sciences, USSR, founded in the Komi ASSR in 1944, later (in 1949) transformed into the Komi Filial of AS USSR. Main objectives of the Institute of Biology are conducting fundamental scientific research in general and physical-chemical biology (biology of ecosystems; study, protection, and sustainable use of plant and animal world; genetics and selection; hydrobiology and ichthyology; soil studies; radioecology; plant physiology; bio-organic chemistry and biotechnology, analytical chemistry). The Institute conducts research into applied techniques concerning sustainable non-exhaustive nature use and accelerated nature restoration, generates new equipment, software and materials. It has carried out research in the Usa basin and Middle Taiga for over 40 years and currently participates in the TUNDRA, SPICE, three INTAS EU-funded projects, etc. and has just completed a bilateral Dutch-Russian project on "Pechora River basin Integrated System Management".</p>					
Publications (other references) (max 10):					
<p>Patova, E. & Sivkov, M. 2002. Diversity of soil Cyanophyta, CO₂ - gas exchange and acetylene reduction of the soil crust in the cryogenic soils (East-European tundra) // Nova Hedwigia, B. 123: 387-395.</p> <p>Virtanen, T., Mikkola, K., Patova, E., Nikula A. (2002) Satellite image analysis of human caused changes in the tundra vegetation around the city of Vorkuta, north-European Russia // J. Environmental Pollution, V. 120/3 : 153-164.</p> <p>Perceived and Measured Levels of Environmental Pollution: Interdisciplinary Research in the Subarctic Lowlands of Northeast European Russia/ T. R. Walker, J. O. Habeck, T. P. Karjalainen, T. Virtanen, N. Solovieva, V. Jones, P. Kuhry, V.I. Ponomarev, K. Mikkola, A. Nikula, E. Patova, P. D. Crittenden, S. D. Young and T. Ingold // Ambio Vol. 35, No. 5, 2006. – P. 220 – 228.</p> <p>Walker T.R., Crittenden P.D., Dauvalter V.A., Jones V., Kuhry P., Loskutova O., Mikkola K., Nikula A., Patova E., Ponomarev V., Pystina T., Ratti O., Solovieva N., Stenina A., Virtanen T., Young S.D. Multiple indicators of human impacts on the environment in the Pechora Basin, north-eastern European Russia // Ecological indicators, 2009. – Vol. 9, № 4. – P. 765-779.</p> <p>Soegaard, Kiepe, Friborg, Patova, Zagirova, Crill, Martikainen, Repo. The temperature dependence of soil respiration in tundra and taiga ecosystems of Northern European Russia. 7-2010 (Journal of Geophysical Research – Biogeosciences) (in print)</p>					
Scientific keywords	<input checked="" type="checkbox"/> Greenhouse gases CO ₂ , CH ₄	<input checked="" type="checkbox"/> Carbon balance of the disturbed tundra	<input checked="" type="checkbox"/> Peat plateau thermokarst complexes	<input checked="" type="checkbox"/> Vegetative community transformation	<input checked="" type="checkbox"/>
Participation in EU's Framework Programme projects (please include information about no more than 3 projects, the most relevant ones)				<input type="checkbox"/> YES <input type="checkbox"/> NO	



If yes: FP6-2005-Global-4, Global Change and Ecosystems		
Project(s) description	Title	Quantifying the carbon budget in Northern Russia: past, present and future
	Acronym	CARBO-North 036993
	Duration	42 months
	Web-site	http://www.carbonorth.net/
	Reference to the FP7 theme "Environment"	6.1 Climate Change, pollution and risks 6.1.1 Pressures on environment and climate
	Project brief description	CARBO-North aims at quantifying the carbon budget in Northern Russia across temporal and spatial scales. Activities address rates of ecosystem change, effects on the carbon budget (radiative forcing), and global climate and policy implications (Kyoto). Recent research on the impacts of climate change in high latitude regions has mostly assessed the 'equilibrium' response of ecosystems, for instance what is the 'potential' location of the arctic treeline or the southern limit of permafrost under conditions of global warming. However, transient responses are of much greater importance from a policy perspective. How quickly will the arctic treeline migrate? How quickly will permafrost thaw? How quickly will enhanced soil organic matter decay result in increased greenhouse gas emissions and leaching? Different time lags in these processes will cause significant deviations from equilibrium response. Proposed field study areas in Northeast European Russia are characterized by gradual lowland transitions in vegetation and permafrost conditions. Dedicated climate models will provide requested variables and time slices as input to ecosystem studies. Analyses will be conducted to assess the sensitivity of climate model output to a suite of land cover, ground and permafrost schemes. Proxy data will be used to evaluate rates of ecosystem change under past climatic changes. The present environment will be studied from the plot to landscape scales with a variety of approaches, including assessments of human-induced and natural disturbances. Detailed monitoring and mapping of vegetation, soil and permafrost will provide input for process oriented studies (treeline patch dynamics; tundra, forest, and river carbon fluxes; ground subsidence, etc.) and GIS-based upscaling to regional levels. Results are used for integrated ecosystem modeling, calculation of net radiative effects and assessment of the sensitivity of climate model predictions to transient environmental changes.
Activities performed	<input checked="" type="checkbox"/> Research and Technological Development <input type="checkbox"/> Management <input type="checkbox"/> Training <input type="checkbox"/> Demonstration <input type="checkbox"/> Coordination <input type="checkbox"/> Support <i>Please specify:</i>	
Participation in other European programmes projects <i>(please include information about no more than 3 projects, the most relevant ones)</i>		<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
If yes: Environment Programme, European Commission Contract No. ENV4-CT97-0522		
Project(s) description	Title	Tundra Degradation in the Russian Arctic
	Acronym	TUNDRA
	Duration	36 months
	Web-site	http://kaares.ulapland.fi/home/arktinen/tundra/tundra.htm
	Reference to the FP7 theme "Environment"	<i>(please insert its area/sub-area number and title - see the table "COMPETENCES")</i> 6.1.1 Pressures on environment and climate
	Project brief description	The main focus is to assess global change feedbacks to the climate system through changes in greenhouse gas emissions and in freshwater runoff from the Usa Basin in the East-European Russian Arctic, taking into account climatic, pollution and societal forcings. This is a multidisciplinary research effort that involves climatologists, terrestrial and freshwater ecologists and paleoecologists, hydrologists, pollution specialists and social anthropologists. A multi-proxy record of environmental variability over the last 2000 years will be established based on the analysis of treeline-, wetland-, permafrost-, lake- and river-dynamics.
Activities performed	<input type="checkbox"/> Research and Technological Development <input type="checkbox"/> Management <input type="checkbox"/> Training <input type="checkbox"/> Demonstration <input type="checkbox"/> Coordination <input type="checkbox"/> Support <i>Please specify:</i>	
Participation in relevant Russian projects <i>(please include information about no more than 3 projects, the most relevant ones)</i>		<input type="checkbox"/> YES <input type="checkbox"/> NO



If yes: Program of Presidium Russian Academy of Science			
Project(s) description	Title	Estimation of greenhouse gas fluxes and balance in the tundra peat plateau thermokarst complex in conditions of oil extracting on an example Northeast European cryogenic systems	
	Acronym		
	Duration	36 month	
	Web-site		
	Reference to the FP7 theme “Environment”	6.1 Climate Change, pollution and risks	
	Project brief description	Comparative study CO ₂ and CH ₄ fluxes at the clean and impact microsites of wetland and polygonal tundra. Collection and accumulation comparative data at the mosaic on the structure and degree disturbance tundra phytocenoses for estimation their participation in CO ₂ and CH ₄ exchange between the atmosphere and the vegetation, Estimation degree of change gas fluxes of the microsites under the influence of type of impact factors.	
Activities performed	<input type="checkbox"/> Research and Technological Development <input type="checkbox"/> Demonstration	<input type="checkbox"/> Management <input type="checkbox"/> Coordination	<input type="checkbox"/> Training <input type="checkbox"/> Support
<i>Please specify:</i>			

INTEREST IN FP7 OPEN CALLS

Call identifier*	Simulation of carbon dioxide and methane fluxes related to disturbances at the taiga and tundra ecosystems of the Russian north-west		
Topic(s) number*	6.1 Climate Change, pollution and risks 6.1.1 Pressures on environment and climate		
Call Deadline*			
Role in the project*	<input type="checkbox"/> Coordinator <input type="checkbox"/> Partner		
Type of suggested activities*	<input type="checkbox"/> RTD <input type="checkbox"/> Demonstration	<input type="checkbox"/> Training <input type="checkbox"/> Coordination	<input type="checkbox"/> Support <input type="checkbox"/> Management

Project proposal (for coordinators)/Expertise offered (for partners)* (max 500 words):

Simulation of carbon dioxide and methane fluxes related to disturbances at the taiga and tundra ecosystems of the Russian north-west. Comparative study CO₂ and CH₄ fluxes at the clean and impact microsites of wetland and polygonal tundra and taiga. Collection and accumulation comparative data at the mosaic on the structure and degree disturbance tundra phytocenoses for estimation their participation in CO₂ and CH₄ exchange between the atmosphere and the vegetation. Estimation degree of change gas fluxes of the microsites under the influence of type of impact factors. Compare radiative forces related to carbon dioxide and methane fluxes from forest and/or tundra fires and from the mechanical damage of land cover from oil and gas extraction industry during last 20 - 30 years.

For coordinators: please describe the partner(s) you look for

Partners for up scaling and climate-ecosystem modeling for simulation of carbon dioxide and methane fluxes related to disturbances at the taiga and tundra ecosystems.
The modeling partners for optimize the use of field data and process studies in greenhouse gas fluxes under climate change, permafrost degradation, anthropogenic impact changing models. (University of Leeds)



E-URAL “European Union and Russia link for S&T co-operation in the area of the Environment”

Organization Name*		Institute of North's ecology problems	
Department/Unit*		Laboratory of fresh-water and sea ecosystems	
Head of Department / Unit (Name, Title)*		The candidate of sciences Vorob'eva Taisia Yarkievna	
Contact person (name, position in organization, title (Mr/Mrs/Dr or other)*)		Mrs Natalia Valerievna Shorina	
E-Mail*		nvshorina@yandex.ru	
Phone (country code – city code – number)*		(8182) 21-53-95	
Fax (country code – city code – number)			
Web-site			
Organisation type		<input type="checkbox"/> University <input type="checkbox"/> SME <input type="checkbox"/> Consultancy <input type="checkbox"/> Research Centre <input type="checkbox"/> Large Company <input type="checkbox"/> Public Administration	
(!)Organization Address*		163002, Arkhangelsk, street Quay Northern Dvina 109	
Country*		Russia	
Russian Federal District		<input type="checkbox"/> Centre <input type="checkbox"/> South <input type="checkbox"/> Siberia <input type="checkbox"/> Far-East <input type="checkbox"/> Northwest <input type="checkbox"/> Ural <input type="checkbox"/> Volga	
Competences in FP7 Theme “Environment (Including Climate Change)”		6.1.1.3 The Global Carbon Cycle - greenhouse gas budgets 6.2.1.2 Water resources 6.2.2.1 Marine resources 6.3.1.1 Water 6.3.1.4 Clean technologies 6.3.1.6 Marine environment 6.4.1 Earth and ocean observation systems and monitoring methods for the environment and sustainable development 6.4.1.2 Cross-cutting research activities relevant to GEO	
Participation in other European programmes projects <i>(please include information about no more than 3 projects, the most relevant ones)</i>		<input type="checkbox"/> YES <input type="checkbox"/> NO	
If yes:			
Project(s) description	Title	Russian – Norwegian Cleaner Production Programme	
	Acronym		
	Duration	240 hours	
	Web-site	www.Tecna.no	
	Reference to the FP7 theme “Environment”	<i>(please insert its area/sub-area number and title - see the table “COMPETENCES”)</i>	
	Project brief description	<i>Working out of ecological technology saving up resources with reference to the enterprise.</i>	
	Activities performed	<input type="checkbox"/> Research and Technological Development <input type="checkbox"/> Management <input type="checkbox"/> Training <input type="checkbox"/> Demonstration <input type="checkbox"/> Coordination <input type="checkbox"/> Support <i>Please specify:</i>	
Participation in relevant Russian projects <i>(please include information about no more than 3 projects, the most relevant ones)</i>		<input type="checkbox"/> YES <input type="checkbox"/> NO	
Description of other previous and present experience in International Cooperation (max. 10 lines) The Russian-Finland training education's programme “Clean Production” in Oulu's University.			



Organization Name*	Ural Division of Russian Academy of Sciences (UD RAS)		
Department/Unit*	Institute of Plant and Animal Ecology Ural Division of Russian Academy Sciences (IPAE UD RAS)		
Head of Department / Unit (Name, Title)*	Director of the Institute of Plant and Animal Ecology (IPAE) Academician Bolshakov Vladimir Nikolaevich		
Contact person (name, position in organization, title (Mr/Mrs/Dr or other)*	Mrs/Dr. Elena Alexandrovna Kuzmina, Secretary of Foreign Affairs, scientific researcher		
E-Mail*	Elena.kuzmina@ipae.uran.ru		
Phone (country code – city code – number)*	+7(343)260-82-55; +7(343)260-82-56		
Fax (country code – city code – number)	+7(343)260-65-00; +7(343)260-82-56		
Web-site	www.ipae.uran.ru		
Organisation type	<input type="checkbox"/> University <input type="checkbox"/> Research Centre	<input type="checkbox"/> SME <input type="checkbox"/> Large Company	<input type="checkbox"/> Consultancy <input type="checkbox"/> Public Administration
(!)Organization Address*	620144 Ekaterinburg, 8 Marta St., 202		
Country*	Russian Federation		
Russian Federal District	<input type="checkbox"/> Centre <input type="checkbox"/> Far-East	<input type="checkbox"/> South <input type="checkbox"/> Northwest	<input type="checkbox"/> Siberia <input type="checkbox"/> Ural <input type="checkbox"/> Volga
Competences in FP7 Theme “Environment (Including Climate Change)”	6.1.1.2 Emissions and pressures: Natural and anthropogenic 6.1.1.5 Climate change natural and socio-economic impacts 6.2 Sustainable management of resources 6.2.1.4 Biodiversity 6.3.1.5 Built environment 6.4.2.1 Tools for impact assessment		
spheres, which are not listed above, related to your competences and can be of common EU-Russia cooperation interest in Environment	Northern Eurasia ecosystems structure, functioning and climate palaeoreconstructions during the last 20-30 thousand years		
Short description of the organization/department/research team* (max 12 lines): Scientific structural department of the IPAE UD RAS consist of 13 laboratories and 2 subdivisions: Biophysical Station in Zarechny; Ecological Center in Labytnangi. Collective of the Institute counts 294 collaborators including 193 scientific researchers: 1 academician of RAS; 1 corresponding member of RAS; 31 Doctors of Sciences and 103 Candidates of Sciences (PhD).			
Publications (other references) (max 10): IPAE’s collaborators marked with italic type 1. <i>Bolshakov V. N.</i> Effect of landscape alteration on the dynamics of mammal communities / <i>Vladimir N. Bolshakov, Nikolai S. Korytin</i> // Beitrage zur Jagd- und Wildforschung / Gesellschaft fur Wildtier- und Jagdforschung e. V. ; Herausgeber Dr. Michael Stubbe. - Halle/Saale. - Bd. 32: Fragmentierung der Landschaft und andere anthropogene Einflusse auf Wildtierpopulationen. - S. 251-256. - ISSN 1436-3895. 2. <i>Golovachev I. B.</i> The Late Pleistocene and Holocene rodents of the Pre-Urals subarctic / <i>Ilya B. Golovachov, Nikolay G. Smirnov</i> // Quaternary International. - 2009. - Vol. 201, Issues 1/2 : Quaternary data from the Southern Urals region / Ed. by Thijs van Kolfschoten and Guzel Danukalova. - P. 37-42. - ISSN 1040-6182. 3. Pleistocene to holocene extinction dynamics in giant deer and woolly mammoth / A. J. Stuart, <i>P. A. Kosintsev</i> , T. F. G. Higham, A. M. Lister // Nature. - 2004. - Vol. 431, N. 7009. - P. 684-689. 4. <i>Khokhutkin I.M.</i> et al. Biodiversity and ecology of hydrobionts in the natural and anthropogenic landscapes / <i>I.M. Khokhutkin, L.A. Kovalchuk and L.V. Chernaya</i> // Biodiversity research developments / Raymund I. Veritas, ed.-New York: Nova Sci. Publ., 2008.-Chap. 1. - P. 1-19. 5. Influence of environmental factors on the local-scale distribution of cyanobacterial lichens : case study in the North Urals, Rusia / <i>Irina Mikhailova, Marina Trubina, Eugene Vorobeichik, Christoph Scheidegger</i> //Folia Cryptog. Estonica, Fasc. -. - Vol. 41. - P. 45-54. - ISSN 1736-7786. 6. Kotiranta H. Polypore (Aphyllophorales, Basidiomycetes) studies in Russia. 2. Central Urals / Heikki Kotiranta, <i>Nadya Ushakova, Victor A. Mukhin</i> // Annales Botanici Fennici. - - Vol. 44. - P. 103-127. - ISSN 0003-3847. 7. Expanding forests and changing growth forms of Siberian larch at the Polar Urals treeline during the 20th century / <i>N. Devi, F. Hagedorn, P. Moiseev, H. Bugmann, S. Shiyatov, V. Mazepa, A. Rigling</i> // Global Change Biology. -. - Vol. 14, Issue 7. - P. 1581-1591. - ISSN 1365-2486. 8. Radionuclides in terrestrial ecosystems of the zone of Kyshtym accident in the Urals / <i>V.N. Pozolotina, I.V. Molchanova, E.N. Karavaeva, L.N. Mikhaylovskaya, E.V. Antonova</i> // Journal of Environmental Radioactivity.-2010.-Vol. 101, iss. 6. - P. 438-442.-ISSN 0265-931. 9. RAPD-derived, PCR-based mitochondrial markers for Larix species and their usefulness in phylogeny / <i>V.L. Semerikov, G.G. Vendramin, F. Sebastiani, M. Lascoux</i> // Conservation Genetics. - - Vol. 7, N 4. - P. 621-625. - ISSN 1566-0621.			



10. Yarushina M.I. et al. Ural River Basin / Margarita I. Yarushina, Tatjana V. Eremkina, Klement Tocker // Rivers of Europe / Dep. of Limnology, EAWAG; Eds.: K. Tockner, U. Uehlinger, Ch. T. Robinson.-London: Academic Press, 2008.- Chap. 18. - P. 673-684.					
Scientific keywords	Ecosystems	Biodiversity	Mechanisms of stability	Ecological monitoring	Palaeoecology
Participation in EU's Framework Programme projects <i>(please include information about no more than 3 projects, the most relevant ones)</i>				<input type="checkbox"/> YES	<input type="checkbox"/> NO
If yes:					
Project(s) description	Title	1) INTAS project for young scientists № 04-83-3788 “Climate change influence on growth dynamics of different forms of Siberian larch at the Polar Urals” 2) BIOSTRAT project №036847 “Developing the European biodiversity research strategy”			
	Acronym	1)INTAS 2)BIOSTRAT			
	Duration	1) 2005-2007 2) 2006-2009			
	Web-site	-			
	Reference to the FP7 theme “Environment”	<i>(please insert its area/sub-area number and title - see the table “COMPETENCES”)</i> 1) 6.1/6.1.1.5. Climate change natural and socio-economic impacts; climate palaeoreconstructions 2) 6.2/6.2.1.4 Biodiversity			
	Project brief description	1) The main goal of the project is to study climatogenic mechanisms of structural adaptation and variety development of Siberian larch life forms at the upper limit of spreading in the mountains of the Polar Urals and also its production estimates depending on environmental change. 2) Effective strategy variants of biodiversity research and preservation at the urbanized territories and in marine environments were assumed in this project. The most effective examples of national platforms for biodiversity support were studied. Paths of making indivisible system of ecological monitoring for EU countries were discussed as well as methods of realization of these resolutions on the governmental level.			
	Activities performed	<input type="checkbox"/> Research and Technological Development <input type="checkbox"/> Demonstration	<input type="checkbox"/> Management <input type="checkbox"/> Coordination	<input type="checkbox"/> Training <input type="checkbox"/> Support	<i>Please specify:</i> 2 laboratories made scientific investigations
Participation in other European programmes projects <i>(please include information about no more than 3 projects, the most relevant ones)</i>				<input type="checkbox"/> YES	<input type="checkbox"/> NO
If yes:					
Project(s) description	Title	Netherlands Organization for Scientific Research (NWO) project № 047.009.004 “The evolution of mammalian fauna and flora in Western, Central and Eastern Europe during the Pleistocene-Holocene transition (24-8 kyr.B.P.)”			
	Acronym	NWO			
	Duration	2001-2004			
	Web-site	-			
	Reference to the FP7 theme “Environment”	<i>(please insert its area/sub-area number and title - see the table “COMPETENCES”)</i> 6.1/6.1.1.5 Climate change natural and socio-economic impacts 6.2/6.2.1.4 Biodiversity Northern Eurasia ecosystems structure, functioning and climate palaeoreconstructions during the last 20-30 thousand years			
	Project brief description	Mammal assemblages, vegetation communities and ecosystems of Europe during the Pleistocene-Holocene transition were investigated. Detailed reconstructions were made on palaeobiological data united in databases with the help of mathematic methods. Reconstructions were made for five most successful time intervals. Collective monograph (556 pages) “Evolution of European ecosystems during Pleistocene-Holocene transition (24-8 kyr BP)” was published in Russian language as a result of the project.			
	Activities performed	<input type="checkbox"/> Research and Technological Development <input type="checkbox"/> Demonstration	<input type="checkbox"/> Management <input type="checkbox"/> Coordination	<input type="checkbox"/> Training <input type="checkbox"/> Support	



		<i>Please specify:</i> 1 laboratory made scientific investigations	
Participation in relevant Russian projects <i>(please include information about no more than 3 projects, the most relevant ones)</i>		<input type="checkbox"/> YES	<input type="checkbox"/> NO
If yes:			
Project(s) description	Title	Presidium Program of Russian Academy of Sciences “Biological Diversity”	
	Acronym	-	
	Duration	permanent	
	Web-site	-	
	Reference to the FP7 theme “Environment”	<i>(please insert its area/sub-area number and title - see the table “COMPETENCES”)</i> 6.1/6.1.1.2 Emissions and pressures: Natural and anthropogenic 6.2/6.2.1.4 Biodiversity 6.3/6.3.1.5. Built environment 6.4/6.4.2.1. Tools for impact assessment	
	Project brief description	The goal of the investigations is to estimate biota stability to antropogenic and natural climatic factors of environment. Detailed analyses of biological diversity of terrestrial and water communities (animals and plants) in contrast habitats of the Urals and adjacent territories are taking place. Particular investigations are focused on the biological diversity and functioning characters of terrestrial ecosystems on the areas with prolonged toxic load (e.g. industrial pollution).	
Activities performed	<input type="checkbox"/> Research and Technological Development	<input type="checkbox"/> Management	<input type="checkbox"/> Training
	<input type="checkbox"/> Demonstration	<input type="checkbox"/> Coordination	<input type="checkbox"/> Support
	<i>Please specify:</i> The Presidium Program consists of few projects in which 8 laboratories are making investigations.		
Description of other previous and present experience in International Cooperation (max. 10 lines) IPAE UD RAS actively collaborates with European colleagues. Our scientists took part in: at about 5 INTAS projects; 1 project of ISTC; 3 projects provided by NOW; 2 GLORIA projects; SCOPES grant’s programme of Swiss National Science Foundation; grants supported by Research Council of Norway and by Academy of Finland; projects supported by Royal Society of London for the Improvement of Natural Knowledge. Few persons won scholarships of German Academic Exchange Service (DAAD). The Institute conducts research on mutual programs with foreign teams, welcomes students and researchers of other nations and participates in international meetings, expeditions and conferences.			

INTEREST IN FP7 OPEN CALLS

(if interested in several FP7 Environment theme calls please copy and fill in the below table for each of them)

Call identifier*	1) 6.1.1.2.Emissions and pressures: Natural and anthropogenic 2) 6.1.1.5.Climate change natural and socio-economic impacts 3) 6.2.Sustainable management of resources 4) 6.2.1.4 Biodiversity 5) 6.3.1.5Built environment 6) 6.4.2.1Tools for impact assessment Populations, Ecosystems, Biodiversity, Ecological Monitoring, Mechanisms of ecosystem’s Stability, Ecotoxicology, Industrial Pollution, Radioecology, Palaeoecology		
Topic(s) number*			
Call Deadline*	Projects from 2010 till 2013 (including)		
Role in the project*	<input type="checkbox"/> Coordinator <input type="checkbox"/> Partner		
Type of suggested activities*	<input type="checkbox"/> RTD <input type="checkbox"/> Demonstration	<input type="checkbox"/> Training <input type="checkbox"/> Coordination	<input type="checkbox"/> Support <input type="checkbox"/> Management
Project proposal (for coordinators)/Expertise offered (for partners)* (max 500 words): We are looking for scientific research projects.			



Organization Name*		Institute of Ecological Problems in the North, Ural Division, Russian Academy of Sciences			
Department/Unit*		Department of Earth Sciences			
Head of Department / Unit (Name, Title)*		Yudakhin Felix Nikolaevich, Doctor of Geology			
Contact person (name, position in organization, title (Mr/Mrs/Dr or other)*		Malov Alexander Ivanovich, Chief Scientific Collaborator, Doctor of Geology			
E-Mail*		malovai@yandex.ru			
Phone (country code – city code – number)*		7-8182-664837			
Fax (country code – city code – number)		7-8182-287636			
Web-site		http://www.iepn.ru/			
Organisation type		<input type="checkbox"/> University <input checked="" type="checkbox"/> Research Centre		<input type="checkbox"/> SME <input type="checkbox"/> Large Company	
(!)Organization Address*		Naberezhnaya Severnoi Dviny, 23, Arkhangelsk, 163061			
Country*		Russia			
Russian Federal District		<input type="checkbox"/> Centre <input type="checkbox"/> Far-East		<input type="checkbox"/> South <input checked="" type="checkbox"/> Northwest	
				<input type="checkbox"/> Siberia <input type="checkbox"/> Ural <input type="checkbox"/> Volga	
Competences in FP7 Theme “Environment (Including Climate Change)”		6.2.1.2 Water resources 6.3.1.1 Water			
Spheres, which are not listed above, related to your competences and can be of common EU-Russia cooperation interest in Environment		Uranium isotopes in the Groundwater Water-Rock Interaction The Role of Exogenic Groundwaters in Kimberlite Formations			
Short description of the organization/department/research team* (max 12 lines):					
<p>The basic directions of scientific activity of Institute of Ecological Problems in the North: Complex estimation of environmental problems of the European North of Russia and adjoining Arctic water areas. Deep structure, geodynamics, seismicity and mineral resources northern territories of the Earth. Scientific bases of development and rational use of mineral resources and renewed vegetative raw material.</p>					
Publications (other references) (max 10):					
<ol style="list-style-type: none"> 1. A.I. Malov. The Magnesium in the Brine in the Mezen Syncline, as Indicator of Kimberlites Magmatism. Doklady Earth Sciences. 2001. Vol. 377. No. 2, pp. 225-228. 2. A.I. Malov. Brine Formation in the Mezen Syncline. Water Resources. 2001. Vol. 28. No. 6, pp. 677-683. 3. A.I. Malov. Primary Composition of Vendian Rocks of the Mezen Syncline. Doklady Earth Sciences. 2003. Vol. 392, No.4. pp. 512-516. 4. A.I. Malov. Groundwaters of the Southeastern White Sea Region. Ekaterinburg. Ural Division, Russian Academy of Sciences, 2003, 234 p. 5. A.I. Malov. The Role of Exogenic Groundwaters in Kimberlite Formations. Doklady Earth Sciences. 2004. Vol.395. No. 6. pp. 808 - 811. 6. A.I. Malov. Water-Rock Interaction in Vendian Sandy-Clayey Rocks of the Mezen Syncline. Lithologi and Mineral Resources. No. 39 (4). P. 345 – 356. July – August, 2004. 7. A.I. Malov. Ecological Functions of the Groundwaters. Ekaterinburg. Ural Division, Russian Academy of Sciences, 2004, 168 p. 8. A.I. Malov, G.P. Kiselev, G.P. Rudik. Uranium in the Groundwater of the Mezen Syncline. Doklady Earth Sciences, 2008. Vol. 421A. No. 6, pp. 965–968. Pleiades Publishing, Ltd., 2008. 9. A.I. Malov, G.P. Kiselev. Uranium in the Groundwater of the Mezen Syncline. Ekaterinburg. Ural Division, Russian Academy of Sciences, 2008, 238 p. 10. A.I. Malov, G.P. Kiselev, G.P. Rudik, S.B. Zykov. Uranium isotopes in the Groundwater of the Vend of the Mezen Syncline. Water Resources, 2009. Vol. 36. No. 6, pp. 682–691. Pleiades Publishing, Ltd., 2009. 					
Scientific keywords	Groundwaters Formation	Hydrogeo-chemistry	Water-Rock Interaction	Migration of chemical elements	Uranium isotopes
Participation in EU’s Framework Programme projects <i>(please include information about no more than 3 projects, the most relevant ones)</i>				<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	
Participation in other European programmes projects <i>(please include information about no more than 3 projects, the most relevant ones)</i>				<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	



Participation in relevant Russian projects <i>(please include information about no more than 3 projects, the most relevant ones)</i>	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
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INTEREST IN FP7 OPEN CALLS

Call identifier*	6.3.1 Environmental technologies for observation, simulation, prevention, mitigation, adaptation, remediation and restoration of the natural and man-made environment		
Topic(s) number*	6.3.1.1 Water		
Call Deadline*	2010-2012		
Role in the project*	<input type="checkbox"/> Coordinator <input checked="" type="checkbox"/> Partner		
Type of suggested activities*	<input checked="" type="checkbox"/> RTD <input type="checkbox"/> Demonstration	<input type="checkbox"/> Training <input type="checkbox"/> Coordination	<input type="checkbox"/> Support <input type="checkbox"/> Management

Project proposal (for coordinators)/Expertise offered (for partners)* (max 500 words):

Formation of radioactive waters in the Baltic Shield and Mezen Syncline junction.

For living organisms, water is a vital “strategic” component, which maintains their vital activity; herefore, water chemistry determines the quality of human life. Groundwater quality often does not meet the requirements of Public Health Regulations. In particular, alpha-activity deviations from the Russia standard, established at 0.1 Bq/dm³, can be met.

According to our studies of groundwater isotope composition in the Mezen syncline (Arkhangelsk region, Russia), elevated (up to 2.6 Bq/dm³) values of the alpha-activity of U isotopes were found in groundwater of the waterbearing complex of sandstones of the Padun suite of the Vend (Vpd) in the northwestern marginal part of the syncline bordering with the Baltic sheet. This water is also characterized by high (up to 7.2 or even higher) values of ratios between ²³⁴U and ²³⁸U activities.

The mineral and fresh waters confined to the water-bearing complex of Vend sandstones are used for drinking and balneological purposes.

The distribution of U isotopes in the Vend groundwater is uneven and follows some regularities. Higher activities of U isotopes were recorded in hydrocarbonate freshwater on watersheds in the regions of occurrence of red Vend sandstones, Fe concentrations being minimal. The lowest activities of U isotopes and the highest Fe concentrations are typical of mineralized water under paleovalleys. The highest activities of U isotopes were recorded in the zones of hydrocarbonate freshwater intrusion into mineralized water on paleovalleys’ slopes.

The widespread formation of radioactive water below 50-150 m presents a problem for its using. This problem is aggravated by the fact that the deep-seated water is best protected against anthropogenic pollution, that is, the most “ecologically pure”.



E-URAL “European Union and Russia link for S&T co-operation in the area of the Environment”

(!)Organization Name*		Northern Research Institute of Forestry	
(!)Department/Unit*		Laboratory of taiga forest and biodiversity/ forestry sector and forest science	
(!)Head of Department / Unit (Name, Title)*		Prof., Dr. of agricultural sciences Tarakanov Anatoly / Vyalix Nikolay PhD of agricultural sciences	
(!)Contact person (name, position in organization, title (Mr/Mrs/Dr or other)*		Zaharov Andrey	
E-Mail*		<u>AndreyZaharov29@yandex.ru</u>	
Phone (country code – city code – number)*		+7 906-282-52-93	
Fax (country code – city code – number)		–	
Web-site		–	
Organisation type		<input type="checkbox"/> University <input type="checkbox"/> SME <input type="checkbox"/> Consultancy <input checked="" type="checkbox"/> Research Centre <input type="checkbox"/> Large Company <input type="checkbox"/> Public Administration	
(!)Organization Address*		13, Nikitov street, Arkhangelsk, Russian Federation	
Country*		Russian Federation	
Russian Federal District		<input type="checkbox"/> Centre <input type="checkbox"/> South <input type="checkbox"/> Siberia <input type="checkbox"/> Far-East <input checked="" type="checkbox"/> Northwest <input type="checkbox"/> Ural <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Volga	
Competences in FP7 Theme “Environment (Including Climate Change)”		6.2 Sustainable management of resources 6.2.1 Conservation and sustainable management of natural and man-made resources and biodiversity 6.2.1.6 Integrated forest research	
Spheres, which are not listed above, related to your competences and can be of common EU-Russia cooperation interest in Environment		Sustainable forest management; intermediate use of forest resources, and methods to improve the growth of forest plantations	
Short description of the organization/department/research team* (max 12 lines):			
Our sector has been studying the taiga forest management, including felling, intermediate use, care for timber and recreation			
Participation in EU’s Framework Programme projects <i>(please include information about no more than 3 projects, the most relevant ones)</i>		<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	
Participation in other European programmes projects <i>(please include information about no more than 3 projects, the most relevant ones)</i>		<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	
Participation in relevant Russian projects <i>(please include information about no more than 3 projects, the most relevant ones)</i>		<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	



(!)Organization Name*		Northern Research Institute of Forestry	
(!)Department/Unit*		Administration. Sector of Biodiversity	
(!)Head of Department / Unit (Name, Title)*		Dr. Sergey Yaroslavtsev	
(!)Contact person (name, position in organization, title (Mr/Mrs/Dr or other)*		Dr. Natalia Demidova, Deputy Director on Sciences	
E-Mail*		forestry@ptl-arh.ru	
Phone (country code – city code – number)*		+7 8182 61 26 79	
Fax (country code – city code – number)		+7 8182 61 25 78	
Web-site		www.sevniilh.ru	
Organisation type		<input type="checkbox"/> University <input type="checkbox"/> SME <input checked="" type="checkbox"/> Research Centre <input type="checkbox"/> Large Company <input type="checkbox"/> Consultancy <input type="checkbox"/> Public Administration	
(!)Organization Address*		Nikitov St., 13, Arkhangelsk, 163062	
Country*		Russian Federation	
Russian Federal District		<input type="checkbox"/> Centre <input type="checkbox"/> South <input type="checkbox"/> Siberia <input type="checkbox"/> Far-East <input checked="" type="checkbox"/> Northwest <input type="checkbox"/> Ural <input type="checkbox"/> Volga	
Competences in FP7 Theme “Environment (Including Climate Change)”		6.1 Climate Change, pollution and risks 6.1.1 Pressures on environment and climate 6.1.1.1 The Earth System and Climate: Functioning and abrupt changes 6.1.1.5 Climate change natural and socio-economic impacts 6.2 Sustainable management of resources 6.2.1 Conservation and sustainable management of natural and man-made resources and biodiversity 6.2.1.3 Soil research and desertification 6.2.1.4 Biodiversity 6.2.1.6 Integrated forest research 6.2.2 Management of marine environments	
Short description of the organization/department/research team* (max 12 lines):			
<p>Northern Research Institute of Forestry (NRIF) is a Federal State Institution under the Federal Forest Agency of the Russian Federation (ROSLESHOZ). It was established in 1958. The institute is situated in Arkhangelsk. The sphere of the Institute activity is the Northern economic area (Murmansk, Arkhangelsk and Vologda regions, Komi Republic). The NRIF is responsible for forest research on the Russian European North. The main directions of research are: forest management; natural and artificial regeneration; methods of forest harvesting; forest taxation; biodiversity conservation; forest policy matters; pre-tundra silviculture; monitoring of northern forests; tree species introduction; forest genetics and breeding; forest ecology; non-wood forest products; forest certification; forest land remediation; Model Forests development; international co-operation in forestry; forest ecological exploitation in conditions of intensive anthropogenous influence; boreal forests in changing climate; carbon cycle in boreal forests.</p>			
Publications (other references) (max 10):			
<ol style="list-style-type: none"> Natalia Demidova, Hu Jianzhong. 2007. Handbook on Sea buckthorn cultivation and harvesting. Part of the Sea Buckthorn Manual (EAN-SEABUCK project, 6FP). 23 p. (in Russian and in English). Natalia Demidova, 2009. Review on Sea Buckthorn Research in the Russian Federation and New Independent States (NIS). Proceeding of the 3rd International Sea Buckthorn Association Conference. Quebec City, Canada, August 12-16, 2007. Laval University, Canada. P.9-30. _N. Demidova,_N. Kondratyeva, T. Durkina. 2008. Collection of Larch species in the Dendrological Garden Northern Research Institute of Forestry. AGTU, Arkhangelsk (in Russian). 97-104. Ogibin B.N., Demidova N.A._2009. Succession dynamics of natural spruce stands on the watershed of Severnaya Dvina – Pinega Rivers in Arkhangelsk region. METLA, Finland (in Russian). 108-113. N. Demidova, W. Letchamo. 2008. Sea buckthorn (<i>Hippophae rhamnoides</i> L.) in North America. NSHA, Nizhnyi Novgorod. (in Russian).173-178. N. Demidova, 2008. Northern Research Institute of Forestry: Main Successes of Forest science and Practice. In the book: 50 anniversary of NRIF. Arkhangelsk, ASTU. 23-50. Pekka Alhojarvi. Tuomo Alhojarvi, Natalia Demidova,_2009. Integrated approach for certifying forests, non-wood forest products and forest based tourism, some examples from Finland and the Russian Federation. In Proceeding of the International seminar: Ecological Tourism: Trends and Perspectives of Development in the Global World”, St.Petersburg, Russia. 3-6. Tuija Sievanen, Natalia Demidova_and Natalia Vasilevskaya. 2009. Discussion on needs to develop research on nature-based recreation and tourism in Northwest Russia. In Proceeding of the International seminar: Ecological Tourism: 			



Trends and Perspectives of Development in the Global World”, St.Petersburg, Russia. 9-11.
 9. Natalia Demidova. 2009. Development of international co-operation on sea buckthorn research: role of ISA, experience and prospects. Proceeding of the 4th International Sea Buckthorn Association Conference «Sea buckthorn on the way between science and industry interaction». Barnaul. P. 193-195.
 10. Craig D Allen, Ph.D.; Alison K Macalady, Ph.D. candidate; Haroun Chenchouni, Ph.D.; Dominique Bachelet, Ph.D.; Nate McDowell, Ph.D.; Michel Vennetier, Ph.D.; Thomas Kitzberger, Ph.D.; Andreas Rigling, Ph.D.; David D Breshears, Ph.D.; E. H Hogg, Ph.D.; Patrick Gonzalez, Ph.D.; Rod Fensham, Ph.D.; Zhen Zhang, Ph.D.; Jorge Castro, Ph.D.; Natalia Demidova; Jong-Hwan Lim, Ph.D.; Gillian Allard; Steven W Running, Ph.D.; Akkin Semerci, Ph.D.; Neil Cobb, Ph.D. A. 2009. Global Overview of Drought and Heat-Induced Tree Mortality Reveals Emerging Climate Change Risks for Forests. - Elsevier Editorial System(tm) for Forest Ecology and Management. USA. 2010. 259:660–684.

Scientific keywords	<input checked="" type="checkbox"/> Biodiversity	<input checked="" type="checkbox"/> Tree Species Introduction	<input checked="" type="checkbox"/> boreal forests	<input checked="" type="checkbox"/> Sea buckthorn	<input checked="" type="checkbox"/> Climate Change Risks for Forests
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Participation in EU’s Framework Programme projects <i>(please include information about no more than 3 projects, the most relevant ones)</i>	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
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If yes:

Project(s) description	Title	Wood Bark and Peat Based Bioactive Compounds, Speciality Chemicals, and Remediation Materials: from Innovations to Applications			
	Acronym	FORESTSPECS			
	Duration	2009-2011			
	Web-site	http://www.forestspecs.eu			
	Reference to the FP7 theme “Environment”	<i>(please insert its area/sub-area number and title - see the table “COMPETENCES”)</i> 6.3.1.2.			
	Project brief description	The overall objective of the ForestSpeCs project is to develop and encourage sustainable, environmentally responsible, and economically attractive management of natural resources based on side products from the forest and forest-based industries. The ultimate target of the project is to replace certain large-volume, oil based chemical materials with bio-renewable and innovative products based on wood-related residues and humic substances. The aim is to find feasible ways to produce high value added, bioactive compounds such as pharmaceuticals and biological plant protection products, as well as to develop new environmentally benign industrial chemicals and polymers. Furthermore, one of the main targets is to create economically attractive options for the total usage of processed wood and peat residues either as a whole, or after extraction of the main bioactive fractions, for example in soil remediation.			
Activities performed	<input checked="" type="checkbox"/> Research and Technological Development <input type="checkbox"/> Demonstration	<input type="checkbox"/> Management <input type="checkbox"/> Coordination	<input type="checkbox"/> Training <input type="checkbox"/> Support	<i>Please specify:</i>	

Participation in other European programmes projects <i>(please include information about no more than 3 projects, the most relevant ones)</i>	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
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If yes:

Project(s) description	Title	Establishment of European-Asian Network for the development of strategies to enhance the sustainable use of Sea Buckthorn			
	Acronym	EAN-SEABUCK			
	Duration	2005-2007			
	Web-site	http://www.eanseabuck.com/			
	Reference to the FP7 theme “Environment”	<i>(please insert its area/sub-area number and title - see the table “COMPETENCES”)</i> 6.2.1.3			



E-URAL “European Union and Russia link for S&T co-operation in the area of the Environment”

	Project brief description	The EAN-SEABUCK project is an initiative of the Sixth Framework Programme of the European Commission, aimed at establishing a European-Asian network for sustainable utilization of Sea Buckthorn. Improvement and exchange of knowledge between Europe and Asia in the field of Sea Buckthorn harvesting and processing. Achieve better product quality and safety which permits the attainment of international quality standards, thus making the obtained products available to the European market. Support healthy nutrition in the Asian and European population. Support of anti-erosion measures by incentives to care for Sea Buckthorn plantations.		
	Activities performed	<input type="checkbox"/> Research and Technological Development <input type="checkbox"/> Demonstration <i>Please specify:</i>	<input type="checkbox"/> Management <input type="checkbox"/> Coordination	<input checked="" type="checkbox"/> Training <input checked="" type="checkbox"/> Support
Participation in relevant Russian projects <i>(please include information about no more than 3 projects, the most relevant ones)</i>		<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO		
If yes:				
Project(s) description	Title	To work out the recommendations about forest land use for cultivation of forest fruit-berry plants (on the base of Arkhangelsk Region).		
	Acronym	no		
	Duration	2008-2009		
	Web-site	no		
	Reference to the FP7 theme “Environment”	<i>(please insert its area/sub-area number and title - see the table “COMPETENCES”)</i> 6.2.1.6		
	Project brief description			
	Activities performed	<input checked="" type="checkbox"/> Research and Technological Development <input type="checkbox"/> Demonstration <i>Please specify:</i>	<input type="checkbox"/> Management <input type="checkbox"/> Coordination	<input type="checkbox"/> Training <input type="checkbox"/> Support
Description of other previous and present experience in International Cooperation (max. 10 lines) July, 2008. Joint project with Food Development Centre (Manitoba, Canada) and Atlantic Cool Climate Crop Research Centre Agriculture and Agri-Food Canada That joint program presented a great opportunity for Canadian scientists, researchers and new product developers to obtain long-established Russian experience in Sea buckthorn cultivar identification, development, growing, harvesting and processing of value added products for health and cosmetic applications. Furthermore, it provided Russian researchers with the opportunity to meet Canadian businesses and companies that have market established products in international markets. The Project’s objectives include: facilitate cooperation and establish partnerships between Canadian and Russian research institutions in sea buckthorn research. 2006-2008. “Northern Coniferous Forests – Tools through research for the sustainable use of forests in the Barents Region”. EU Tacis – programme according to the Grant Contract between METLA, Ko and EU Commission’s Delegation in Moscow. The overall objective of this project was to apply cross-border joint research focusing on pristine forest areas in order to obtain in-depth knowledge supporting the sustainable use of forests in the Barents region and knowledge that can be applied in preventing conflicts related to the use of fragile sub-arctic northern forests.				



(!)Organization Name*	Federal Forest Agency Northern Research Institute of Forestry		
(!)Department/Unit*	Sector of forest protection		
(!)Head of Department / Unit (Name, Title)*	Surina Elena		
(!)Contact person (name, position in organization, title (Mr/Mrs/Dr or other)*	Surina Elena		
E-Mail*	ele_66@yahoo.com		
Phone (country code – city code – number)*	+78818-2-6800-51, +78818-2-61-79-55		
Fax (country code – city code – number)	+78818-2-6125-79		
Web-site	www.sevniilh.ru		
Organisation type	<input type="checkbox"/> University <input type="checkbox"/> Research Centre	<input type="checkbox"/> SME <input type="checkbox"/> Large Company	<input type="checkbox"/> Consultancy <input checked="" type="checkbox"/> Public Administration
(!)Organization Address*	Arkhangelsk. st.Nikitova,13		
Country*	Russia		
Russian Federal District	<input type="checkbox"/> Centre <input type="checkbox"/> Far-East	<input type="checkbox"/> South <input checked="" type="checkbox"/> Northwest	<input type="checkbox"/> Siberia <input type="checkbox"/> Ural <input type="checkbox"/> Volga
Competences in FP7 Theme “Environment (Including Climate Change)”	<p>6.1 Climate Change, pollution and risks 6.1.1 Pressures on environment and climate 6.1.1.3 The Global Carbon Cycle - greenhouse gas budgets 6.1.1.5 Climate change natural and socio-economic impacts 6.1.1.6 Response strategies: adaptation, mitigation and policies 6.2 Sustainable management of resources 6.2.1.1 Integrated resource management 6.2.1.2 Water resources 6.2.1.3 Soil research and desertification 6.2.1.4 Biodiversity 6.2.1.6 Integrated forest research 6.4.2.3 Interplay between social, economic and ecological systems</p>		
Spheres, which are not listed above, related to your competences and can be of common EU-Russia cooperation interest in Environment	<ul style="list-style-type: none"> The role of forest ecosystems in climate change. Carbon cycle, carbon storage, forest dynamic, economic and ecological estimation of forest in sequestration. Specific Environmental Aspects (areas of biological Importance, heritage sites), forest management, waste management et. al. The problems of forecasting the dynamic response of timber quality to management and environmental change – an integrated approach, effect of environmental changes of forestry, management of forest under various pressures, forest as a renewable source of energy and other goods and services, biodiversity, forest products trade analysis and analysis and modeling of the supply demand for timber and forest products. Natural forest programmer. Interesting to compare alternative approaches, analyze methodical strengths and weaknesses and estimate the uncertainties involved. Several methods exists to quantify carbon sources and sinks, each with its individual strengths and weakness, these methods include atmospheric inversion methods, eddy flux measurements, biogeochemical modeling. <p>The contents should include:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Description of alternative approaches: terms and definitions used, strengths, weakness of approaches. <input type="checkbox"/> Estimates of uncertainties associated with the various methods. <input type="checkbox"/> Analysis of the role of other greenhouse gases in ecosystems. <input type="checkbox"/> What are measures the reporting requirements Kyoto protocol. 		
Short description of the organization/department/research team* (max 12 lines):			
Investigatory communications of decline of forest woods in the Arkhangelsk area, including in connection with global warming of a climate. Studying anthropogenic influence on carbon balance forest ecosystems. «Ecological-economic estimation of forest ecosystems and their adaptation to changes of a climate» is directed to the Arkhangelsk area on improvement of an economic, social and ecological situation in region.			



Publications (other references) (max 10):

1. Surina E.A. The condition of forest stands and soils in recreation zone of northern underzone of taiga// Genesis, geography, anthropogenic changes and soil's fertility, VI Sibirzevskye readings: Thesis of reports XI Congress Russia Geographic Society, Arkhangelsk, 29-31 August, 2000-SPt, 2000 - Volume 6, P. 65-67.
2. Surina E.A. About carbon stocks in soils and peat of Arkhangelsk region// III Congress Docuchaev's society of soil scientists: Thesis of reports, Zuzdal, 11-15 July, 2000 - M, 2000 - P. 201-202.
3. Surina E.A. Anthropogenic changes in carbon balance in Arkhangelsk region// Thesis of reports III scientific conference, Apatitye, 5-6 April, 2000, Petrozavodsk's University, Apatitye, 2000- P. 45-46.
4. Surina E.A. The estimation of anthropogenic influence on the carbon balance of forest ecosystems Nyzgnee Podvin'e // Environment and ecological education: Materials of Russian scientific – practice conference, 21-22 February 2001-Penza, 2001- P.80-81.
5. Surina E.A. An anthropogenic dynamic of forests Nyzgnee Podvi'e// Pomori'e in Barents-region on the centuries' border: ecology, economy, culture: materials of international conference, Arkhangelsk, 20-24 June, 2000// Institute of ecological problems of North of the Urals branch of Russian Academy of Science – 2000, P. 220-221.
6. Surina E.A. The estimation of anthropogenic an influence of forest ecosystems of Isakogorskoe forestry// The ecological problems of North: Interinstitute publication of scientific materials/ Arkhangelsk state engineering university (ASEU)-2000-publication 3, P.54-56.
7. Surina E.A. The program of study of the changes in carbon cycle of North on the centuries' border, Materials international scientific – practice conference, Arkhangelsk, 13-15 July, 2000, SPt, 2000, том 8, P.258-259.
8. Surina E.A. The recreational loads and carbon cycle in forest ecosystems of Green Zone Arkhangelsk region// Silviculture of north on the centuries' border //Materials international scientific – practice conference, Arkhangelsk, 13-15 Jule, 2000, SPt, 2000, volume 8, P.259-262.
9. Tsvetkov V.F., Surina E.A. The estimation of anthropogenic changes in forest structure at the forest land Nyzgnee Podvin'e// Ecological problems of North: Interinstitutes publication of scientific materials// ASEU-2001-publication 4-P. 29-39.
10. Surina E.A., Tsvetkov V.F. The carbon stocks of Arkhangelsk region// Materials international scientific –practice conference, Arkhangelsk, 13-15 Jule, 2000, SPt, 2000, volume 8, P.137-142.
11. Surina E.A. The determination of carbon stocks by conversion-volume coefficients// protection of environment and rational use of natural resources//materials of scientific articles // ASEU, Arkhangelsk, 2001, publication 7, P.193-196.
12. Surina E.A. Climate changes under influence timber harvesting// Forest Eurasia in 3-millennium // Materials of International Scientific practices conference, Moscow, 26-29 July, 2001 – M, 2001, P. 40-41.
13. Surina E.A. The estimation of regional changes of CO₂-concentration in atmosphere as result of land-use// Materials of international young ecological forum of countries Barents-region, Arkhangelsk, 2-5 July, 2001// ASEU, 2001, P. 60-61.
14. Surina E.A. The carbon stocks in soils and peat's of Nyzgnee Podvin'e// Thesis of materials VIII International conference students and post-graduate students by fundamental science «Lomonosov-2001», Moscow, 10-13 April, Moscow, 2001, P. 117-118.
15. Surina E.A. The influence of amelioration on carbon balance of forest and peat ecosystems//Pomor'e in Barents-region on the centuries' border:ecology, economy, culture// Materials international conference, Arkhangelsk, 20-24 June//Institute of ecological problems of North of Urals Branch of Russian academy of Science, 2002, P. 220-221.
16. Surina E.A. About carbon stocks in forest Nyzgnee Podvin'e// XIV Komi Republic young scientific conference (volume 2), actual problems biology and ecology: Thesis of Materials VII young scientific conference// Institute biology Komi Urals branch of Russian academy of science, 2000, P.215.
17. Tsvetkov V.F, Surina E.A. Carbon stocks in Arkhangelsk region/Problems of development and scientific support agriculture sector of northern regions of Russia: Materials of scientific session (Arkhangelsk, 28-30 July, 1999), part 1, economy, agriculture and melioration, Forestry (Russian Academy agricultural science), M, 1999, P. 392-402.
18. Surina E.A. The estimation of influence under forest-use on carbon cycle of forest ecosystems//Chemical-forest complex, problems and decision it. Novosibirsk, 2002, Volume 1, P.70-75.
19. Tsvetkov V.F., Surina E.A. The carbon stock in forests of Arkhangelsk region //Forest magazine. 2003. - №5 - P.17-25.
20. Toralf Bjelkåsen, Elena et.al. Høgskolen i Nord-Trøndelag (Elena Surina, Kjersti Kinderaas et.al) Forvaltning av kystgranskog i Nord-Trøndelag 1995 -2002. En undersøkelse av utførte hogster i kystgranskoglokaliteter og forvaltning av lokalitetene med hjemmel i Lov om skogbruk og skogvern 2003. 31 p.

Scientific keywords	✓ Climate change	✓ Boreal forests	✓ Carbon sequestration	✓ Carbon cycle	✓ Adaptation of forest to climate changes
Participation in EU's Framework Programme projects <i>(please include information about no more than 3 projects, the most relevant ones)</i>				<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
Participation in other European programmes projects <i>(please include information about no more than 3 projects, the most relevant ones)</i>				<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO



E-URAL “European Union and Russia link for S&T co-operation in the area of the Environment”

If yes:			
Project(s) description	Title	«Inco-Copernicus» IC 15-98 CNT-0127 « Economic and ecological bases of steady forestry on North - the West of Russia»; WWF RU 0007.05" Steady management of northern woods ». A modelling forest «Republic Komi», Russia: «Anthropogenous changes in a carbon cycle wood экосистем» (Komi Republic); WWF «The role of wood products in absorption CO2», «Anthropogenous dynamics of forest of the European North».	
	Acronym		
	Duration	More than 1 year	
	Web-site	-	
	Reference to the FP7 theme “Environment”	Emissions and pressures: Natural and anthropogenic. The Global Carbon Cycle - greenhouse gas budgets. Future climate. Climate change natural and socio-economic impacts. Response strategies: adaptation, mitigation and policies.	
	Project brief description	Strategy of Sustainable development of forestry in Arkhangelsk region and Komi Republic.	
	Activities performed	<input checked="" type="checkbox"/> Research and Technological Development <input type="checkbox"/> Demonstration	<input checked="" type="checkbox"/> Management <input checked="" type="checkbox"/> Coordination
<i>Please specify:</i>			

Participation in relevant Russian projects <i>(please include information about no more than 3 projects, the most relevant ones)</i>	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
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If yes:			
Project(s) description	Title	Russian Forest	
	Acronym		
	Duration	More than one year	
	Web-site	-	
	Reference to the FP7 theme “Environment”	Emissions and pressures: Natural and anthropogenic. The Global Carbon Cycle - greenhouse gas budgets. Future climate. Climate change natural and socio-economic impacts. Response strategies: adaptation, mitigation and policies.	
	Project brief description	The model of carbon cycle, carbon sequestration in Northern forests.	
	Activities performed	<input checked="" type="checkbox"/> Research and Technological Development <input checked="" type="checkbox"/> Demonstration	<input checked="" type="checkbox"/> Management <input type="checkbox"/> Coordination
<i>Please specify:</i>			

Description of other previous and present experience in International Cooperation (max. 10 lines)
 This partner’s cooperation will focus on the current knowledge of ongoing changes in climatic conditions in different regions of the world, and the implications of these changes for forest management and conservation. The different presentations and discussions will emphasize researches, practices that are needed to enable us to plan for and manage productive forests to meet future societal needs for forest products and the full range of forest goods and services. Our intention is that cooperation will serve to complement the scientific basis for the support of the sustainable management of forest resources and provide new perspectives for the development of constructive policies to improve management strategies for preserving the vitality of the boreal forests and their potential as a source of economic and social well-being. Progress in the scientific understanding of and knowledge on the boreal forests and their responses to global change will help in constructing of management decisions. The cooperation has important role in promoting of dialogue international and collaborative research to support the sustainable management and conservation of forest resources. More scientific knowledge is needed to better understand the complex relations between water↔soil↔biodiversity ↔climate change in context of development of forestry and managing natural resources.

INTEREST IN FP7 OPEN CALLS

Call identifier*	(INTERNATIONAL DIMENSION)		
Topic(s) number*	FP7-PEOPLE-IOF		
Call Deadline*			
Role in the project*	<input type="checkbox"/> Coordinator <input checked="" type="checkbox"/> Partner		
Type of suggested activities*	<input type="checkbox"/> RTD <input type="checkbox"/> Demonstration	<input type="checkbox"/> Training <input type="checkbox"/> Coordination	<input type="checkbox"/> Support <input type="checkbox"/> Management



E-URAL “European Union and Russia link for S&T co-operation in the area of the Environment”

Project proposal (for coordinators)/Expertise offered (for partners)* (max 500 words):
Find partners and realize scientific ideas.

Call identifier*	FP7-ENV		
Topic(s) number*			
Call Deadline*			
Role in the project*	<input type="checkbox"/> Coordinator <input checked="" type="checkbox"/> Partner		
Type of suggested activities*	<input type="checkbox"/> RTD <input type="checkbox"/> Demonstration	<input type="checkbox"/> Training <input type="checkbox"/> Coordination	<input type="checkbox"/> Support <input type="checkbox"/> Management
Project proposal (for coordinators)/Expertise offered (for partners)* (max 500 words): Find partners and realize scientific ideas.			



(!)Organization Name*	Federal Forest Agency Northern Research Institute of Forestry		
(!)Department/Unit*	forest regeneration sector		
(!)Head of Department / Unit (Name, Title)*	Sungurov Rudolf, Ph.D.		
(!)Contact person (name, position in organization, title (Mr/Mrs/Dr or other)*	Senkov Aleksandr, senior resercher		
E-Mail*	Senkovm@mail.ru		
Phone (country code – city code – number)*	(8182) 61-79-55		
Fax (country code – city code – number)	8182) 61-25-78		
Web-site	sevniilh.ru		
Organisation type	<input type="checkbox"/> University <input checked="" type="checkbox"/> Research Centre	<input type="checkbox"/> SME <input type="checkbox"/> Large Company	<input type="checkbox"/> Consultancy <input type="checkbox"/> Public Administration
(!)Organization Address*	Arkhangelsk, Nikitov Str. 13		
Country*	Russian Federation		
Russian Federal District	<input type="checkbox"/> Centre <input type="checkbox"/> Far-East	<input type="checkbox"/> South <input checked="" type="checkbox"/> Northwest	<input type="checkbox"/> Siberia <input type="checkbox"/> Ural <input type="checkbox"/> Volga
Competences in FP7 Theme “Environment (Including Climate Change)”	6.1 Climate Change, pollution and risks 6.1.1 Pressures on environment and climate 6.1.1.5 Climate change natural and socio-economic impacts 6.1.1.6 Response strategies: adaptation, mitigation and policies 6.2 Sustainable management of resources 6.2.1 Conservation and sustainable management of natural and man-made resources and biodiversity 6.2.1.1 Integrated resource management 6.2.1.3 Soil research and desertification 6.2.1.4 Biodiversity 6.2.1.6 Integrated forest research 6.2.2 Management of marine environments		
Spheres, which are not listed above, related to your competences and can be of common EU-Russia cooperation interest in Environment	selection, forest regeneration, forest culture		
Short description of the organization/department/research team* (max 12 lines):			
The basic kinds of activity: carrying out of research and developmental jobs under contracts, contracts and grants, preparation of design, normative, legal and methodical documents; development of normative technical, methodical and technological documents on wood sector of subjects of the Russian Federation; the edition and realization of scientific and technical production (proceedings, methodical instructions {indications}, brochures, information collections and fair brochures); performance of expert, design, design, engineering - prospecting, technical jobs.			
Publications (other references) (max 10):			
Сеньков, А.О. Опыт Финляндии по выращиванию посадочного материала с закрытой корневой системой. Конструкция финских тепличных комплексов / А.О. Сеньков // Межрегиональная молодежная научная конференция «Севергеоэкотех – 2003»: Материалы конференции. Ухта, 2003. – 2003. – С.267-268.			
Мочалов, Б.А. Изменение условий среды на вырубке при подготовке почвы и влияние их на рост культур сосны из семян с закрытыми корнями / Б.А. Мочалов, А.О. Сеньков, Г.А. Мочалова, Н.Р. Артемьева // Сохраним планету Земля: Сборник докладов Международного экологического форума, 1-5 марта 2004 года; СПб. / Под. ред. Б.Ф. Апарина; Центральный музей почвоведения им В.В. Докучаева, СПб; 2004. – СПб. – 2004. – С.333-337.			
Сеньков, А.О. Сезонный рост культур сосны обыкновенной созданных различным посадочным материалом / А.О. Сеньков // Экологические проблемы Севера: Межвузовский сборник научных трудов. – 2005а. – Вып.8. – С.147-151.			
Сеньков, А.О. Характеристика температурного режима сплошной вырубки с учетом обработки почвы под лесные культуры / А.О. Сеньков // Экологические проблемы Севера: Межвузовский сборник научных трудов. – 2005б. – Вып.8. – С.154-158.			
Мочалов, Б.А. К характеристике условий среды на вейниковых вырубках в средней подзоне тайги и влияние их на рост культур сосны и ели / Б.А. Мочалов, А.О. Сеньков // Проблемы лесоведения и лесоводства. Материалы Третьих Мелеховских чтений, посвященных 100-летию со дня рождения И.С. Мелехова (15-16 сентября 2005 г.). – Архангельск: РИО АГТУ, 2005. – С.47-51.			
Сеньков, А.О. Корреляция между высотой и диаметром в культурах сосны обыкновенной, созданных различным			



посадочным материалом / А.О. Сеньков, Б.А. Мочалов // Экологические проблемы Севера: Межвузовский сборник научных трудов. – 2006. – Вып.9. – С.98-102.
 Мочалов, Б.А. Рост сеянцев сосны с закрытыми и открытыми корнями в культурах таежной зоны / Б.А. Мочалов, А.О. Сеньков // Известия высших учебных заведений. Лесной журнал. – 2007. – №4. – С.144-146.
 Сеньков, А.О. Использование посадочного материала с закрытой корневой системой для лесовосстановления на Европейском Севере // Всероссийская конференция с международным участием «Северные территории России: проблемы и перспективы развития». Материалы конференции 23-26 июня 2008 г. – Архангельск: Институт экологических проблем Севера УрО РАН. – 2008. – с.1193-1195.
 Файзулин, Д.Х. Изучение географических культур на северо-западе России в контексте глобального изменения климата / Д.Х. Файзулин, А.О. Сеньков, Н.Р. Артемьева // Экологические проблемы севера: межвуз. сб. науч. тр. / отв. ред. д-р с.-х. наук П.А. Феклистов; Сев. рег. отд. Рос. акад. естественных наук; АГТУ; ПГУ. Архангельск: АГТУ. 2009. Вып. 12. С.93-95.

Scientific keywords	<input checked="" type="checkbox"/> forest regeneration	<input checked="" type="checkbox"/> selection	<input checked="" type="checkbox"/> forest culture	<input checked="" type="checkbox"/> forest management	<input checked="" type="checkbox"/>
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Participation in other European programmes projects <i>(please include information about no more than 3 projects, the most relevant ones)</i>	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
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If yes:

Project(s) description	Title	Russian-Scandinavian projects: “Larch”; “Forest regeneration and care of young forests in the Arkhangelsk and Murmansk regions», as the continuation of project “Sustainable forest management in Kargopol of the Arkhangelsk area” (the second stage of program NWRDP on 2002-2004 rr);			
	Acronym				
	Duration	2002-2006			
	Web-site				
	Reference to the FP7 theme “Environment”	<i>(please insert its area/sub-area number and title - see the table “COMPETENCES”)</i> 6.2 6.2.1			
	Project brief description	Development and perfection of forest regeneration technology and improvement of quality of a landing material. Studying of genetics of 4 main kinds of a larch in Russia: Larix sukaszewii, L. sibirica, L. gmelinii and L. cajanderi and research of interaction "genotype - environment" in other parts of northern hemisphere			
Activities performed	<input checked="" type="checkbox"/> Research and Technological Development		<input type="checkbox"/> Management	<input type="checkbox"/> Training	
	<input type="checkbox"/> Demonstration		<input type="checkbox"/> Coordination	<input type="checkbox"/> Support	
Please specify:					

Participation in relevant Russian projects <i>(please include information about no more than 3 projects, the most relevant ones)</i>	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
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If yes:

Project(s) description	Title	T.28 «To study geographical and test cultures of a pine and a spruce, to select the best climatotypes for introduction in conditions of Northwest in connection with global climatic changes and candidates for elite for accelerated forest regeneration» T.32 « Development of forest regeneration strategy on the areas of mass drying forest in Northwest Russian Federation in conditions of global change of a climate » The project of M2 - 06 «To develop scientific - methodical bases of perfection of methods and ways of forest regeneration of main forest forming species with approbation of modern technologies»			
	Acronym				
	Duration	2005, 2008, 2009			
	Web-site				
	Reference to the FP7 theme “Environment”	<i>(please insert its area/sub-area number and title - see the table “COMPETENCES”)</i> 6.1 6.1.1.5 6.1.1.6			



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	Project brief description	<p>Studying of forest ecosystems reaction on global climatic changes. Establishment of the reasons mass drying forest stands, a rating of a role of various factors in drying process of spruce tree stands, preparation of recommendations on use of drying out woods and restoration. Development of practical recommendations on creation of forest cultures with use of a landing material with the closed root system.</p>		
	Activities performed	<input checked="" type="checkbox"/> Research and Technological Development <input type="checkbox"/> Demonstration	<input type="checkbox"/> Management <input type="checkbox"/> Coordination	<input type="checkbox"/> Training <input type="checkbox"/> Support
		<p><i>Please specify:</i></p>		



(!)Organization Name*		Arkhangelsk State Technical University				
(!)Department/Unit*		Industrial power engineering				
(!)Head of Department / Unit (Name, Title)*		Emelyanov Vladimir Pavlovich, docent, candidate of engineering science				
(!)Contact person (name, position in organization, title (Mr/Mrs/Dr or other)*		Lyubov Victor Konstantinovich, head of department of industrial heat-and-power engineering, professor, doctor of engineering science				
E-Mail*		vlubov@atknet.ru				
Phone (country code – city code – number)*		+7-921-278-70-38				
Fax (country code – city code – number)		+7-8182-21-61-79				
Web-site						
Organisation type		<input checked="" type="checkbox"/> University <input type="checkbox"/> Research Centre		<input type="checkbox"/> SME <input type="checkbox"/> Large Company		
(!)Organization Address*		17, Severnaya Dvina Emb., Arkhangelsk				
Country*		Russian Federation				
Russian Federal District		<input type="checkbox"/> Centre <input type="checkbox"/> Far-East		<input type="checkbox"/> South <input checked="" type="checkbox"/> Northwest		
				<input type="checkbox"/> Siberia <input type="checkbox"/> Ural <input type="checkbox"/> Volga		
Competences in FP7 Theme “Environment (Including Climate Change)”		6.1.1.2 Emissions and pressures: Natural and anthropogenic 6.3.1.3 Waste 6.3.1.4 Clean technologies 6.3.3.2 Technology assessment				
Short description of the organization/department/research team* (max 12 lines):						
State educational institution of higher vocational training Arkhangelsk State Technical University guide training engineers of extensive profile						
Industrial power engineering guide training engineers by four specialty: industrial heat-and-power engineering; electric supply of the industrial enterprises; automation of technological processes and production; power supply of enterprises						
Publications (other references) (max 10):						
1. Findings of investigation efficiency activity workshop by production wood granule./ News of institute of higher education. Forest magazine. – 2009. №5. – p. 135-145.						
2. Complex boost effectivity using of wood waste./ Thesis lecture of international scientific and technical conference “Bioenergetics and biotechnology – efficient using of wood waste and woodworking”. Moscow, MSFU, 2009. – p. 35-36.						
3. Findings of investigation efficiency activity workshop by production wood granule./ Herald of CHSU. Scientific magazine. Socially-humanities and technics. 2009. №3. p. 100-107.						
4. Burning combustibile at the boiler “Danstoker”./ Hot button of developing forest complex: materials of international scientific and technical conference. Vologda, VSTU, 2009. – p. 105-107.						
5. Increase efficacy of combustion boiler oil./ Science – Nothern region: collector of scientific job - №78. – ASTU, 2009. – p. 86-90.						
6. Research of heat capacity of wood granule./ Materials of the fifth international scientific and technical conference “Automatization and energy-saving mechanical and metallurgical production”. Vologda, VSTU, 2009. – part 1. p. 255-258.						
7. Increase effectiveness of power using fire-wood./ Materials of international scientific and technical conference “ Modern science and education in decision problems of economy European North”. ASTU , 2009. – p. 160-164.						
8. Forest bioenergy. Y. Semenov, V. Lyubov, B. Hillring, M. Parikka, T. Stern/ The manual for graduated and post-graduated students. MSFU, 2008. – 348 p.						
9. Energy utilization of fire-wood. V. Lyubov/ Tutorial, ASTU, 2007. – 156 p.						
Scientific keywords		<input checked="" type="checkbox"/> boiler unit	<input checked="" type="checkbox"/> removal	<input checked="" type="checkbox"/> nitrogen oxide	<input checked="" type="checkbox"/> sulfur oxide	<input checked="" type="checkbox"/> emission of burst
Participation in EU’s Framework Programme projects <i>(please include information about no more than 3 projects, the most relevant ones)</i>				<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		
Participation in other European programmes projects <i>(please include information about no more than 3 projects, the most relevant ones)</i>				<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO		
If yes:						
Project(s) description	Title	Use of wood for energy purposes				
	Acronym	Bioenergetics				
	Duration	1 year				
	Web-site					



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	Reference to the FP7 theme “Environment”	The course manual “Forest bioenergy” is aimed for educational purposes in bioenergy topic for graduate and post-graduate students.		
	Project brief description	<p>The main tasks of the programme are to:</p> <ol style="list-style-type: none"> 1. Provide support and guidance to the transition of the Russian Forest sector so that economic, environmental and social goals set by the Russian Government can be achieved. 2. Establish and forest good cooperation between Russia and Swedish forest institution that will last and continue even after the end of The Russian-Swedish Forest Sector Co-operation Programme. 		
	Activities performed	<input checked="" type="checkbox"/> Research and Technological Development <input type="checkbox"/> Demonstration	<input type="checkbox"/> Management <input type="checkbox"/> Coordination	<input checked="" type="checkbox"/> Training <input type="checkbox"/> Support
		<i>Please specify:</i>		



(!)Organization Name*		Northern State Medical University in Arkhangelsk			
(!)Department/Unit*		Chair of Therapeutic Dentistry			
(!)Head of Department / Unit (Name, Title)*		Dr. Alexandr Opravin			
(!)Contact person (name, position in organization, title (Mr/Mrs/Dr or other)*		Prof. Dr. Tatiana Vilova			
E-Mail*		vilovatv@nsmu.ru			
Phone (country code – city code – number)*		+7 (8182) 28 60 75			
Fax (country code – city code – number)		+7 (8182) 28 60 75			
Web-site		www.nsmu.ru			
Organisation type		<input checked="" type="checkbox"/> University <input type="checkbox"/> SME <input type="checkbox"/> Consultancy <input type="checkbox"/> Research Centre <input type="checkbox"/> Large Company <input type="checkbox"/> Public Administration			
(!)Organization Address*		Northern State Medical University, 51 Troitsky Prospect Arkhangelsk 163000 Russian Federation			
Country*		Russian Federation			
Russian Federal District		<input type="checkbox"/> Centre <input type="checkbox"/> South <input type="checkbox"/> Siberia <input type="checkbox"/> Far-East <input checked="" type="checkbox"/> Northwest <input type="checkbox"/> Ural <input type="checkbox"/> Volga			
Competences in FP7 Theme "Environment (Including Climate Change)"		6.1.1 Pressures on environment and climate 6.1.1.1 The Earth System and Climate: Functioning and abrupt changes 6.1.1.2 Emissions and pressures: Natural and anthropogenic 6.1.2 Environment and health 6.1.2.2 Health effects of environmental stressors other than climate change			
Short description of the organization/department/research team* (max 12 lines):					
<p>Scientific research in frames of international cooperation of the Chair of Therapeutic Dentistry is carried out by Prof. Dr. Tatiana Vilova. Her main direction of scientific and practical work includes issues of common dental diseases, such as dental caries and periodontal diseases. In 1994 she successfully defended her Ph.D. dissertation and in 2001 - a doctoral thesis. Both works served as the basis for her systematic approach to primary prevention of caries of northerners through the overall improvement of functions of the salivary glands and enhancing the resistance of dental tissues by algal preparations. Prof. Dr. Tatiana Vilova is the author of more than 160 scientific and methodical works, among which are 20 policy recommendations, 4 textbooks, 3 monographs, 3 patents for inventions. She has state awards of Russia. In 2002 she was awarded "Excellence in Health". In 2007, she was awarded the title of "Honorary Doctor of Russia by the decree of President of the Russian Federation.</p>					
Publications (other references) (max 10):					
<ol style="list-style-type: none"> Vilova T. (1999), "Indicators of homeostasis of the oral cavity among residents of environmentally negative region of northern Russia", in: "Perm Medical Journal", Volume 16, No. 4, pp. 35-38 Vilova T. (2001), "Score of susceptibility to caries among residents of northern Russia by using the method of recording medium weight substances and oligopeptides", in: "Dentistry", Volume 80, No. 2, pp. 11-14 Vilova T. (2001), "Clinical and physiological justification of prevention of dental caries in the North": Monograph, Arkhangelsk, NSMU, 182 pp. Vilova T. (2004), "Metabolic preconditions of formation of susceptibility to caries among residents of the Arkhangelsk region", in: "Vestnik of Pomor State University", Series "The physiological and psychological-pedagogical science", No. 5, pp. 12 -19 Vilova T. (2005), "Biochemical criteria of homeostasis of persons with periodontal diseases", in: "Efferent therapy", No. 2, pp. 60-64 Vilova T. (2006), "Eco-geny and dental pathology", in: "Human Ecology", No. 6, pp. 12 – 17 Vilova T. (2006), "Prevention of major dental diseases among workers of metallurgical plant "Severonikel"", in: "Environmental Rights", Annex 4, pp. 10-12 Vilova T. (2007), "The prevalence of periodontal disease of patients with pathology of the cardiovascular system in the European North (Arkhangelsk)", in: "Human Ecology", No. 12, pp. 9-12 Vilova T. (2008), "Dental diseases and their prevention among residents of the North": Monograph, Moscow, Nauka, 172 pp. Vilova T. (2008), "Features of the prevalence and prognosis of chronic recurrent herpes of schoolchildren in City High School", in: Fundamental research, Academy of Natural Sciences, Moscow, No. 7, pp. 32-33 					
Scientific keywords	<input checked="" type="checkbox"/> Dental caries	<input checked="" type="checkbox"/> Periodontal diseases	<input checked="" type="checkbox"/> Dental Pathology	<input checked="" type="checkbox"/> Susceptibility to caries	<input checked="" type="checkbox"/> European North



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Participation in EU's Framework Programme projects <i>(please include information about no more than 3 projects, the most relevant ones)</i>	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
Participation in other European programmes projects <i>(please include information about no more than 3 projects, the most relevant ones)</i>	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
Participation in relevant Russian projects <i>(please include information about no more than 3 projects, the most relevant ones)</i>	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
Description of other previous and present experience in International Cooperation (max. 10 lines) Prof. Dr. Tatiana Vilova participated in the following conferences and seminars of international character: 1. Interregional Scientific and Practical Conference with International Participation "Actual problems of dental science and practice" on the 50th anniversary of dentistry, carried out by Kemerovo State Medical Academy on April 20, 2009 2. International Conference "Prevention of dental diseases in children" held in Pskov on 27-28 September 2007 3. VI Inter-regional Scientific and Practical Conference with International Participation "Modern aspects of diagnosis, treatment and prevention of dental diseases" on the 60th anniversary of the organization of the Ryazan State Medical University and in memory for Prof. Dr. Kuryakina, Ryazan, 26-27 November 2009		



(!)Organization Name*		Saratov State Agrarian University named after N.I.Vavilov			
(!)Department/Unit*		The organization of the use of land (Land management)			
(!)Head of Department / Unit (Name, Title)*		Prof. Bary Iskyandyarovitch Tuktarov			
(!)Contact person (name, position in organization, title (Mr/Mrs/Dr or other)*		Dr. Tatiana Nikolaevna Kovaleva			
E-Mail*		tnk2003@list.ru			
Phone (country code – city code – number)*		+7 927 11 77 427, +7 926 010 11 77			
Fax (country code – city code – number)		+7 (8452) 26 27 83, +7 (8452) 26 23 42			
Web-site		www.sgau.ru			
Organisation type		<input checked="" type="checkbox"/> University	<input type="checkbox"/> SME	<input type="checkbox"/> Consultancy	<input type="checkbox"/> Public Administration
		<input type="checkbox"/> Research Centre	<input type="checkbox"/> Large Company		
(!)Organization Address*		410012, Saratov, Teatralnaya pl.,1.			
Country*		Russian Federation			
Russian Federal District		<input type="checkbox"/> Centre	<input type="checkbox"/> South	<input type="checkbox"/> Siberia	<input type="checkbox"/> Ural
		<input type="checkbox"/> Far-East	<input type="checkbox"/> Northwest		<input checked="" type="checkbox"/> Volga
Competences in FP7 Theme “Environment (Including Climate Change)”	6.2 Sustainable management of resources				
	6.2.1 Conservation and sustainable management of natural and man-made resources and biodiversity				
	6.2.1.1 Integrated resource management				
	6.2.1.3 Soil research and desertification				
	6.2.1.4 Biodiversity				
	6.2.1.5 Urban development				
	6.2.1.6 Integrated forest research				
	6.2.2 Management of marine environments				
	6.3 Environmental technologies				
	6.3.1 Environmental technologies for observation, simulation, prevention, mitigation, adaptation, remediation and restoration of the natural and man-made environment				
6.3.1.2 Soil					
6.3.1.4 Clean technologies					
6.3.1.5 Built environment					
6.3.2 Protection, conservation and enhancement of cultural heritage, including human habitat					
6.3.2.1 Assessment and conservation in cultural heritage					
6.3.2.2 Networking, knowledge transfer and optimisation of results in cultural heritage					
6.3.2.3 Environment technologies for archaeology and landscapes					
6.3.2.4 Fostering the integration of cultural heritage in urban and rural settings					
6.4 Earth observation and assessment tools for sustainable development					
6.4.1 Earth and ocean observation systems and monitoring methods for the environment and sustainable development					
6.4.1.3 Earth Observation activities in emerging areas					
6.4.1.4 Developing capacity building activities in the domain of Earth Observation in the new EU countries and in the developing countries					
6.4.2 Forecasting methods and assessment tools for sustainable development taking into account differing scales of observation					
6.4.2.1 Tools for impact assessment					
6.4.2.2 Sustainable development indicators					
6.4.2.3 Interplay between social, economic and ecological systems					
Spheres, which are not listed above, related to your competences and can be of common EU-Russia cooperation interest in Environment		The melioration, recultivation and protection of soils; the adaptation of agrarian landscapes to environment.			
Scientific keywords	<input checked="" type="checkbox"/> melioration	<input checked="" type="checkbox"/> recultivation	<input checked="" type="checkbox"/> protection	<input checked="" type="checkbox"/> landscapes	<input checked="" type="checkbox"/> environment
Participation in EU's Framework Programme projects <i>(please include information about no more than 3 projects, the most relevant ones)</i>				<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	
If yes:					
Project(s) description	Title	Tempus			
	Acronym	Tempus			



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Duration	2007-2008		
Web-site	http://ec.europa.eu/education/programmes/tempus		
Reference to the FP7 theme “Environment”	6.4.1.4 Developing capacity building activities in the domain of Earth Observation in the new EU countries and in the developing countries		
Project brief description			
Activities performed	<input type="checkbox"/> Research and Technological Development <input type="checkbox"/> Demonstration	<input type="checkbox"/> Management <input type="checkbox"/> Coordination	<input checked="" type="checkbox"/> Training <input type="checkbox"/> Support
<i>Please specify:</i>			

Participation in relevant Russian projects <i>(please include information about no more than 3 projects, the most relevant ones)</i>	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
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If yes:

Project(s) description	Title	The Federal program “The melioration of soils”		
	Acronym			
	Duration	2003-2010		
	Web-site			
	Reference to the FP7 theme “Environment”	6.2.1.3 Soil research and desertification		
	Project brief description			
	Activities performed	<input checked="" type="checkbox"/> Research and Technological Development <input type="checkbox"/> Demonstration	<input type="checkbox"/> Management <input type="checkbox"/> Coordination	<input type="checkbox"/> Training <input checked="" type="checkbox"/> Support
<i>Please specify:</i>				

INTEREST IN FP7 OPEN CALLS

Call identifier*	6.2 Sustainable management of resources 6.2.1 Conservation and sustainable management of natural and man-made resources and biodiversity		
Topic(s) number*	6.2.1.1 Integrated resource management 6.2.1.3 Soil research and desertification 6.2.1.4 Biodiversity 6.2.1.5 Urban development 6.2.1.6 Integrated forest research		
Call Deadline*	-		
Role in the project*	<input type="checkbox"/> Coordinator <input checked="" type="checkbox"/> Partner		
Type of suggested activities*	<input checked="" type="checkbox"/> RTD <input checked="" type="checkbox"/> Demonstration	<input checked="" type="checkbox"/> Training <input type="checkbox"/> Coordination	<input checked="" type="checkbox"/> Support <input type="checkbox"/> Management

Call identifier*	6.3 Environmental technologies 6.3.1 Environmental technologies for observation, simulation, prevention, mitigation, adaptation, remediation and restoration of the natural and man-made environment		
Topic(s) number*	6.3.1.2 Soil 6.3.1.4 Clean technologies 6.3.1.5 Built environment		
Call Deadline*	-		
Role in the project*	<input type="checkbox"/> Coordinator <input checked="" type="checkbox"/> Partner		
Type of suggested activities*	<input checked="" type="checkbox"/> RTD <input checked="" type="checkbox"/> Demonstration	<input checked="" type="checkbox"/> Training <input type="checkbox"/> Coordination	<input checked="" type="checkbox"/> Support <input type="checkbox"/> Management

Call identifier*	6.3.2 Protection, conservation and enhancement of cultural heritage, including human habitat		
Topic(s) number*	6.3.2.3 Environment technologies for archaeology and landscapes		
Call Deadline*	-		
Role in the project*	<input type="checkbox"/> Coordinator		



E-URAL “European Union and Russia link for S&T co-operation in the area of the Environment”

	<input checked="" type="checkbox"/> Partner		
Type of suggested activities*	<input checked="" type="checkbox"/> RTD <input checked="" type="checkbox"/> Demonstration	<input checked="" type="checkbox"/> Training <input type="checkbox"/> Coordination	<input checked="" type="checkbox"/> Support <input type="checkbox"/> Management
Call identifier*	6.4.1 Earth and ocean observation systems and monitoring methods for the environment and sustainable development		
Topic(s) number*	6.4.1.3 Earth Observation activities in emerging areas 6.4.1.4 Developing capacity building activities in the domain of Earth Observation in the new EU countries and in the developing countries		
Call Deadline*	-		
Role in the project*	<input type="checkbox"/> Coordinator <input checked="" type="checkbox"/> Partner		
Type of suggested activities*	<input checked="" type="checkbox"/> RTD <input checked="" type="checkbox"/> Demonstration	<input checked="" type="checkbox"/> Training <input type="checkbox"/> Coordination	<input checked="" type="checkbox"/> Support <input type="checkbox"/> Management
Call identifier*	6.4.2 Forecasting methods and assessment tools for sustainable development taking into account differing scales of observation		
Topic(s) number*	6.4.2.1 Tools for impact assessment 6.4.2.2 Sustainable development indicators 6.4.2.3 Interplay between social, economic and ecological systems		
Call Deadline*	-		
Role in the project*	<input type="checkbox"/> Coordinator <input checked="" type="checkbox"/> Partner		
Type of suggested activities*	<input checked="" type="checkbox"/> RTD <input checked="" type="checkbox"/> Demonstration	<input checked="" type="checkbox"/> Training <input type="checkbox"/> Coordination	<input checked="" type="checkbox"/> Support <input type="checkbox"/> Management



(!)Organization Name*	Institute of Ecological Problems of the North, Ural Branch of Russian Academy of Sciences		
(!)Department/Unit*	Laboratory of plant biopolymers' chemistry		
(!)Head of Department / Unit (Name, Title)*	Head of the laboratory Tatyana Lichutina, PhD (Eng.)		
(!)Contact person (name, position in organization, title (Mr/Mrs/Dr or other)*	Dr. Nikolay Larionov, advisor for International affairs, researcher, PhD (Chem.)		
E-Mail*	nikolay.larionov@iepn.ru		
Phone (country code – city code – number)*	+7 8182 287002 (ext. 318)		
Fax (country code – city code – number)	+7 8182 287636		
Web-site	www.iepn.ru		
Organisation type	<input type="checkbox"/> University <input type="checkbox"/> Research Centre	<input type="checkbox"/> SME <input type="checkbox"/> Large Company	<input type="checkbox"/> Consultancy <input type="checkbox"/> Public Administration
(!)Organization Address*	Severnoy Dvinu Emb., 23, 163061, Arkhangelsk		
Country*	Russia		
Russian Federal District	<input type="checkbox"/> Centre <input type="checkbox"/> Far-East	<input type="checkbox"/> South <input type="checkbox"/> Northwest	<input type="checkbox"/> Siberia <input type="checkbox"/> Ural <input type="checkbox"/> Volga
Competences in FP7 Theme “Environment (Including Climate Change)”	6.1.1.2 Emissions and pressures: Natural and anthropogenic 6.3.1.1 Water 6.3.1.2 Soil 6.3.1.3 Waste 6.3.1.6 Marine environment 6.4.2.1 Tools for impact assessment		
Short description of the organization/department/research team* (max 12 lines):			
<p>Research areas at the Institute of Ecological Problems of the North UB RAS are:</p> <ul style="list-style-type: none"> - Integral assessment of environmental problems of the Northwest of Russia and neighboring Arctic water basins - Scientific basis for the development and rational use of mineral resources and biologically renewable natural resources - Deep structure, geodynamics, seismicity and mineralogy of the Earth's Northern territories <p>Scientific Direction of the Laboratory of plant biopolymers' chemistry: Studies on the regularities of biochemical formation of the basic properties and structure of plant biopolymers of wood and non-wood origin. Their transformation under the natural climate conditions of the European North of Russia and man-caused processes is studied.</p> <p>Main research areas of the Laboratory of plant biopolymers' chemistry:</p> <ol style="list-style-type: none"> 1. Biogeochemical aspects of the formation of basic properties and structure of the biopolymers of lignin-carbohydrate wood matrix; 2. Studies on the physical-chemical properties of the nanosized systems of the peat's components; 3. Studies on the physical and chemical properties of the nanocomplexes on the basis of modified biopolymers. 			
Publications (other references) (max 10):			
<ol style="list-style-type: none"> 1. Bogolitsyn K.G. Environmental assessment of solid domestic waste landfills and neighboring areas within peatlands / K.G. Bogolitsyn, N.S. Larionov, M.V. Bogdanov, J.T. Fedina // Ecology and Industry of Russia (Ecologiya i promyshlennost Rossii). – 2007. – January. – P.38 – 40. 2. Larionov N.S. Binding of d- and p- metals by the oligotrophic peat / N.S. Larionov, K.G. Bogolitsyn, M.V. Bogdanov, I.A. Kuznetsova // Chemistry of plant raw materials (Himiya rastitel'nogo surya) – 2008. – №4. – P.147 – 152. 3. Larionov, N.S. Developing monitoring system and monitoring Arkhangelsk city landfill [Text] / N.S. Larionov, K.G. Bogolitsyn, M.V. Bogdanov // Proceedings: International Waste Management, June 1, 2006. – Arkhangelsk, 2006. – P.33 – 36. 4. Bogolitsyn K.G. Environmental monitoring of underground water within the impact area of Arkhangelsk city SDW landfill / K.G. Bogolitsyn, N.S. Larionov, M.V. Bogdanov // Abstracts of VI All-Russia conference «Ecoanalytics-2006», 26–30 of September, 2006 – Samara, 2006. – P. 22. 5. Ларионов, Н.С. Environmental monitoring of soil water within the impact area of Arkhangelsk city SDW landfill / N.S. Larionov, K.G. Bogolitsyn, M.V. Bogdanov // Proceedings of II All-Russia conference «Analytics in Russia», 7-12 October, 2007– Krasnodar, 2007. – P. 364. 6. Larionov N.S. Sorption of Cd²⁺ and Pb²⁺ by the oligotrophic peat / N.S. Larionov, I.A. Kuznetsova // Proceedings of international conference of students, PhD students and young researchers “Lomonosov-2008” – CHEMISTRY, 8–11 of April, 2008– Moscow, 2008. – P. 45. 			



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7.Larionov N.S. Using spectral methods when studying sorption properties of oligothrophic peat] / N.S. Larionov, K.G. Bogolitsyn, I.A. Kuznetsova // Abstracts of II international forum «Analytic chemistry and analytics», 22–26 of September, 2008 – Voronezh, 2008. – p.2. – P.396.
 8.Larionov N.S. Environmental assessment of underground water, ground and soil surface within the impact area of SDW landfills / N.S. Larionov, K.G. Bogolitsyn // Proceedings of International conference “Actual problems of bioecology”, 21–24 of October, 2008 – Moscow, 2008. – P.32 – 33.

Scientific keywords	<input checked="" type="checkbox"/> environmental chemistry	<input checked="" type="checkbox"/> analytical chemistry	<input checked="" type="checkbox"/> plant biopolymers	<input checked="" type="checkbox"/> pollution control	<input checked="" type="checkbox"/> environmental monitoring
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Participation in EU’s Framework Programme projects <i>(please include information about no more than 3 projects, the most relevant ones)</i>	<input type="checkbox"/> YES	<input type="checkbox"/> NO
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Participation in other European programmes projects <i>(please include information about no more than 3 projects, the most relevant ones)</i>	<input type="checkbox"/> YES	<input type="checkbox"/> NO
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If yes:

Project(s) description	Title	Emerging persistent organic pollutants in the high North and North-Western Russia			
	Acronym	NorthPOP			
	Duration	2008-2010			
	Web-site	http://www.unis.no/20_RESEARCH/2050_Arctic_Technology/NorthPOP/NorthPOP.htm			
	Reference to the FP7 theme “Environment”	<i>(please insert its area/sub-area number and title - see the table “COMPETENCES”)</i>			
	Project brief description	The aim of the project is to develop a mutual scientific exchange within environmental chemistry based upon transfer of scientific knowledge, MSc, PhD students and personnel.			
	Activities performed	<input type="checkbox"/> Research and Technological Development <input type="checkbox"/> Demonstration	<input type="checkbox"/> Management <input type="checkbox"/> Coordination	<input type="checkbox"/> Training <input type="checkbox"/> Support	<i>Please specify:</i>

Participation in relevant Russian projects <i>(please include information about no more than 3 projects, the most relevant ones)</i>	<input type="checkbox"/> YES	<input type="checkbox"/> NO
---	------------------------------	-----------------------------

Description of other previous and present experience in International Cooperation (max. 10 lines)
 International project experience:

Working group member	Finnish-Russian Barents Cross-Border University, 2006-till now
Working group member	Project financed by the Barents Secretary “Waste management for Archangelsk region”, 2006-2007
Working group member	BERMAP - Business, educational and research cooperation between institutions of Northern Finland and North-West Russia, 2005-2007
Working group member	Cleaner Production: continuing education of Northwest Russian university teachers, 2006
Coordinator of the project from ASTU	Development of education of Environmental Engineers in Murmansk Region in cooperation with Murmansk State Technical University/MSTU for the years 2004-2006



(!)Organization Name*	Arkhangelsk State Technical University		
(!)Department/Unit*	department of biotechnology		
(!)Head of Department / Unit (Name, Title)*	Novozhilov Evgeny Vsevolodovich, professor, Doctor of Science		
(!)Contact person (name, position in organization, title (Mr/Mrs/Dr or other)*	Dr. Dmitry Germanovich Chukhchin, Ass.professor, Candidate of Sciences (Chemistry)		
E-Mail*	dimatsch@mail.ru		
Phone (country code – city code – number)*	+7(8182)21-89-38		
Fax (country code – city code – number)	+7(8182)28-76-14		
Web-site	www.agtu.ru		
Organisation type	<input checked="" type="checkbox"/> University <input type="checkbox"/> Research Centre	<input type="checkbox"/> SME <input type="checkbox"/> Large Company	<input type="checkbox"/> Consultancy <input type="checkbox"/> Public Administration
(!)Organization Address*	Arkhangelsk, Severnaya Dvina Emb. 17		
Country*	Russia		
Russian Federal District	<input type="checkbox"/> Centre <input type="checkbox"/> Far-East	<input type="checkbox"/> South <input checked="" type="checkbox"/> Northwest	<input type="checkbox"/> Siberia <input type="checkbox"/> Ural <input type="checkbox"/> Volga
Competences in FP7 Theme “Environment (Including Climate Change)”	6.1.1.2 Emissions and pressures: Natural and anthropogenic 6.2.1.2 Water resources 6.2.1.4 Biodiversity 6.3.1.1 Water 6.3.1.3 Waste		
Publications (other references) (max 10):			
<ol style="list-style-type: none"> 1. Chukhchin D.G. Method of active sludge composition at Pulp-and-paper enterprises / D.G. Chukhchin, I.S. Mayorov, O.M. Sokolov // Proceedings of Higher Educational Institutions, «Lesnoi Zhurnal», 2005. - №4. - p.144-150. 2. Chukhchin D.G. Development of soft-hardware complex for automatic determination of microorganisms in liquids / .G. Chukhchin, I.S. Mayorov, O.M. Sokolov // Environmental protection and rational use of natural resources: Collection of scientific works – Arkhangelsk, 2004, issue. 9, p.153-158. 3. Chukhchin D.G. Development of new method of assessment of fermentative oxidizing ability of active sludge / D.G. Chukhchin, P.A. Tupin, E.V. Novzhilov, O.M. Sokolov // Proceedings of Higher Educational Institutions, «Lesnoi Zhurnal», 2010. - №3. – p.130-137. 4. Chukhchin D.G. Destruction of biomass of micro-organisms in the pressing process with adding materials / D.G. Chukhchin, K.G. Bolotova, E.V. Novzhilov // Materials of IV All-Russia conference “New achievements in chemistry and chemical technology of plant raw material”. – Barnaul: ASTU, 2009. – p. 254-255. 5. Chukhchin D.G. Dewatering of effluents sediments of pulp-and-paper productions by the pressing method / D.G. Chukhchin, K.G. Bolotova, E.V. Novzhilov, O.M. Sokolov // Proceedings of Higher Educational Institutions “Lesnoi Zhurnal”, 2009. - №2. – p. 120-127. (Proceedings of Higher Educational Institutions). – ISSN 0536-1036. 6. Chukhchin D.G.Прессование микробной биомассы в смеси с различными материалами [Текст] / D.G. Chukhchin, K.G. Bolotova, E.V. Novzhilov, O.M. Sokolov // Science for the northern region: collection of scientific works. – Arkhangelsk: publishing house of ASTU, 2009. – issue 76. – p. 33-38. 			
Participation in EU’s Framework Programme projects <i>(please include information about no more than 3 projects, the most relevant ones)</i>	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		
Participation in other European programmes projects <i>(please include information about no more than 3 projects, the most relevant ones)</i>	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		
Participation in relevant Russian projects <i>(please include information about no more than 3 projects, the most relevant ones)</i>	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		



(!)Organization Name*	Arkhangelsk State Technical University		
(!)Department/Unit*	scientific-research department,		
(!)Head of Department / Unit (Name, Title)*	Gurjev Alexander Vladislavovich, head of the scientific-research department, Candidate of Technical Sciences, Ass.professor		
(!)Contact person (name, position in organization, title (Mr/Mrs/Dr or other)*	Gurjev Alexander Vladislavovich, head of the scientific-research department, Candidate of Technical Sciences, Ass. professor		
E-Mail*	a.gurjev@agtu.ru		
Phone (country code – city code – number)*	+7 8182 651044, 650092		
Fax (country code – city code – number)	+7 8182 201742		
Web-site	www.agtu.ru		
Organisation type	<input checked="" type="checkbox"/> University <input type="checkbox"/> Research Centre	<input type="checkbox"/> SME <input type="checkbox"/> Large Company	<input type="checkbox"/> Consultancy <input type="checkbox"/> Public Administration
(!)Organization Address*	Arkhangelsk, Severnaya Dvina Emb. 17		
Country*	Russia		
Russian Federal District	<input type="checkbox"/> Centre <input type="checkbox"/> Far-East	<input type="checkbox"/> South <input checked="" type="checkbox"/> Northwest	<input type="checkbox"/> Siberia <input type="checkbox"/> Ural <input type="checkbox"/> Volga
Competences in FP7 Theme “Environment (Including Climate Change)”	6.1 Climate Change, pollution and risks 6.3 Environmental technologies 6.3.1 Environmental technologies for observation, simulation, prevention, mitigation, adaptation, remediation and restoration of the natural and man-made environment 6.3.1.3 Waste 6.3.3 Technology assessment, verification and testing 6.3.3.2 Technology assessment 6.4.2.1 Tools for impact assessment		
Spheres, which are not listed above, related to your competences and can be of common EU-Russia cooperation interest in Environment	Complex low-waste or waste-free use and utilization of the components of wood biomass, products of its processing and secondary fiber resources. Possibility of getting principally new advanced technology products.		
Short description of the organization/department/research team* (max 12 lines): It is possible to create a mobile research team entered by young scientist, PhD students, students able to formulate, analyze and solve the tasks within the pointed above thematic areas of 7FP.			
Participation in EU’s Framework Programme projects <i>(please include information about no more than 3 projects, the most relevant ones)</i>	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		
Participation in other European programmes projects <i>(please include information about no more than 3 projects, the most relevant ones)</i>	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		
Participation in relevant Russian projects <i>(please include information about no more than 3 projects, the most relevant ones)</i>	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		



E-URAL “European Union and Russia link for S&T co-operation in the area of the Environment”

(!)Organization Name*	Arkhangelsk State Technical University		
(!)Department/Unit*	department of pulp and paper technology		
(!)Head of Department / Unit (Name, Title)*	Komarov Valery Ivanovich, professor, Doctor of Science		
(!)Contact person (name, position in organization, title (Mr/Mrs/Dr or other)*	Dr. Yakov Vladimirovich Kazakov, As.professor, department of pulp and paper technology		
E-Mail*	kazakov@agtu.ru		
Phone (country code – city code – number)*	+7(8182) 65-00-92		
Fax (country code – city code – number)	+7(8182)28-76-14		
Web-site	www.agtu.ru/kazakov		
Organisation type	<input checked="" type="checkbox"/> University <input type="checkbox"/> Research Centre	<input type="checkbox"/> SME <input type="checkbox"/> Large Company	<input type="checkbox"/> Consultancy <input type="checkbox"/> Public Administration
(!)Organization Address*	Arkhangelsk, Severnaya Dvina Emb. 17		
Country*	Russia		
Russian Federal District	<input type="checkbox"/> Centre <input type="checkbox"/> Far-East	<input type="checkbox"/> South <input checked="" type="checkbox"/> Northwest	<input type="checkbox"/> Siberia <input type="checkbox"/> Ural <input type="checkbox"/> Volga
Competences in FP7 Theme “Environment (Including Climate Change)”	6.3.1.4 Clean technologies 6.3.3.2 Technology assessment 6.4.2.1 Tools for impact assessment		
Participation in EU’s Framework Programme projects <i>(please include information about no more than 3 projects, the most relevant ones)</i>			<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
Participation in other European programmes projects <i>(please include information about no more than 3 projects, the most relevant ones)</i>			<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
Participation in relevant Russian projects <i>(please include information about no more than 3 projects, the most relevant ones)</i>			<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO



(!)Organization Name*		Arkhangelsk State Technical University			
(!)Department/Unit*		Department of engineering geology and foundations			
(!)Head of Department / Unit (Name, Title)*		Nevzorov Alexander Leonidovich, head of department of engineering geology and foundations, professor			
(!)Contact person (name, position in organization, title (Mr/Mrs/Dr or other)*		Prof. Alexander Leonidovich Nevzorov, doctor of sciences (engineering), professor			
E-Mail*		aln@agtu.ru			
Phone (country code – city code – number)*		+7 8182 21 89 23			
Fax (country code – city code – number)		+7 8182 28 76 14			
Web-site		www.agtu.ru			
Organisation type		<input checked="" type="checkbox"/> University	<input type="checkbox"/> SME	<input type="checkbox"/> Consultancy	
		<input type="checkbox"/> Research Centre	<input type="checkbox"/> Large Company	<input type="checkbox"/> Public Administration	
(!)Organization Address*		Arkhangelsk, Severnaya Dvina Emb. 17			
Country*		Russia			
Russian Federal District		<input type="checkbox"/> Centre	<input type="checkbox"/> South	<input type="checkbox"/> Siberia	
		<input type="checkbox"/> Far-East	<input checked="" type="checkbox"/> Northwest	<input type="checkbox"/> Ural	
				<input type="checkbox"/> Volga	
Competences in FP7 Theme “Environment (Including Climate Change)”		6.2.1.5 Urban development 6.3.1.2 Soil 6.3.1.3 Waste			
Spheres, which are not listed above, related to your competences and can be of common EU-Russia cooperation interest in Environment		Department of engineering geology and foundations consists of 12 persons with the average age of 32. The sphere of interests – investigation of properties of clay and peat soils, land-fills of industrial and household wastes, building foundations.			
Publications (other references) (max 10):					
<ol style="list-style-type: none"> 1. Nevzorov A.L., Koptayev V.V., S.A. Uvarov. Geocological justification of tailing dams construction of enclosing the development of tubes "Arkhangelsk" in diamond mining named after M.V. Lomonosov. Herald of Arkhangelsk State Technical University, Issue 66/ Arkhangelsk: ASTU, 2006 – p. 130-136 2. Nevzorov A.L., Krieger E.V., Kudryavtsev S.A., Paramonov V.N. Technique and results of studying soil thermal field in the area affected by water pipeline. Geotechnical engineering for disaster prevention and reduction: Proceedings of International Geotechnical Symposium (IGSS, 2007) 24-26 July, 2007, Yuzhno-Sakhalinsk, Russia, p.600-605 3. Nevzorov A.L., Aksenov S.E., Kozmin D.D. Experience of soil-cement structure in Arkhangelsk. International conference on sustainability in cement and concrete industry – Norway: Lillehammer, 2007.- p. 375-380 4. Nevzorov A.L., Ivko V.R., Nikitin V.I., Zakharova E.I. On possibility of using the experience of irrigation-and-drainage works under engineering preparation of boggy territories for the development of natural resources. Herald of Arkhangelsk State Technical University, series “Applied Geocology” Issue 70. – Arkhangelsk: ASTU, 2007 – p. 120-126 5. Nevzorov A.L., Korzhunov A.A. Study of the properties of tailing sediments as the source of technogeneous load on the environment. Proceedings of Higher Educational Institutions “Lesnoi Zhurnal”, 2007, N 4, - p. 140-144 6. Nevzorov A.L., Korzhunov A.A. Complex research of tailing sediments when using them as the main component of anti-filtration screens in design of landfills. Geotechnics of Belarussia: Science and practice: collection of articles of international scientific-research conference. – Minsk: Belarussian national technical university, 2008 – p. 322-330. 7. Nevzorov A.L., Nikitin A.V., Zaruhevnykh A.V., Veshnyakov V.A. Forecast of peat settlement in-time under the layer of anthropogenic sediments. Theoretical bases of building engineering: proceedings of XVIII Russian-Slovakian-Polish seminar: Moscow-Warsaw-Arkhangelsk: Oficyna Wydawnicza Politechniki Warszawskiej, 2009, p. 449-456 8. Nevzorov A.L., Korzhunov A.A. Problems and directions of utilization of wastes of ore dressing at diamond deposits named after M.V. Lomonosov. Problems of the regional ecology: public-scientific magazine. – 2009. – N 2, p. 213-216 9. Nevzorov A.L., Krieger E.V., Kudryavtsev S.A., Paramonov V.N. Seasonal freezing of soil in the water supply influence zone with heat insulation. Herald of Tomsk State Architectural-building University; scientific issue. ISSN 1607-1859. – 2010. –N 1, p. 201-208, Issue 66/ Arkhangelsk: ASTU, 2006 – p. 130-136 					
Scientific keywords		geoecology	soils	wastes	landfills
					utilization
Participation in EU’s Framework Programme projects <i>(please include information about no more than 3 projects, the most relevant ones)</i>				<input type="checkbox"/> YES	
				<input checked="" type="checkbox"/> NO	



E-URAL “European Union and Russia link for S&T co-operation in the area of the Environment”

Participation in other European programmes projects <i>(please include information about no more than 3 projects, the most relevant ones)</i>	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
Participation in relevant Russian projects <i>(please include information about no more than 3 projects, the most relevant ones)</i>	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO



(!)Organization Name*	Arkhangelsk State Technical University		
(!)Department/Unit*	department of biotechnology		
(!)Head of Department / Unit (Name, Title)*	Novozhilov Evgeny Vsevolodovich, professor, Doctor of Science		
(!)Contact person (name, position in organization, title (Mr/Mrs/Dr or other)*	Evgeny Vsevolodovich Novozhilov, head of the department of biotechnology, professor, doctor of technical sciences		
E-Mail*	biotech@agtu.ru		
Phone (country code – city code – number)*	+78182-21 89 65		
Fax (country code – city code – number)	+7(8182)28-76-14		
Web-site	www.agtu.ru		
Organisation type	<input checked="" type="checkbox"/> University <input type="checkbox"/> Research Centre	<input type="checkbox"/> SME <input type="checkbox"/> Large Company	<input type="checkbox"/> Consultancy <input type="checkbox"/> Public Administration
(!)Organization Address*	Arkhangelsk, Severnaya Dvina Emb. 17		
Country*	Russia		
Russian Federal District	<input type="checkbox"/> Centre <input type="checkbox"/> Far-East	<input type="checkbox"/> South <input checked="" type="checkbox"/> Northwest	<input type="checkbox"/> Siberia <input type="checkbox"/> Ural <input type="checkbox"/> Volga
Competences in FP7 Theme “Environment (Including Climate Change)”	6.3 Environmental technologies 6.3.1.2 Soil 6.3.1.3 Waste		
Spheres, which are not listed above, related to your competences and can be of common EU-Russia cooperation interest in Environment	Use of ecologically clean enzyme technologies in different branches		
Short description of the organization/department/research team* (max 12 lines): The department of biotechnology (15 persons). The sphere of interests: bioconversion of plant raw material, rational use of production wastes, ecologically clean enzyme technologies, research in the field of control and monitoring of biotechnological processes, automation of measurements			
Publications (other references) (max 10): - Aksyonov A.S., Novozhilov E.V., Demashev O.A., Oparina A.A. Industrial use of xylanase under bleaching of sulfate pulp // «Pulp. Paper. Cardboard». Pilot scientific issue. 2006. p. 15-17. - Emelyanov M.V., Novozhilov E.V. Perspectives of using lipase in pulp-and-paper production // Proceedings of Higher Educational Institutions, «Lesnoi Zhurnal», 2007. № 1, p. 110-118. - Aksyonov A.S., Chukhchin D.G., Novozhilov E.V., Benevolensky S.V. Chulkin A.M. Influence of fractions of enzyme preparations xylanase on brightness of sulfate pulp // Proceedings of Higher Educational Institutions, «Lesnoi Zhurnal», 2007. № 2, p. 90-96. - Sokolov O.M., Bogdanovich N.I., Bogolitsyn K.G., Gelfand E.D., Komarov V.I., Novozhilov E.V., Khabarov Yu.G. Innovations in the sphere of chemical wood processing // Business Glory of Russia. Inter-branch almanac. III issue. 2007, p. 50-54. - Bolotova K.S. Chukhchin D.G., Novozhilov E.V., Sokolov O.M. Dewatering of effluents sediments of pulp-and-paper production by the pressing method // Proceedings of Higher Educational Institutions, «Lesnoi Zhurnal», 2009. № 2. p.105-116. - Morozova V.V., Semenova M.V., Rozhkova A.M., Kondratieva E.G., Okunev O.N., Bekkarevich A.O., Novozhilov E.V., Sinitsyn A.P.. Influence of the number of cycles of pulp processing from the waste paper on its hydrolysable character by cellulases //Applied biochemistry and microbiology. 2010. Volume 46. № 3. p. 397-400.			
Participation in EU’s Framework Programme projects <i>(please include information about no more than 3 projects, the most relevant ones)</i>	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		
Participation in other European programmes projects <i>(please include information about no more than 3 projects, the most relevant ones)</i>	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		
Participation in relevant Russian projects <i>(please include information about no more than 3 projects, the most relevant ones)</i>	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		



(!)Organization Name*	Arkhangelsk State Technical University		
(!)Department/Unit*	Department of theoretical and applied chemistry		
(!)Head of Department / Unit (Name, Title)*	Bogolitsyn Konstantin Grigorjevich, professor		
(!)Contact person (name, position in organization, title (Mr/Mrs/Dr or other)*	Dr. Alexandra Sergeevna Pochtovalova, department of theoretical and applied chemistry, candidate of sciences (chemistry), ass.professor		
E-Mail*	apochtovalova@yandex.ru		
Phone (country code – city code – number)*	+7-8182-218948		
Fax (country code – city code – number)	+7-8182-218948		
Web-site	www.agtu.ru		
Organisation type	<input checked="" type="checkbox"/> University <input type="checkbox"/> Research Centre	<input type="checkbox"/> SME <input type="checkbox"/> Large Company	<input type="checkbox"/> Consultancy <input type="checkbox"/> Public Administration
(!)Organization Address*	Arkhangelsk, Severnaya Dvina Emb. 17		
Country*	Russia		
Russian Federal District	<input type="checkbox"/> Centre <input type="checkbox"/> Far-East	<input type="checkbox"/> South <input checked="" type="checkbox"/> Northwest	<input type="checkbox"/> Siberia <input type="checkbox"/> Ural <input type="checkbox"/> Volga
Competences in FP7 Theme “Environment (Including Climate Change)”	6.1.1.2 Emissions and pressures: Natural and anthropogenic 6.2 Sustainable management of resources 6.3 Environmental technologies 6.3.1 Environmental technologies for observation, simulation, prevention, mitigation, adaptation, remediation and restoration of the natural and man-made environment 6.3.1.1 Water		
Participation in EU’s Framework Programme projects <i>(please include information about no more than 3 projects, the most relevant ones)</i>			<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
Participation in other European programmes projects <i>(please include information about no more than 3 projects, the most relevant ones)</i>			<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
Participation in relevant Russian projects <i>(please include information about no more than 3 projects, the most relevant ones)</i>			<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO



(!)Organization Name*	Arkhangelsk State Technical University		
(!)Department/Unit*	Department of theoretical and applied chemistry		
(!)Head of Department / Unit (Name, Title)*	Bogolitsyn Konstantin Grigorjevich, professor		
(!)Contact person (name, position in organization, title (Mr/Mrs/Dr or other)*	Dr. Natalia Radievna Popova, professor of the department of theoretical and applied chemistry, candidate of sciences (chemistry)		
E-Mail*	n.popova@agtu.ru		
Phone (country code – city code – number)*	+7-8182-218948		
Fax (country code – city code – number)	+7-8182-218948		
Web-site	www.agtu.ru		
Organisation type	<input checked="" type="checkbox"/> University <input type="checkbox"/> Research Centre	<input type="checkbox"/> SME <input type="checkbox"/> Large Company	<input type="checkbox"/> Consultancy <input type="checkbox"/> Public Administration
(!)Organization Address*	Arkhangelsk, Severnaya Dvina Emb. 17		
Country*	Russia		
Russian Federal District	<input type="checkbox"/> Centre <input type="checkbox"/> Far-East	<input type="checkbox"/> South <input checked="" type="checkbox"/> Northwest	<input type="checkbox"/> Siberia <input type="checkbox"/> Ural <input type="checkbox"/> Volga
Competences in FP7 Theme “Environment (Including Climate Change)”	6.3.1 Environmental technologies for observation, simulation, prevention, mitigation, adaptation, remediation and restoration of the natural and man-made environment 6.3.1.1 Water 6.3.1.2 Soil 6.3.1.7 Air technologies		
Spheres, which are not listed above, related to your competences and can be of common EU-Russia cooperation interest in Environment	Chemistry of environment, analytical chemistry of environmental objects		
Participation in EU’s Framework Programme projects <i>(please include information about no more than 3 projects, the most relevant ones)</i>	<input type="checkbox"/> YES		<input checked="" type="checkbox"/> NO
Participation in other European programmes projects <i>(please include information about no more than 3 projects, the most relevant ones)</i>	<input type="checkbox"/> YES		<input checked="" type="checkbox"/> NO
Participation in relevant Russian projects <i>(please include information about no more than 3 projects, the most relevant ones)</i>	<input type="checkbox"/> YES		<input checked="" type="checkbox"/> NO



(!)Organization Name*	Arkhangelsk State Technical University		
(!)Department/Unit*	Department of theoretical and applied chemistry		
(!)Head of Department / Unit (Name, Title)*	Bogolitsyn Konstantin Grigorjevich, professor		
(!)Contact person (name, position in organization, title (Mr/Mrs/Dr or other)*	Prof. Tatiana Eduardovna Srebets, professor, candidate of sciences (chemistry)		
E-Mail*	t.skrebets@agtu.ru		
Phone (country code – city code – number)*	+7-8182-218948		
Fax (country code – city code – number)			
Web-site	www.agtu.ru		
Organisation type	<input checked="" type="checkbox"/> University <input type="checkbox"/> Research Centre	<input type="checkbox"/> SME <input type="checkbox"/> Large Company	<input type="checkbox"/> Consultancy <input type="checkbox"/> Public Administration
(!)Organization Address*	Arkhangelsk, Severnaya Dvina Emb. 17		
Country*	Russia		
Russian Federal District	<input type="checkbox"/> Centre <input type="checkbox"/> Far-East	<input type="checkbox"/> South <input checked="" type="checkbox"/> Northwest	<input type="checkbox"/> Siberia <input type="checkbox"/> Ural <input type="checkbox"/> Volga
Competences in FP7 Theme “Environment (Including Climate Change)”	<p>6.2 Sustainable management of resources</p> <p>6.2.1 Conservation and sustainable management of natural and man-made resources and biodiversity</p> <p>6.2.1.1 Integrated resource management</p> <p>6.2.1.2 Water resources</p> <p>6.2.1.6 Integrated forest research</p> <p>6.3.1 Environmental technologies for observation, simulation, prevention, mitigation, adaptation, remediation and restoration of the natural and man-made environment</p> <p>6.3.1.3 Waste</p> <p>6.3.1.4 Clean technologies</p> <p>6.3.1.7 Air technologies</p> <p>6.3.3 Technology assessment, verification and testing</p> <p>6.3.3.1 Risk assessment of chemicals and alternative strategies for testing</p> <p>6.3.3.2 Technology assessment</p> <p>6.4.2 Forecasting methods and assessment tools for sustainable development taking into account differing scales of observation</p> <p>6.4.2.1 Tools for impact assessment</p> <p>6.4.2.2 Sustainable development indicators</p> <p>6.4.2.3 Interplay between social, economic and ecological systems</p>		
Participation in EU’s Framework Programme projects <i>(please include information about no more than 3 projects, the most relevant ones)</i>			<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
Participation in other European programmes projects <i>(please include information about no more than 3 projects, the most relevant ones)</i>			<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
Participation in relevant Russian projects <i>(please include information about no more than 3 projects, the most relevant ones)</i>			<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO



(!)Organization Name*	Northern State Medical University		
(!)Department/Unit*	Arkhangelsk International School of Public Health (ISPHA)		
(!)Head of Department / Unit (Name, Title)*	Prof. Andrey Grzhibovsky, MD. PhD		
(!)Contact person (name, position in organization, title (Mr/Mrs/Dr or other)*	Dr. Yury Sumarokov		
E-Mail*	sioury@mail.ru		
Phone (country code – city code – number)*	+78182285759		
Fax (country code – city code – number)	+78182263226		
Web-site	www.nsmu.ru		
Organisation type	<input checked="" type="checkbox"/> University <input type="checkbox"/> Research Centre	<input type="checkbox"/> SME <input type="checkbox"/> Large Company	<input type="checkbox"/> Consultancy <input type="checkbox"/> Public Administration
(!)Organization Address*	Troitsky, 49		
Country*	Russia		
Russian Federal District	<input type="checkbox"/> Centre <input type="checkbox"/> Far-East	<input type="checkbox"/> South <input checked="" type="checkbox"/> Northwest	<input type="checkbox"/> Siberia <input type="checkbox"/> Ural <input type="checkbox"/> Volga
Competences in FP7 Theme “Environment (Including Climate Change)”	6.1.2 Environment and health 6.1.2.1 Health impacts of climate change 6.1.2.2 Health effects of environmental stressors other than climate change 6.1.2.3 Methods and decision support tools for environmental health risk analysis and policy development		
Short description of the organization/department/research team* (max 12 lines): NSMU – is the northernmost Russian medical university. It works for the 6 regions of North-West Russia. Nowadays about 9500 students study at the faculties of NSMU. University buildings and clinics are provided with up-to-date equipment. There are 55 departments, 27 of them are clinical based in the best clinics of the city. The exchange of periodical and scientific publications with universities from Scandinavian countries and Germany has been arranged. Arkhangelsk International School of Public health is recognized by ASPHER (European association).			
Participation in EU’s Framework Programme projects <i>(please include information about no more than 3 projects, the most relevant ones)</i>	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		
Participation in other European programmes projects <i>(please include information about no more than 3 projects, the most relevant ones)</i>	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		
Participation in relevant Russian projects <i>(please include information about no more than 3 projects, the most relevant ones)</i>	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		
Description of other previous and present experience in International Cooperation (max. 10 lines) The Arkhangelsk International School of Public Health (ISPHA) has been founded at Northern State Medical University in 2006. In September 2006, the school was officially opened as a part of international cooperation between NSMU and Nordic universities with financial support of the collaboration programme of health care affairs and social issues in the Barents Euro-Arctic region. The School is a result of international cooperation with seven universities: Northern State Medical University, Arkhangelsk (Russia), Institute of Community Medicine of the University of Tromsø (Tromsø, Norway), Nordic School of Public Health (Gothenburg, Sweden), Umeå International School of Public Health (Umeå, Sweden), Mid-Sweden University (Sundsvall, Sweden), Tampere School of Public Health (Tampere, Finland), National Institute of Public Health (Oslo, Norway). These seven universities compose affiliate network in the frame of the project and all of them take active part in School activity by means of teaching staff. During existence ISPHA has established a reputation both in Russia and abroad. In October 2007 ISPHA became first, and for present time it is only one, Russian School of Public Health, accepted as a member to Association of schools of Public Health in the European region (ASPHER). In December 2007 ISPHA has been presented in WHO bulletin as one of the first educational institution in Russia in Public Health area, proposing education in Public Health sphere in accordance with international standards. ISPHA’s ongoing research projects have already been presented at the highest international level including the World Congress of Epidemiology in Porto Alegre, Brazil in September 2008, the Annual Meeting of the European Public Health Association in Lisbon, Portugal in November 2008, and the XII World Public Health Congress in Istanbul, Turkey in May 2009.			

INTEREST IN FP7 OPEN CALLS

Call identifier*	
Topic(s) number*	
Call Deadline*	



E-URAL “European Union and Russia link for S&T co-operation in the area of the Environment”

Role in the project*	<input checked="" type="checkbox"/> Coordinator	
	<input checked="" type="checkbox"/> Partner	
Type of suggested activities*	<input type="checkbox"/> RTD	<input checked="" type="checkbox"/> Training
	<input type="checkbox"/> Demonstration	<input type="checkbox"/> Coordination
		<input type="checkbox"/> Support
		<input checked="" type="checkbox"/> Management
Project proposal (for coordinators)/Expertise offered (for partners)* (max 500 words):		
School is working to increase the level of knowledge in methods of research and practice in the field of public health and promote the implementation of this knowledge in Northwest Russia through providing a Master of Public Health education at the Northern State Medical University in Arkhangelsk.		
For coordinators: please describe the partner(s) you look for		
Cooperation in evaluation of environmental impact for health		



(!)Organization Name*	Kuban State University				
(!)Department/Unit*	Novorossiysk educational and research marine biological center of the Kuban State University				
(!)Head of Department / Unit (Name, Title)*	Bolgova Lidiya Vasilevna				
(!)Contact person (name, position in organization, title (Mr/Mrs/Dr or other)*	Dr Lidiya Vasilevna Bolgova				
E-Mail*	biozentr@yandex.ru				
Phone (country code – city code – number)*	10 8617 712003				
Fax (country code – city code – number)	10 8617 715797				
Web-site					
Organisation type	<input checked="" type="checkbox"/> University <input type="checkbox"/> Research Centre	<input type="checkbox"/> SME <input type="checkbox"/> Large Company	<input type="checkbox"/> Consultancy <input type="checkbox"/> Public Administration		
(!)Organization Address*	Naberezhnaya, 43, Novorossiysk				
Country*	Russia				
Russian Federal District	<input type="checkbox"/> Centre <input type="checkbox"/> Far-East	<input checked="" type="checkbox"/> South <input type="checkbox"/> Northwest	<input type="checkbox"/> Siberia <input type="checkbox"/> Ural <input type="checkbox"/> Volga		
Competences in FP7 Theme "Environment (Including Climate Change)"	6.2.1.2 Water resources 6.2.1.4 Biodiversity 6.2.2 Management of marine environments 6.2.2.1 Marine resources 6.3.1.1 Water 6.3.1.6 Marine environment				
Short description of the organization/department/research team* (max 12 lines): The Novorossiysk educational and research marine biological centre of the Kuban State University is the oldest establishment based in 1920 (the former Novorossiysk marine biological station). It is engaged in studying of a condition of sea water, bottom sediments, structures of sea ecosystems in the conditions of a chronic anthropogenous press, influence of various sources of pollution on development of sea hydrobionts, studying of processes of accumulation pollutants in objects of the Black Sea.					
Publications (other references) (max 10): 1. Efimova O.V., Mironova O.V. Modern status of hydrochemical mode of water area of the Novorossiysk port // News of higher educational institutions. The North Caucasian region. Natural sciences. 2001. N 3. P. 62-63. 2. Ermakova E.P., Gavrilova E.I. Long-term track records some microbiologic factors beside Sheskaris cape at Novorossiysk bay // News of higher educational institutions. The North Caucasian region. Natural sciences. 2004. 2. P. 85-88. 3. Teyubova V.F. Inter-annual dynamics of specific composition and structure of macroalgae in the Novorossiysk bay (the Black Sea) // Ekologiya morya. 2005. N 69. P. 53-57. 4. Bolgova L.V., Lugovaya I.M. Modern condition of planktonic communities in area of peninsula Tamanskiy of the Black Sea // News of higher educational institutions. The North Caucasian region. Natural sciences. 2009. N 4. P. 86-92. 5. Zagorskaya A.S. Faunistic structure of polychaeta of the Novorossiysk bay // News of higher educational institutions. The North Caucasian region. Natural sciences. 2009. N 4. P. 92-96. 6. Studigrad N.P. Elements of intraspecific morphological distinctions of mass, thermophilic forms ichtiological plankton northeast coast of the Black Sea / Materials of the third international scientifically-practical conference "Sea coastal ecosystems". Vladivostok: TINRO-CENTR, 2009. P. 78-83. 7. Bolgova L.V., Studigrad N.P. The ichtioplankton of the Novorossiysk bay during 2000-2005 // News of higher educational institutions. The North Caucasian region. Natural sciences. 2010. N 2. P. 68-72.					
Scientific keywords	monitoring	pollution	bioresources	ecosystem	ecoanalytics



(!)Organization Name*	Southern Federal University		
(!)Department/Unit*	Training Scientific Research Institute of Valeology		
(!)Head of Department / Unit (Name, Title)*	Dr. Lyudmila Ivanickaya, Director, PhD Biology		
(!)Contact person (name, position in organization, title (Mr/Mrs/Dr or other)*	Dr. Vera Khrenkova, Academic secretary, PhD Biology		
E-Mail*	vhrenkova@sfedu.ru		
Phone (country code – city code – number)*	(+7863)2284790		
Fax (country code – city code – number)	(+7863)2284790		
Web-site	http://valeo.sfedu.ru/		
Organisation type	<input checked="" type="checkbox"/> University <input checked="" type="checkbox"/> Research Centre	<input type="checkbox"/> SME <input type="checkbox"/> Large Company	<input type="checkbox"/> Consultancy <input type="checkbox"/> Public Administration
(!)Organization Address*	Stachki, 194/1, 344090, Rostov-on-Don		
Country*	Russian Federation		
Russian Federal District	<input type="checkbox"/> Centre <input type="checkbox"/> Far-East	<input checked="" type="checkbox"/> South <input type="checkbox"/> Northwest	<input type="checkbox"/> Siberia <input type="checkbox"/> Ural <input type="checkbox"/> Volga
Competences in FP7 Theme "Environment (Including Climate Change)"	6.1.2 Environment and health 6.1.2.2 Health effects of environmental stressors other than climate change 6.1.2.3 Methods and decision support tools for environmental health risk analysis and policy development		
Spheres, which are not listed above, related to your competences and can be of common EU-Russia cooperation interest in Environment	1. Psychophysiological background of cognitive activity 2. Physiological mechanisms for forming functional status, methods and means of its management. 3. Mechanisms for forming, developing and preserving health in ontogenesis		
Short description of the organization/department/research team* (max 12 lines): Study and research Institute of health science was established in RSU (SFU since 2007) in 1998. The institute was established and directed by (19998 -2004) corresponding member of RAS, honoured scientist of the RF, DrSc. In Biology, Professor Grigory Kuraev. The Institute comprises: <ul style="list-style-type: none"> • Laboratory of psychophysiology and ergonomics • Laboratory of health science • Research and study center "Health science" • Research group «Psychophysiological research of higher intellectual functions of organism » The research institutie has published magazine "Valeology" since 1996. The magazine was established by the RF Ministry for Education and is accepted by Higher Attestation Committee.			
Publications (other references) (max 10): <ol style="list-style-type: none"> 1. Aydarkin E.K., Pakhomov N.V. Efficiency and functional status. – Rostov-on-Don: "ZVVR" Publishers. - 2004. – 217 p. 2. Kuraev G.A., Ivanitskaya L.N., Bondin V.I., Pokul S.Y. Peculiarities of summary electric activity in the brain of healthy young men doing sport . // Physical education: upbringing, education, training. -2006.- №1.- pp.15-18. 3. Chorayan O.G. Mentality in cognitology. [text]: Monograph / Chorayan O.G, Chorayan I.O.: Rostov-on-Don: "ZVVR" Publishers., 2007. – 92 p. 4. Aydarkin E.K. Technique of filing and the content of «Health passport» of a pupil / Aydarkin E.K., Ivanitskaya L.N., Lednova M.I., Morozova G.I., Bakhtin O.M., Martynova G.B., Zubareva Y.S. // Valeology. – 2007.- №2. – pp.37-41. 5. Aydarkin E.K., Ivanitskaya L.N. Age-related health issues and health-preserving educational technologies. // Teacher's book. SFU. 2008.- 176 p. 6. Kazin E.M., Aydarkin E.K., Fedorov A.I., Belonogova E.V., Pratsun E.V. Students' health as basic adaptive and social value // Valeology, 2008, №3, pp.18-24 7. Ivanitskaya L.N., Ovchinnikov K.V. Interconnection of vegetative nervous system with indices of brain bioelectric activity // Valeology.- 2008, №1, PP.61-63 8. Aydarkin E.K., Kundupyan O.L., Starostin A.N., Kundupyan Y.L. Changes of vegetative indices under the effect of odorants // " Valeology " 4, 2009.- C.23-33. 			



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9. Ivanitskaya L.N., Pustovaya O.V. Research of impact of chronic alcohol intoxication on the indices of brain bioelectric activity // Valeology. 2009, №3, pp.67-75					
Scientific keywords	✓ Health	✓ Ontogenesis	✓ Functional status control	✓ Monitoring	✓ Environment
Participation in EU's Framework Programme projects <i>(please include information about no more than 3 projects, the most relevant ones)</i>				<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
Participation in other European programmes projects <i>(please include information about no more than 3 projects, the most relevant ones)</i>				<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
Participation in relevant Russian projects <i>(please include information about no more than 3 projects, the most relevant ones)</i>				<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO



(!)Organization Name*		Saratov State Agrarian University named after N.I.Vavilov				
(!)Department/Unit*		Faculty «Land improvement, reclamation and land protection»				
(!)Head of Department / Unit (Name, Title)*		Kravchuk Aleksey Vladimirovich, head of <i>Faculty, professor</i>				
(!)Contact person (name, position in organization, title (Mr/Mrs/Dr or other)*		Prof. Nina Anatolyevna Pronko				
E-Mail*		n_pronko@mail.ru				
Phone (country code – city code – number)*		+7-8452-749645; +7-8452-749617				
Fax (country code – city code – number)		7-8452-26-23-07				
Web-site		www.sgau.ru				
Organisation type		<input checked="" type="checkbox"/> University <input type="checkbox"/> Research Centre	<input type="checkbox"/> SME <input type="checkbox"/> Large Company	<input type="checkbox"/> Consultancy <input type="checkbox"/> Public Administration		
(!)Organization Address*		410012, Saratov, Teatralnaya pl.,1.				
Country*		Russian Federation				
Russian Federal District		<input type="checkbox"/> Centre <input type="checkbox"/> Far-East	<input type="checkbox"/> South <input type="checkbox"/> Northwest	<input type="checkbox"/> Siberia <input type="checkbox"/> Ural <input checked="" type="checkbox"/> Volga		
Competences in FP7 Theme “Environment (Including Climate Change)”		6.2.1.2 Water resources 6.2.1.3 Soil research and desertification 6.3.1.2 Soil				
Short description of the organization/department/research team* (max 12 lines): Improvement of systems of landscape specific agriculture and monitoring of irrigated agricultural landscapes of the Volga region. The group studies the impact of long-term irrigation on agricultural systems of the Volga region, including the changes of prospective and efficient fertility, aquatic, physical and land reclamation properties; it develops ways of rehabilitation of soil fertility (improvement of irrigation ways and regimes, fertilizing systems and phytomelioration technologies); the group as well models the processes of moist and salt transition and develops scientific background for agro environmental monitoring of irrigated landscapes on the basis of GIS technologies.						
Publications (other references) (max 10): 1. Pronko N.A., Romanova L.G., Falkovich A.S. Changes of fertility of irrigated chestnut soil of the Volga region in the process of long-term use and scientific background of its regulation./ FSUE HPE «Saratov SAU». Saratov, 2005. – 220 p. 2. Falkovich A.S., Pronko N.A. Moisture conductivity functions as characteristics of physical status of irrigated soil // Plodorodiye, M. 2005, №3. – P. 39-40 3. Pronko N.A., Romanova L.G. Changes of fertility of irrigated chestnut soil of the Volga region in the process of long-term irrigation and the ways of its rehabilitation // Plodorodiye, 2005, №4 – pp. 31-32 4. Falkovich A.S., Pronko N.A. Moisture conductivity functions as characteristics of physical status of irrigated soil // Plodorodiye, M. 2005, №3. – pp. 39-40 5. Pronko N.A., Romanova L.G. Changes of fertility of irrigated chestnut soil of the Volga region in the process of long-term irrigation and the ways of its rehabilitation // Plodorodiye, 2005, №4 – pp. 31-32 6. Pronko N.A., Falkovich A.S., Burunova V.S., Shevchenko E.N. The impact of irrigation technogenesis on the aquatic – salt regime of dark chestnut soil and formation of plant complexes in Saratov Volga region/ FSUE HPE «Saratov SAU». Saratov, 2006. – 120 c 7. Pronko N.A., Korsak V.V., Korneva T.V. The application of geoinformation technologies for monitoring reclamation state of irrigated lands in dry steppe area of the Volga region// Land reclamation and water economy. – 2008. №6. – pp. 36-38. 8. Pronko N.A., Korsak V.V., Kholuddeneva O.Y., Korneva T.V. Information technologies of efficient land use on the irrigated lands of the Volga region – Saratov, 2009. – 218 p.						
Scientific keywords		<input checked="" type="checkbox"/> soil	<input checked="" type="checkbox"/> fertility	<input checked="" type="checkbox"/> degradation	<input checked="" type="checkbox"/> monitoring	<input checked="" type="checkbox"/> modelling
Participation in EU’s Framework Programme projects <i>(please include information about no more than 3 projects, the most relevant ones)</i>				<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		
Participation in other European programmes projects <i>(please include information about no more than 3 projects, the most relevant ones)</i>				<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO		
If yes:						
Project(s) description	Title	Preparation of study programs on the protection of land and water resources using information and communication technologies				
	Acronym	TEMPUS- TESIS (CD_JEP-21051-2000 (SWARP-ICT))				



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	Duration	3 years		
	Web-site			
	Reference to the FP7 theme “Environment”	6.2.1.3. Study of soil and desertification 6.3.1.2. Soils		
	Project brief description	Preparation of study programs on the protection of land and water resources using information and communication technologies		
	Activities performed	<input checked="" type="checkbox"/> Research and Technological Development <input type="checkbox"/> Demonstration	<input type="checkbox"/> Management <input type="checkbox"/> Coordination	<input checked="" type="checkbox"/> Training <input type="checkbox"/> Support
<i>Please specify:</i>				
Project(s) description	Title	DESIRE		
	Acronym			
	Duration	3 years		
	Web-site			
	Reference to the FP7 theme “Environment”	6.2.1.3. Study of soil and desertification 6.3.1.2. Soils		
	Project brief description			
	Activities performed	<input checked="" type="checkbox"/> Research and Technological Development <input type="checkbox"/> Demonstration	<input type="checkbox"/> Management <input type="checkbox"/> Coordination	<input type="checkbox"/> Training <input type="checkbox"/> Support
<i>Please specify:</i>				
Participation in relevant Russian projects <i>(please include information about no more than 3 projects, the most relevant ones)</i>		<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO		
If yes:				
Project(s) description	Title	The development of resource- saving technologies and regional information system for managing the watering of agricultural plants on the irrigated lands of Saratov region		
	Acronym			
	Duration	1 year		
	Web-site			
	Reference to the FP7 theme “Environment”	6.2.1.3. Study of soil and desertification 6.3.1.2. Soils		
	Project brief description	The development of resource- saving technologies and regional information system for managing the watering of agricultural plants on the irrigated lands of Saratov region		
	Activities performed	<input checked="" type="checkbox"/> Research and Technological Development <input type="checkbox"/> Demonstration	<input checked="" type="checkbox"/> Management <input type="checkbox"/> Coordination	<input type="checkbox"/> Training <input type="checkbox"/> Support
<i>Please specify:</i>				
Project(s) description	Title	The development of scientific background for supporting geoinformation system for monitoring the condition of ameliorating agricultural grasslands in Saratov region		
	Acronym			
	Duration	1 year		
	Web-site			
	Reference to the FP7 theme “Environment”	6.2.1.3. Study of soil and desertification 6.3.1.2. Soils		
	Project brief description	The development of scientific background for supporting geoinformation system for monitoring the condition of ameliorating agricultural grasslands in Saratov region		
	Activities performed	<input checked="" type="checkbox"/> Research and Technological Development <input type="checkbox"/> Demonstration	<input checked="" type="checkbox"/> Management <input type="checkbox"/> Coordination	<input type="checkbox"/> Training <input type="checkbox"/> Support
<i>Please specify:</i>				
Project(s) description	Title	Carrying out integrated scientific research on the development of the programme and recommendations to increase the efficiency of irrigated land in Saratov region		
	Acronym			



E-URAL “European Union and Russia link for S&T co-operation in the area of the Environment”

Duration	1 year		
Web-site			
Reference to the FP7 theme “Environment”	6.2.1.3. Study of soil and desertification 6.3.1.2. Soils		
Project brief description	Carrying out integrated scientific research on the development of the programme and recommendations to increase the efficiency of irrigated land in Saratov region		
Activities performed	<input checked="" type="checkbox"/> Research and Technological Development <input type="checkbox"/> Demonstration	<input checked="" type="checkbox"/> Management <input type="checkbox"/> Coordination	<input type="checkbox"/> Training <input type="checkbox"/> Support
	<i>Please specify:</i>		

INTEREST IN FP7 OPEN CALLS

Call identifier*			
Topic(s) number*			
Call Deadline*			
Role in the project*	<input type="checkbox"/> Coordinator <input checked="" type="checkbox"/> Partner		
Type of suggested activities*	<input checked="" type="checkbox"/> RTD <input type="checkbox"/> Demonstration	<input type="checkbox"/> Training <input type="checkbox"/> Coordination	<input type="checkbox"/> Support <input type="checkbox"/> Management
Project proposal (for coordinators)/Expertise offered (for partners)* (max 500 words):			
For coordinators: please describe the partner(s) you look for			



(!)Organization Name*		“Research Institute of the Caspian Sea problems” Ltd.			
(!)Department/Unit*		Management department			
(!)Head of Department / Unit (Name, Title)*		Dr. Stepan A. Zubanov, General director			
(!)Contact person (name, position in organization, title (Mr/Mrs/Dr or other)*		Dr. Stepan A. Zubanov, General director			
E-Mail*		iprocam@mail.ru			
Phone (country code – city code – number)*		+7(8512)492300, 600753			
Fax (country code – city code – number)		+7(8512)492300, 600753			
Web-site		-			
Organisation type		<input type="checkbox"/> University <input type="checkbox"/> Research Centre <input checked="" type="checkbox"/> SME <input type="checkbox"/> Large Company <input type="checkbox"/> Consultancy <input type="checkbox"/> Public Administration			
(!)Organization Address*		6, 12/10 Kirova str., 414000 Astrakhan			
Country*		Russian Federation			
Russian Federal District		<input type="checkbox"/> Centre <input type="checkbox"/> Far-East <input type="checkbox"/> South <input type="checkbox"/> Northwest <input type="checkbox"/> Siberia <input type="checkbox"/> Ural <input checked="" type="checkbox"/> Volga			
Competences in FP7 Theme “Environment (Including Climate Change)”		6.1.1.2 Emissions and pressures: Natural and anthropogenic 6.2.1 Conservation and sustainable management of natural and man-made resources and biodiversity 6.2.1.2 Water resources 6.2.1.4 Biodiversity 6.2.2 Management of marine environments 6.2.2.1 Marine resources 6.3 Environmental technologies 6.3.1 Environmental technologies for observation, simulation, prevention, mitigation, adaptation, remediation and restoration of the natural and man-made environment 6.3.1.1 Water 6.3.1.2 Soil 6.3.1.3 Waste 6.3.1.5 Built environment 6.3.1.6 Marine environment 6.3.1.7 Air technologies			
Short description of the organization/department/research team* (max 12 lines):					
<p>Research Institute of the Caspian Sea problems is a research organization established in 2008 to carry out research in technical and natural sciences. Main activities of the institute cover oceanographic work, monitoring of environment condition and pollution, development of drafts for maximum permissible emissions and discharges of pollutants, environmental feasibility studies of economic activities of enterprises; hydrographic, geophysical and geochemical operations and mapping.</p>					
Publications (other references) (max 10):					
<ol style="list-style-type: none"> Kurapov A.A. et al. Heavy metals in the system “The Volga delta – North Caspian” // Yug Rossii. - № 4 – 2008 Kurapov A.A. et al. Environmental and economic background for construction of artificial reef zones in the North Caspian water area. // <i>Environment protection in oil and gas complex</i>. - № 5 – 2008 Kurapov A.A. et al. Environment of oil and gas complex of the Caspian Sea// <i>Environment protection in oil and gas complex</i>, 2009, №9, pp. 8-14 Nepomenko L.F. et al. Peculiarities of industrial environmental monitoring during the construction of prospecting well № 1 «Zapadno -rakushechnaya» at the license area belonging to “Caspian Oil Company” Ltd. // <i>Environment protection in oil and gas complex</i>, 2009, №9, pp. 25-29 Kurapov A.A. et al. Diagnosis of main pollution sources in oil and gas production areas located in the mixing zone of riverine and marine waters.// <i>Environment protection in oil and gas complex</i>, 2009, №9, C. 46-49 Kurapov A.A. et al. Rating, assessment and diagnosis of pollution in oil and gas bearing areas of the Russian seas (The example of the Caspian Sea). // Materials of the 3rd international scientific conference «Issues of Caspian ecosystem conservation under the conditions of oil and gas deposits development» (13-15 October 2009, Astrakhan). – Astrakhan: KaspNIRKh Publishers, 2009. – pp. 147 -151 					
Scientific keywords	✓ monitoring	✓ oceanology	✓ environment	✓ mapping	✓ ecological justification



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Participation in EU’s Framework Programme projects <i>(please include information about no more than 3 projects, the most relevant ones)</i>	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
Participation in other European programmes projects <i>(please include information about no more than 3 projects, the most relevant ones)</i>	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
Participation in relevant Russian projects <i>(please include information about no more than 3 projects, the most relevant ones)</i>	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO

INTEREST IN FP7 OPEN CALLS

Call identifier*			
Topic(s) number*			
Call Deadline*			
Role in the project*	<input type="checkbox"/> Coordinator <input checked="" type="checkbox"/> Partner		
Type of suggested activities*	<input checked="" type="checkbox"/> RTD <input type="checkbox"/> Demonstration	<input type="checkbox"/> Training <input type="checkbox"/> Coordination	<input checked="" type="checkbox"/> Support <input type="checkbox"/> Management
Project proposal (for coordinators)/Expertise offered (for partners)* (max 500 words):			
For coordinators: please describe the partner(s) you look for			



(!)Organization Name*	Sochi State University for Tourism and Recreation		
(!)Department/Unit*	City construction		
(!)Head of Department / Unit (Name, Title)*	Makarov Konstantin N.		
(!)Contact person (name, position in organization, title (Mr/Mrs/Dr or other)*	Konstantin N. Makarov		
E-Mail*	Ktk99@mail.ru		
Phone (country code – city code – number)*	+79882-35-82-62		
Organisation type	<input checked="" type="checkbox"/> University <input type="checkbox"/> Research Centre	<input type="checkbox"/> SME <input type="checkbox"/> Large Company	<input type="checkbox"/> Consultancy <input type="checkbox"/> Public Administration
(!)Organization Address*	354000 Sovetskaya 26 a, Sochi		
Country*	Russia		
Russian Federal District	<input type="checkbox"/> Centre <input type="checkbox"/> Far-East	<input checked="" type="checkbox"/> South <input type="checkbox"/> Northwest	<input type="checkbox"/> Siberia <input type="checkbox"/> Ural <input type="checkbox"/> Volga
Competences in FP7 Theme “Environment (Including Climate Change)”	6.1.1 Pressures on environment and climate 6.2.1 Conservation and sustainable management of natural and man-made resources and biodiversity 6.2.1.1 Integrated resource management 6.2.1.5 Urban development 6.2.2.1 Marine resources 6.3.1.1 Water 6.3.1.6 Marine environment 6.4.2.1 Tools for impact assessment		
Short description of the organization/department/research team* (max 12 lines):			
<p>The Sochi State University for Tourism and Recreation (SUTR) was created in 1989 with the main purpose of an education and professional training in the specific South region of Russia. Today SUTR is one of leading high schools in Russia in the field of tourism, recreation, and environmental management of the natural resources. SUTR as pilot high school took part in program TACIS EDRUS 9510 (Education development in the recreation field), and also is a member of BSEC. Education in SUTR covers a wide range of disciplines including environmental sciences and engineering, coastal zone engineering and environment, integrated coastal zone management, modeling of the environmental systems. SUTR team is formed by mathematicians, economists, social scientists, environmental scientists, engineers, experts in information technologies and experts in climate change. The University researchers have a long-standing experience in the coordination and participation in European funded projects and projects, funded by the Russian Foundation of Basic Research (RFBR).</p>			
Publications (other references) (max 10):			
<ol style="list-style-type: none"> 1. Designing bases sea protected actions. The monography. - M, 1999. 2. Waves extinguish moorings: a design substantiation. - magazine “World of transport”, № 1, 2004 r. 3. Calculation of hydraulic engineering constructions in a coastal zone of the seas, lakes and water basins. - Magazine «the Automated technologies of researches and designing», № 14, 2004, p. 23 – 25. 4. System of mathematical modeling and the forecast of quality of water in a coastal zone of the seas - The Review of applied and industrial mathematics, 2006, volume 13, p. 515. 5. Artificial island complexes at the Russian Black Sea coast. - Magazine «Building materials, the equipment, technologies of the XXI century», № 2 (109), 2008, p. 25 – 27. 6. Mathematical modeling in sea hydraulic engineering (monography). - Sochi, SUTR, 2008. 7. Influence of hydraulic engineering constructions on along shore transport of deposits and dynamics of coast. - Geology, geography and ocean ecology. – Materials of the International scientific conference devoted to the 100 year of birth of D.G. Panova, Rostov-on-Don, June, 8-11th 2009, p. 216-219. 8. Artificial island constructions at the Black Sea coast of Russia. - Creation of artificial beaches, island and other constructions in a coastal zone of the seas, lakes and water basins. Works of the international conference. Novosibirsk, Publishing house of the Siberian Branch of the Russian Academy of Science, 2009, p. 31-37. 9. Shore protection actions for coast of Imeretinsky lowland in Sochi. - Bulletin MSMU. Special issue № 1/2010. - Moscow: MSMU, 2010, p.61 –66. 			
Participation in EU’s Framework Programme projects <i>(please include information about no more than 3 projects, the most relevant ones)</i>	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO	
Participation in other European programmes projects <i>(please include information about no more than 3 projects, the most relevant ones)</i>	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO	



(!)Organization Name*	Northern interregional territorial department of the Federal Service for Hydrometeorology and Environmental Monitoring		
(!)Department/Unit*	Centre for Monitoring of environmental pollution,Hydrometeorological Center		
(!)Head of Department / Unit (Name, Title)*	Vasiliev, Leonid Y. director of the Northern UGMS, Ph.D.		
(!)Contact person (name, position in organization, title (Mr/Mrs/Dr or other)*	Alvina P. Sobolevskaya - Chief of the Centre for Monitoring of environmental pollution,Gryshchenko Irina - Chief Hydrometeorological Center		
E-Mail*	chiefcms@arh.ru , sevmgmc@arh.ru		
Phone (country code – city code – number)*	7-8182–223101, 7-8182-223246		
Fax (country code – city code – number)	7-8182–223101, 7-8182-223246		
Web-site	http://www.sevmeteo.ru		
Organisation type	<input type="checkbox"/> University <input type="checkbox"/> Research Centre	<input type="checkbox"/> SME <input type="checkbox"/> Large Company	<input type="checkbox"/> Consultancy <input checked="" type="checkbox"/> Public Administration
(!)Organization Address*	163020, Arkhangelsk, Mayakovsky street, house 2		
Country*	Russia		
Russian Federal District	<input type="checkbox"/> Centre <input type="checkbox"/> Far-East	<input type="checkbox"/> South <input checked="" type="checkbox"/> Northwest	<input type="checkbox"/> Siberia <input type="checkbox"/> Ural <input type="checkbox"/> Volga
Competences in FP7 Theme “Environment (Including Climate Change)”	<p>6.1 Climate Change, pollution and risks</p> <p>6.1.1 Pressures on environment and climate</p> <p>6.1.1.1 The Earth System and Climate: Functioning and abrupt changes</p> <p>6.1.1.2 Emissions and pressures: Natural and anthropogenic</p> <p>6.1.1.3 The Global Carbon Cycle - greenhouse gas budgets</p> <p>6.1.1.4 Future climate</p> <p>6.1.1.5 Climate change natural and socio-economic impacts</p> <p>6.1.1.6 Response strategies: adaptation, mitigation and policies</p> <p>6.1.2 Environment and health</p> <p>6.1.2.1 Health impacts of climate change</p> <p>6.1.2.2 Health effects of environmental stressors other than climate change</p> <p>6.1.2.3 Methods and decision support tools for environmental health risk analysis and policy development</p> <p>6.1.3 Natural Hazards</p> <p>6.1.3.1 Hazard assessment, triggering factors and forecasting</p> <p>6.1.3.2 Vulnerability assessment and societal impacts</p> <p>6.1.3.3 Risk assessment and management</p> <p>6.1.3.4 Multi-risk evaluation and mitigation strategies</p> <p>6.2.1 Conservation and sustainable management of natural and man-made resources and biodiversity</p> <p>6.2.1.2 Water resources</p> <p>6.2.2 Management of marine environments</p> <p>6.2.2.1 Marine resources</p> <p>6.3 Environmental technologies</p> <p>6.3.1 Environmental technologies for observation, simulation, prevention, mitigation, adaptation, remediation and restoration of the natural and man-made environment</p> <p>6.3.1.1 Water</p> <p>6.3.1.6 Marine environment</p> <p>6.3.1.7 Air technologies</p> <p>6.3.1.8 Technologies for climate</p> <p>6.4.1 Earth and ocean observation systems and monitoring methods for the environment and sustainable development</p> <p>6.4.1.1 Integration of European activities within GEO</p> <p>6.4.1.2 Cross-cutting research activities relevant to GEO</p> <p>6.4.1.3 Earth Observation activities in emerging areas</p> <p>6.4.1.4 Developing capacity building activities in the domain of Earth Observation in the new EU countries and in the developing countries</p>		
Short description of the organization/department/research team* (max 12 lines):	Northern interregional territorial department of the Federal Service for Hydrometeorology and Environmental Monitoring (Northern UGMS) is a nonprofit organization the Russian Federal Service for Hydrometeorology and Environmental		



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Monitoring (Rosgidromet). Northern UGMS exercise executive, control, permitting, regulatory and other functions of government in the field of hydro-meteorology and related fields, environmental monitoring of pollution in the territory of control: the Arkhangelsk and Vologda, Komi Republic, Nenets Autonomous District, part of the Yamal- Nenets Autonomous Okrug (Yamal region of Tyumen region), and waters of the White, the south-eastern Barents and south-western Kara seas.					
Publications (other references) (max 10): Overview of environmental pollution on the territory of the Northern UGMS in 2009, Vasiliev LY, Grishchenko IV etc. Under the general editorship. Boyarsky, PV Novaya Zemlya. M., European edition - Paulsen., Gryshchenko IV On the natural hazards in the Arkhangelsk region. Proceedings of the All-Russian scientific conference with international participation "Environment and sustainable regional development: new methods and technology studies"; Kazan					
Scientific keywords	✓ Environmental contamination	✓ Climate	✓ Weather	✓ Environmental Monitoring	✓ pollution
Participation in EU's Framework Programme projects <i>(please include information about no more than 3 projects, the most relevant ones)</i>				<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
Participation in other European programmes projects <i>(please include information about no more than 3 projects, the most relevant ones)</i>				<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
Participation in relevant Russian projects <i>(please include information about no more than 3 projects, the most relevant ones)</i>				<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO



(!)Organization Name*		Sochi State University of Tourism and Recreation	
(!)Department/Unit*		rectorat	
(!)Head of Department / Unit (Name, Title) *		Vice-rector of Sochi State University	
(!)Contact person (name, position in organization, title (Mr/Mrs/Dr or other) *		Nina Pestereva, vice-rector of Sochi State University of Tourism and Recreation, Mrs/Dr of geographical science, prof.	
E-Mail*		pnm_06@mail.ru	
Phone (country code – city code – number) *		8-988-282-13-19; 8-915-225-34-64.	
Fax (country code – city code – number)			
Web-site		http://www.surt.ru	
Organisation type		<input checked="" type="checkbox"/> University <input type="checkbox"/> SME <input type="checkbox"/> Consultancy <input type="checkbox"/> Research Centre <input type="checkbox"/> Large Company <input type="checkbox"/> Public Administration	
(!)Organization Address*		26 A, Sovetskaya St., Sochi, 354000	
Country*		Russia,	
Russian Federal District		<input type="checkbox"/> Centre <input checked="" type="checkbox"/> South <input type="checkbox"/> Siberia <input type="checkbox"/> Far-East <input type="checkbox"/> Northwest <input type="checkbox"/> Ural <input type="checkbox"/> Volga	
Competences in FP7 Theme “Environment (Including Climate Change)”		6.1 Climate Change, pollution and risks 6.1.1 Pressures on environment and climate 6.1.1.4 Future climate 6.1.1.5 Climate change natural and socio-economic impacts 6.1.1.6 Response strategies: adaptation, mitigation and policies 6.1.2.1 Health impacts of climate change 6.1.3.1 Hazard assessment, triggering factors and forecasting 6.1.3.4 Multi-risk evaluation and mitigation strategies 6.2.1.1 Integrated resource management 6.3.1.7 Air technologies 6.3.1.8 Technologies for climate 6.4.1 Earth and ocean observation systems and monitoring methods for the environment and sustainable development 6.4.1.1 Integration of European activities within GEO 6.4.1.2 Cross-cutting research activities relevant to GEO 6.4.1.4 Developing capacity building activities in the domain of Earth Observation in the new EU countries and in the developing countries 6.4.2.1 Tools for impact assessment 6.4.2.2 Sustainable development indicators 6.4.2.3 Interplay between social, economic and ecological systems	
Publications (other references) (max 10):			
1. The influence of regional climate features of the eastern Arctic coast of Russia in the warm season on the length of navigation-DVNIGMI Proceedings, Vol. 158, Vladivostok, 2000 2. Assessing the impact on the atmosphere of emissions from vehicles in the resort city of Vladivostok - Abstracts of International Scientific and Practical Conference "Air protection: monitoring and protection", Vladivostok, Far Eastern University of economy and services, 2000 3. Recent climate variability of the North Pacific: Proceedings of International Interdisciplinary Conference "Man in the coastal zone: the experience of centuries," 18-20.09.2001g. Petropavlovsk-Kamchatsky, 2002 4. Global Chang of Climate in Northern-Eastern Asia and Tourizm/ International Symposium “Northeastern Asia Cooperation and Development in the Age of Globalization”. China. Yanbian University of Science and Education 5. Intercultural communication and corporate culture in training specialists in service/ Harmony, Diversity and Intercultural Communication 2007 June 22-24, Accepted Papers for presentation in English – Harbin Conference, IAICS. 6. Assessment of climatic conditions of Sakhalin for the energy industry. Hydrometeorological processes on the shelf: assessing the impact on the marine environment, Proceedings of far eastern research of hidro-meteorology.- Vladivostok., 1998 7. Global Climate Change in Northeastern Asia and Tourism/ MEDCOAST-09, 18-26 november 2009, Sochi, Russia			
Participation in EU’s Framework Programme projects <i>(please include information about no more than 3 projects, the most relevant ones)</i>		<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	



E-URAL “European Union and Russia link for S&T co-operation in the area of the Environment”

Participation in other European programmes projects <i>(please include information about no more than 3 projects, the most relevant ones)</i>	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
Participation in relevant Russian projects <i>(please include information about no more than 3 projects, the most relevant ones)</i>	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO



E-URAL “European Union and Russia link for S&T co-operation in the area of the Environment”

(!)Organization Name*	Far Eastern National University		
(!)Department/Unit*	Institute of International Tourism and Hospitality		
(!)Head of Department / Unit (Name, Title)*	Dubovitskiy Sergey V.		
(!)Contact person (name, position in organization, title (Mr/Mrs/Dr or other)*	Savinkina Larisa Aleksandrovna – Cand. Sc. (Geography), Associate Professor, the head department prepares specialists in Human Resource Management and Social Management		
E-Mail*	tara@idpo.dvgu.ru		
Phone (country code – city code – number)*	+79147378789		
Fax (country code – city code – number)	+7-4232-510-449		
Web-site	www.dvgu.ru		
Organisation type	<input checked="" type="checkbox"/> University <input type="checkbox"/> Research Centre	<input type="checkbox"/> SME <input type="checkbox"/> Large Company	<input type="checkbox"/> Consultancy <input type="checkbox"/> Public Administration
(!)Organization Address*	8 Sukhanova St., 690950, Vladivostok, Russia		
Country*	Russia		
Russian Federal District	<input type="checkbox"/> Centre <input checked="" type="checkbox"/> Far-East	<input type="checkbox"/> South <input type="checkbox"/> Northwest	<input type="checkbox"/> Siberia <input type="checkbox"/> Ural <input type="checkbox"/> Volga
Competences in FP7 Theme “Environment (Including Climate Change)”	6.1 Climate Change, pollution and risks 6.1.1.5 Climate change natural and socio-economic impacts 6.3.2 Protection, conservation and enhancement of cultural heritage, including human habitat 6.3.2.1 Assessment and conservation in cultural heritage		
Participation in EU’s Framework Programme projects <i>(please include information about no more than 3 projects, the most relevant ones)</i>			<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
Participation in other European programmes projects <i>(please include information about no more than 3 projects, the most relevant ones)</i>			<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
Participation in relevant Russian projects <i>(please include information about no more than 3 projects, the most relevant ones)</i>			<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO



(!)Organization Name*	The ministry of Natural resources of the Russian Federation Scientific research institute of mountain forestry and forest ecology		
(!)Department/Unit*	Department of mountain forestry, forest <i>restoration</i> and forest ecology		
(!)Head of Department / Unit (Name, Title)*	Pinkovski Mikhail Director		
(!)Contact person (name, position in organization, title (Mr/Mrs/Dr or other)*	Nikolay Bityukov, Doctor in biology, the main scientific employee		
E-Mail*	nikbit@inbox.ru nikbit@mail.ru		
Phone (country code – city code – number)*	+7 918 104 1632 +7(8622)972804		
Organisation type	<input type="checkbox"/> University <input checked="" type="checkbox"/> Research Centre	<input type="checkbox"/> SME <input type="checkbox"/> Large Company	<input type="checkbox"/> Consultancy <input type="checkbox"/> Public Administration
(!)Organization Address*	Kurortni av. 74, Sochi, 354002, Russia,		
Country*	Russia		
Russian Federal District	<input type="checkbox"/> Centre <input type="checkbox"/> Far-East	<input checked="" type="checkbox"/> South <input type="checkbox"/> Northwest	<input type="checkbox"/> Siberia <input type="checkbox"/> Ural <input type="checkbox"/> Volga
Competences in FP7 Theme “Environment (Including Climate Change)”	6.2.1.1 Integrated resource management 6.2.1.2 Water resources 6.2.1.4 Biodiversity 6.2.1.6 Integrated forest research 6.3.1.1 Water		
Short description of the organization/department/research team* (max 12 lines): The basic directions of institute activity: 1) Developing of ecological bases management by wood ecosystems of mountain territories and optimisation of use and restoration of their resource potential; 2) Resource and ecological monitoring of mountain woods; 3) Ecological bases of a wood ecosystems biodiversity preservation During the long period (35-45 years) monitoring of wood ecosystems in beechen and oak zones of Northwest caucasus is carried out. The databank of dynamics of small wood ecosystems elements in reservoirs of Black Sea Coast is received. Change of water-protective properties of wood plantings as a result of cabins of the main using and prospect of their restoration is studied. Results of researches are published in 4 monographies.			
Publications (other references) (max 10): 1. Hydrological role of mountain woods of the north-western caucasus.//Article. Magazine "Lesovedenie", 1996. № 4.-10 p. 2. Ecological bases of using wood (on an example Northen Caucasus).//the Monography. – Krasnodar: the Kuban textbook. 2001.-350 p 3. Ecological role of mountain woods of the North Caucasus.//the Monography. 2000. -450 p. 4. Mountain woods ecology of the Black Sea Coast.//the Monography. Sochi 2007. – 415 p. 5. Physical geography of the city-resort of Sochi.//the Monography. Sochi: SUTR, 2008. – 346 p. 6. Physical geography of Caucasus.//(Manual). SUTR. Sochi: 2006. - 323 p.			
Participation in EU’s Framework Programme projects <i>(please include information about no more than 3 projects, the most relevant ones)</i>	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		
Participation in other European programmes projects <i>(please include information about no more than 3 projects, the most relevant ones)</i>	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		
Participation in relevant Russian projects <i>(please include information about no more than 3 projects, the most relevant ones)</i>	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		
Project proposal (for coordinators)/Expertise offered (for partners)* (max 500 words): RTD Demonstration of studying results of wood ecosystems in the conditions of the Sochi Black Sea Coast. Training to techniques of microclimate experimental researches, <i>stream’s</i> drain on small reservoirs. Coordination of wood ecosystems researches			



(!)Organization Name*		Specialised research-and-production enterprise "Krasnodarbegozashchita"			
(!)Department/Unit*		Research department			
(!)Head of Department / Unit (Name, Title)*		Dr. Svetlana Fedorova			
(!)Contact person (name, position in organization, title (Mr/Mrs/Dr or other)*		Dr. Svetlana Fedorova The deputy director on a science			
E-Mail*		kbzник@mail.ru, bereg@kuban.net			
Phone (country code – city code – number)*		+7(861) 251-82-89, 7(861) 251-64-32, 7(861) 255-19-96 +7 (861) 259-67-69			
Fax (country code – city code – number)					
Web-site					
Organisation type		<input type="checkbox"/> University <input checked="" type="checkbox"/> SME <input type="checkbox"/> Consultancy <input checked="" type="checkbox"/> Research Centre <input type="checkbox"/> Large Company <input type="checkbox"/> Public Administration			
(!)Organization Address*		Korolenko str, 2\1, Krasnodar city, 350038, Russia			
Country*		Russia			
Russian Federal District		<input type="checkbox"/> Centre <input checked="" type="checkbox"/> South <input type="checkbox"/> Siberia <input type="checkbox"/> Far-East <input type="checkbox"/> Northwest <input type="checkbox"/> Ural <input type="checkbox"/> Volga			
Competences in FP7 Theme "Environment (Including Climate Change)"		6.1.3.1 Hazard assessment, triggering factors and forecasting 6.1.3.3 Risk assessment and management 6.2 Sustainable management of resources 6.2.1 Conservation and sustainable management of natural and man-made resources and biodiversity 6.2.1.1 Integrated resource management 6.2.1.2 Water resources 6.2.1.5 Urban development 6.2.2 Management of marine environments 6.2.2.1 Marine resources 6.3.1 Environmental technologies for observation, simulation, prevention, mitigation, adaptation, remediation and restoration of the natural and man-made environment 6.3.1.6 Marine environment 6.4.1 Earth and ocean observation systems and monitoring methods for the environment and sustainable development 6.4.2 Forecasting methods and assessment tools for sustainable development taking into account differing scales of observation 6.4.2.2 Sustainable development indicators 6.4.2.3 Interplay between social, economic and ecological systems			
Short description of the organization/department/research team* (max 12 lines): Research-and-production enterprise "Krasnodarbegozashchita" carries out engineering researches, underwater-technical works, technical survey and certification of hydraulic engineering constructions, management of building and contracts					
Scientific keywords		✓ coastal zone ✓ coastal protection		✓ beach ✓ water research ✓	
Participation in EU's Framework Programme projects <i>(please include information about no more than 3 projects, the most relevant ones)</i>				<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	
Participation in other European programmes projects <i>(please include information about no more than 3 projects, the most relevant ones)</i>				<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	
Participation in relevant Russian projects <i>(please include information about no more than 3 projects, the most relevant ones)</i>				<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	
If yes:					
Project(s) description	Title	Engineering basis of recreational development of the Azov-Black Sea coast.			
	Acronym				
	Duration	2005			
	Web-site				



E-URAL “European Union and Russia link for S&T co-operation in the area of the Environment”

	Reference to the FP7 theme “Environment”	<i>(please insert its area/sub-area number and title - see the table “COMPETENCES”)</i>		
	Project brief description	Creation of the recreational characteristic of the Azov-Black Sea coast for working out of the complex territorial scheme of town-planning		
	Activities performed	<input checked="" type="checkbox"/> Research and Technological Development <input type="checkbox"/> Demonstration	<input type="checkbox"/> Management <input type="checkbox"/> Coordination	<input type="checkbox"/> Training <input type="checkbox"/> Support
<i>Please specify:</i>				



(!)Organization Name*		The Kuban state agrarian university			
(!)Department/Unit*		Scientific research institute of applied and experimental ecology			
(!)Head of Department / Unit (Name, Title)*		Director – Leonid Yarmak			
(!)Contact person (name, position in organization, title (Mr/Mrs/Dr or other)*		Leonid Yarmak PhD (Technics), professor			
E-Mail*		niiecolgy@mail.ru			
Phone (country code – city code – number)*		+7-988-240-24-95			
Fax (country code – city code – number)					
Web-site					
Organisation type		<input checked="" type="checkbox"/> University	<input type="checkbox"/> SME	<input type="checkbox"/> Consultancy	
		<input checked="" type="checkbox"/> Research Centre	<input type="checkbox"/> Large Company	<input type="checkbox"/> Public Administration	
(!)Organization Address*		Kalinina str., 13, Krasnodar city, 350044			
Country*		Russia			
Russian Federal District		<input type="checkbox"/> Centre	<input checked="" type="checkbox"/> South	<input type="checkbox"/> Siberia	
		<input type="checkbox"/> Far-East	<input type="checkbox"/> Northwest	<input type="checkbox"/> Ural	
				<input type="checkbox"/> Volga	
Competences in FP7 Theme “Environment (Including Climate Change)”		<p>6.1.1 Pressures on environment and climate 6.1.1.2 Emissions and pressures: Natural and anthropogenic 6.1.2.3 Methods and decision support tools for environmental health risk analysis and policy development 6.1.3.1 Hazard assessment, triggering factors and forecasting 6.1.3.3 Risk assessment and management 6.2 Sustainable management of resources 6.2.1 Conservation and sustainable management of natural and man-made resources and biodiversity 6.2.1.1 Integrated resource management 6.2.1.2 Water resources 6.2.1.5 Urban development 6.2.2 Management of marine environments 6.2.2.1 Marine resources 6.3.1 Environmental technologies for observation, simulation, prevention, mitigation, adaptation, remediation and restoration of the natural and man-made environment 6.3.1.1 Water 6.3.1.6 Marine environment 6.4.1 Earth and ocean observation systems and monitoring methods for the environment and sustainable development 6.4.2 Forecasting methods and assessment tools for sustainable development taking into account differing scales of observation 6.4.2.2 Sustainable development indicators 6.4.2.3 Interplay between social, economic and ecological systems</p>			
Short description of the organization/department/research team* (max 12 lines): The scientific research institute is engaged in the decision of scientific and practical problems in the field of protection of environment, ecology, complex management of natural resources					
Scientific keywords	<input checked="" type="checkbox"/> coastal zone	<input checked="" type="checkbox"/> coastal protection	<input checked="" type="checkbox"/> beach	<input checked="" type="checkbox"/> water research	<input checked="" type="checkbox"/> ecology
Participation in EU’s Framework Programme projects <i>(please include information about no more than 3 projects, the most relevant ones)</i>				<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
Participation in other European programmes projects <i>(please include information about no more than 3 projects, the most relevant ones)</i>				<input checked="" type="checkbox"/> YES	NO
If yes:					



E-URAL “European Union and Russia link for S&T co-operation in the area of the Environment”

Project(s) description	Title	a) Black Sea ecological program GEF (UNDP-GEF) b) The Black Sea ecological program c) TACIS/EuropeAid Project. d) The international Joint Operational Program (Black Sea JOP is the program of the Project of the European Partnership and EU Neighborhood (ENPI))		
	Acronym			
	Duration	a) 1992-2006 b) 1993-1997 c) 1995, 1998, 2002 d) 2007-2013		
	Web-site			
	Reference to the FP7 theme “Environment”	<i>(please insert its area/sub-area number and title - see the table “COMPETENCES”)</i>		
	Project brief description	Within the limits of a projects have been developed: · Prospects of development of steady tourism (1999) - Russia, Ukraine · the Policy of protection of coast of the Black and Azov seas (1999) - Georgia, Russia, Ukraine · the behaviour Code at coast, Russia and Ukraine (1999) · the Management on preparation of national codes of behaviour at coast (2003) · Management of firm waste at coast (2000) - Russia, Ukraine · the English-Russian dictionary of legal terms on KYII3 (2004) · Regional strategy and plan of action on KYII3 (2004) · Methodology of the territorial organization in system KUPZ (2000/2004) · Pilot projects on KYII3: - Ukraine - Malaya Yalta (1999) - Russia - Gelendzhik (1999, 2004)		
	Activities performed	<input checked="" type="checkbox"/> Research and Technological Development <input type="checkbox"/> Demonstration	<input type="checkbox"/> Management <input type="checkbox"/> Coordination	<input type="checkbox"/> Training <input type="checkbox"/> Support
<i>Please specify:</i>				
Participation in relevant Russian projects <i>(please include information about no more than 3 projects, the most relevant ones)</i>		<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO		
If yes:				
Project(s) description	Title	The are many Russian Project		
	Acronym			
	Duration			
	Web-site			
	Reference to the FP7 theme “Environment”	<i>(please insert its area/sub-area number and title - see the table “COMPETENCES”)</i>		
	Project brief description			
	Activities performed	<input checked="" type="checkbox"/> Research and Technological Development <input type="checkbox"/> Demonstration	<input type="checkbox"/> Management <input type="checkbox"/> Coordination	<input type="checkbox"/> Training <input type="checkbox"/> Support
<i>Please specify:</i>				



(!)Organization Name*	Sochi State University for Tourism and Recreation		
(!)Department/Unit*	Management Department		
(!)Head of Department / Unit (Name, Title)*	Mickle Bokov, Dr., Prof.		
(!)Contact person (name, position in organization, title (Mr/Mrs/Dr or other)*	Nataliya Matyushchenko, Associate Professor, Dr., Ass.Prof.		
E-Mail*	Subtropic777@rambler.ru		
Phone (country code – city code – number)*	007-903-4489840		
Fax (country code – city code – number)	007-8622-648790		
Web-site	www.sutr.ru		
Organisation type	<input checked="" type="checkbox"/> University <input type="checkbox"/> Research Centre	<input type="checkbox"/> SME <input type="checkbox"/> Large Company	<input type="checkbox"/> Consultancy <input type="checkbox"/> Public Administration
(!)Organization Address*	26-a, Sovietskaya, 35400, Sochi, Russia		
Country*	Russia		
Russian Federal District	<input type="checkbox"/> Centre <input type="checkbox"/> Far-East	<input checked="" type="checkbox"/> South <input type="checkbox"/> Northwest	<input type="checkbox"/> Siberia <input type="checkbox"/> Ural <input type="checkbox"/> Volga
Competences in FP7 Theme “Environment (Including Climate Change)”	6.1.1.5 Climate change natural and socio-economic impacts 6.2.1.5 Urban development 6.3.2.1 Assessment and conservation in cultural heritage 6.3.2.4 Fostering the integration of cultural heritage in urban and rural settings 6.4.2.3 Interplay between social, economic and ecological systems		
Please, insert spheres, which are not listed above, related to your competences and can be of common EU-Russia cooperation interest in Environment, probably in emerging, cross-cutting spheres			
1. Tourism and recreation industry management, economics and legislation in the tourism region 2. Leisure and entertainment industry management, economics and legislation in the tourism region 3. Strategic planning and management of local and regional authorities in the tourism region			
Short description of the organization/department/research team* (max 12 lines):			
<p>ORGANISATION HISTORY: SUTR - the leader in the field of professional training in sphere of tourism and resort business. More than 15000 students studies at university. The university includes 8 faculties, 31 speciality.</p> <p>RESEARCH ACTIVITIES: The are carried out fundamental and applied researches in SUTR in the field of economy and management in tourism sphere; recreational economy; on regional aspects of complex use of natural resources, including management of the sea coastal zone; the ecological aspects of health of the population; the field of pedagogics; seismic stability of designs; uses of nonconventional energy sources, etc.</p> <p>Scientific researches are carried out a grants of the RFBR and RFHR, 7 Framework Programmes of EU, the European projects of TEMPUS and TACIS.</p>			
Publications (other references) (max 10):			
<p>1. Romanova G., Matyushchenko N., Levonyan A., Pushkareva D. “The organization and realization of selective polling of the tourists who have visited Krasnodar region in 2008, for the purpose drawing up of a portrait of the consumer, definition of level and structure of tourist costs, level of service and an estimation of a share of tourism in macroeconomic indicators of development of Krasnodar region”. The report on research work, registration number VNTIC 01200903948 from 23.06.09.</p> <p>2. Romanova G., Bokov M., Vidishcheva E., Matyushchenko N. «Recreational-tourist complex of resort - city of Sochi» in structure of the project «Development of documents of land-use planning of an agglomeration of Sochi, including adjoining territories» The report on research work, registration number VNTIC 01200807821 from 03.07.08</p> <p>3. Bokov M., Matyushchenko N., Anisimova N., Bookova E. «Creation of the management system for competitiveness of organizations in the tourism-recreational regions (on an instance of Sochi)» The report on research work, registration number VNTIC 01200804488 from 18.04.08</p> <p>4. Matyushchenko N., Vidishcheva E., Adamyan A. «Development of the theoretical-methodical bases of competitiveness management for leisure and entertainments industry organizations in the tourism-recreational regions» The report on research work, registration number VNTIC 01200903927 from 23.06.09</p> <p>5. Matyushchenko N., Vidishcheva E., Pushkareva D. “Marketing Research of The Entertainment and Leisure Industry</p>			



Services in a Tourist Region” MEDCOAST 2009, 10-14 November 2009, Sochi, Russia
 6. Matyushchenko N., Ponomareva M., Levonyan A. “Competitiveness of the Tourism Specialized University in the Regional Educational Services Market” MEDCOAST 2009, 10-14 November 2009, Sochi, Russia
 7. Matyushchenko N. “Evaluation and forming of the competitiveness of the tourist region” MEDCOAST 2007, 13-17 November 2007, Sheraton Montazah Hotel, Alexandria, Egypt
 8. Matyushchenko N., Levonyan A. “The Great Role of Olympic Volunteer to the Success of the Olympic Games” XXI Olympic and XI Paralympic Winter Games Personnel Training Problems and Perspectives: The 2nd International Research-to-Practice Conference Proceedings, 2009, Sochi
 9. Matyushchenko N. “Influence of Olympic Games on Competitiveness of Accepting City of tourism-recreational specialization” The scientific almanac of economic researches. Social and economic research of the organization and carrying out of Winter Olympic Games of 2014 in a City - Resort of Sochi, Moscow, 2010
 Romanova G., Matyushchenko N. “Experience of Carrying out of Statistical Researches of Tourist Activity In a Resort Zone of Krasnodar Territory” Vestnik SUTR – 2009. - № 1 (7).

Scientific keywords	<input checked="" type="checkbox"/> tourism	<input checked="" type="checkbox"/> recreation	<input checked="" type="checkbox"/> research	<input checked="" type="checkbox"/> competitive ness	<input checked="" type="checkbox"/> education
Participation in EU’s Framework Programme projects <i>(please include information about no more than 3 projects, the most relevant ones)</i>				<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
Participation in other European programmes projects <i>(please include information about no more than 3 projects, the most relevant ones)</i>				<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
Participation in relevant Russian projects <i>(please include information about no more than 3 projects, the most relevant ones)</i>				<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO

If yes:

Project(s) description	Title	“The organization and realization of selective polling of the tourists who have visited Krasnodar region, for the purpose drawing up of a portrait of the consumer, definition of level and structure of tourist costs, level of service and an estimation of a share of tourism in macroeconomic indicators of development of Krasnodar region”(2006,2007,2008,2009)		
	Acronym	-		
	Duration	Tourism		
	Web-site	www.sutr.ru		
	Reference to the FP7 theme “Environment”	6.2.1.5 Urban development		
	Project brief description	The organization and realization of selective polling of the tourists who have visited Krasnodar region, for the purpose drawing up of a portrait of the consumer, definition of level and structure of tourist costs, level of service and an estimation of a share of tourism in macroeconomic indicators of development of Krasnodar region		
	Activities performed	<input checked="" type="checkbox"/> Research and Technological Development <input checked="" type="checkbox"/> Demonstration Please specify:	<input checked="" type="checkbox"/> Management <input checked="" type="checkbox"/> Coordination	<input checked="" type="checkbox"/> Training <input checked="" type="checkbox"/> Support

Call identifier*	
Topic(s) number*	
Call Deadline*	
Role in the project*	<input type="checkbox"/> Coordinator <input checked="" type="checkbox"/> Partner
Type of suggested activities*	<input checked="" type="checkbox"/> RTD <input checked="" type="checkbox"/> Demonstration
	<input checked="" type="checkbox"/> Training <input checked="" type="checkbox"/> Coordination
	<input checked="" type="checkbox"/> Support <input checked="" type="checkbox"/> Management

Project proposal (for coordinators)/Expertise offered (for partners)* (max 500 words):
 Tourism and recreation in Russia



(!)Organization Name*	Far Eastern National University		
(!)Department/Unit*	<i>Institute of International Tourism and Hospitality</i>		
(!)Head of Department / Unit (Name, Title)*	Dubovitskiy Sergey, PhD.		
(!)Contact person (name, position in organization, title (Mr/Mrs/Dr or other)*	Popova Nina, Senior Lecturer		
E-Mail*	camelopardalis@mail.ru		
Phone (country code – city code – number)*	89084486005		
Fax (country code – city code – number)			
Web-site			
Organisation type	<input checked="" type="checkbox"/> University <input type="checkbox"/> Research Centre	<input type="checkbox"/> SME <input type="checkbox"/> Large Company	<input type="checkbox"/> Consultancy <input type="checkbox"/> Public Administration
(!)Organization Address*	Sukhanova st., 8, Vladivostok, 690000		
Country*	Russia		
Russian Federal District	<input type="checkbox"/> Centre <input checked="" type="checkbox"/> Far-East	<input type="checkbox"/> South <input type="checkbox"/> Northwest	<input type="checkbox"/> Siberia <input type="checkbox"/> Ural <input type="checkbox"/> Volga
Competences in FP7 Theme “Environment (Including Climate Change)”	6.1 Climate Change, pollution and risks 6.3.1.1 Water		
Publications (other references) (max 10): Popova N.Y. (2008) Evaporation of the River Basins: the Structure and the Principle of its Measurement and Calculation/ In: Geographical and Ecological Investigations in the Far East of Russia, - Pacific Institute of Geography Press, Vladivostok, pp.88-97. Pestereva N.M., Savinkina L.A., Popova N.Y. (2004) Global Climate Changes and their Influences on the Development of Tourism in Asia Pacific Rim Countries. In: Collected Articles of the Far-Eastern Tourist's Forum – Institute for Water and Environmental Problems Press, Khabarovsk, pp.113-119.			
Participation in EU’s Framework Programme projects <i>(please include information about no more than 3 projects, the most relevant ones)</i>	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		
Participation in other European programmes projects <i>(please include information about no more than 3 projects, the most relevant ones)</i>	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		
Participation in relevant Russian projects <i>(please include information about no more than 3 projects, the most relevant ones)</i>	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		



(!)Organization Name*	Russian State Hydrometeorological University		
(!)Department/Unit*	Department of Integrated Coastal Management (ICM)		
(!)Head of Department / Unit (Name, Title)*	Nikolay Plink, Head of Department, Dr.		
(!)Contact person (name, position in organization, title (Mr/Mrs/Dr or other)*	Nikolay Plink, Head of Department, Dr.		
E-Mail*	plink@rshu.ru		
Phone (country code – city code – number)*	+7- 812-2243061		
Fax (country code – city code – number)	+7 (812) 4446090		
Web-site	http://www.rshu.ru		
Organisation type	<input checked="" type="checkbox"/> University <input type="checkbox"/> Research Centre	<input type="checkbox"/> SME <input type="checkbox"/> Large Company	<input type="checkbox"/> Consultancy <input type="checkbox"/> Public Administration
(!)Organization Address*	Malookhtinsky pr. 98, Saint-Petersburg, 195196		
Country*	Russian Federation		
Russian Federal District	<input type="checkbox"/> Centre <input type="checkbox"/> Far-East	<input type="checkbox"/> South <input checked="" type="checkbox"/> Northwest	<input type="checkbox"/> Siberia <input type="checkbox"/> Ural <input type="checkbox"/> Volga
Competences in FP7 Theme “Environment (Including Climate Change)”	<p>6.1.3 Natural Hazards 6.1.3.2 Vulnerability assessment and societal impacts 6.1.3.3 Risk assessment and management 6.1.3.4 Multi-risk evaluation and mitigation strategies</p> <p>6.2 Sustainable management of resources 6.2.1 Conservation and sustainable management of natural and man-made resources and biodiversity 6.2.1.1 Integrated resource management 6.2.1.2 Water resources</p> <p>6.2.2 Management of marine environments 6.2.2.1 Marine resources</p> <p>6.3.1.1 Water 6.3.1.6 Marine environment</p> <p>6.3.2 Protection, conservation and enhancement of cultural heritage, including human habitat 6.3.2.1 Assessment and conservation in cultural heritage 6.3.2.2 Networking, knowledge transfer and optimisation of results in cultural heritage</p> <p>6.4.2 Forecasting methods and assessment tools for sustainable development taking into account differing scales of observation 6.4.2.1 Tools for impact assessment 6.4.2.2 Sustainable development indicators 6.4.2.3 Interplay between social, economic and ecological systems</p>		
Short description of the organization/department/research team* (max 12 lines):	<p>Russian State Hydrometeorological University (RSHU) offers courses at all levels of higher professional training in the area of environmental studies. RSHU has the status of the Regional Meteorological Training Center of World Meteorological Organization (WMO RTC). RSHU research programmes include study of atmospheric and oceanic processes, atmosphere-ocean interaction, methods of weather analysis and forecasts, estimation of possible climate changes under the influence of natural and anthropogenic factors, creation of the diagnostic and forecasting models for different geographical regional including the Polar Seas. RSHU has only one in the Russia specialized Faculty of Oceanology with four target departments oriented in different oceanographic aspects (physical oceanography, fishery, integrated coastal management, marine information systems). All departments have experience in international cooperation and participation in different European and Pan European programmes such as UNESCO/UNITWIN program, TEMPUS, Erasmus Mundus, Interrag IIIB, Tacis etc. Presence of departments target to both fundamental and applied oceanography as well as integrated coastal management gives good possibility for integration environmental sciences and management as a tool for improvement of professional skills, as well as increasing effectiveness of research.</p>		
Publications (other references) (max 10):	<p>- Development of ICAM Approach in the Coastal Zones of the Gulf of Finland (The Baltic Sea) and the Gulf of</p>		



<p>Kandalaksha (the White Sea) - Int. WiCoP Workshop “Management and Conservation of Coastal Natural and Cultural Heritage”. – Universidade de Aveiro. -2005</p> <ul style="list-style-type: none"> - Exit from the labyrinth : Integrated coastal zone management in the Kandalaksha District, Murmansk Region of the Russian Federation – Coastal region and small island papers, UNESCO, Paris, 2006.-73p. (in English) , (in co-authorship). - Network approach for development of strategy of education in the field of Integrated Coastal management (UNESCO/UNITWIN/WiCop Network).- Information Bulletin of National Tempus Office in Russia, Moscow. No 6, 2008, (with Angel del Valls Casillas, Alexei Suzyumov). - Ecological and Sociological Studies as a Crucial Tool for Decision-Making in Primorsk Coastal Zone Management- Environmental Education, Communication and Sustainability (edited by Walter Leal Filho) // Vol. 28 Conflict Resolution in Coastal Zone Management (in English),2008 (with E. Viktorova, M. Shilin, A. Kosheleva, G. Gogoberidze) 					
Scientific keywords	<input checked="" type="checkbox"/> Coastal zone	<input checked="" type="checkbox"/> Impact assessment	<input checked="" type="checkbox"/> Risk assessment	<input checked="" type="checkbox"/> Conflict resolutions	<input checked="" type="checkbox"/> ICM
Participation in EU’s Framework Programme projects <i>(please include information about no more than 3 projects, the most relevant ones)</i>				<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	
If yes:					
Project(s) description	Title	BSR INTERREG IIIB Neighborhood Programme “Coastal Zone Management in the Baltic Sea Region”			
	Acronym	COASTMAN			
	Duration	2004-2008			
	Web-site				
	Reference to the FP7 theme “Environment”	<i>(please insert its area/sub-area number and title - see the table “COMPETENCES”)</i> 6.2 Устойчивое управление ресурсами 6.4.2 Методы прогнозирования и инструменты оценки устойчивого развития с учетом различных масштабов наблюдения			
	Project brief description	Development of coastal conflict resolution methods and tools			
Activities performed	<input type="checkbox"/> Research and Technological Development <input checked="" type="checkbox"/> Demonstration		<input checked="" type="checkbox"/> Management <input type="checkbox"/> Coordination		<input type="checkbox"/> Training <input type="checkbox"/> Support
Please specify:					
Participation in other European programmes projects <i>(please include information about no more than 3 projects, the most relevant ones)</i>				<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	
If yes:					
Project(s) description	Title	EU TEMPUS –Erasmus Mundus programe “ ICM curriculum adaptation to the two-level system” - contract CD _JEP 25236-2004			
	Acronym	EU-COMET 2			
	Duration	2005-2008			
	Web-site	eu-comet2.rshu.ru			
	Reference to the FP7 theme “Environment”	<i>(please insert its area/sub-area number and title - see the table “COMPETENCES”)</i> 6.4.2 Методы прогнозирования и инструменты оценки устойчивого развития с учетом различных масштабов наблюдения 6.2.1 Сохранение и устойчивое управление природными и искусственными ресурсами и биологическим разнообразием			
	Project brief description	Development of curriculum and preparation of teaching material for Master on Integrated Coastal Management			
Activities performed	<input type="checkbox"/> Research and Technological Development <input checked="" type="checkbox"/> Demonstration		<input type="checkbox"/> Management <input checked="" type="checkbox"/> Coordination		<input checked="" type="checkbox"/> Training <input type="checkbox"/> Support
Please specify:					
Participation in relevant Russian projects <i>(please include information about no more than 3 projects, the most relevant ones)</i>				<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	
If yes:					
Project(s) description	Title	«Разработка предложений по направлениям развития морских побережий России, обеспечивающих сохранение, реабилитацию и устойчивое использование их ресурсов, и пилотная апробация этих предложений на примере Калининградской области» -государственный контракт № 1903-17-09, Заказчик Минэкономразвития России			



E-URAL “European Union and Russia link for S&T co-operation in the area of the Environment”

Acronym	Побережье		
Duration	2009-2010		
Web-site			
Reference to the FP7 theme “Environment”	<p><i>(please insert its area/sub-area number and title - see the table “COMPETENCES”)</i></p> <p>6.4.2 Методы прогнозирования и инструменты оценки устойчивого развития с учетом различных масштабов наблюдения</p> <p>6.2.1 Сохранение и устойчивое управление природными и искусственными ресурсами и биологическим разнообразием</p>		
Project brief description			
Activities performed	<input checked="" type="checkbox"/> Research and Technological Development <input checked="" type="checkbox"/> Demonstration	<input checked="" type="checkbox"/> Management <input type="checkbox"/> Coordination	<input type="checkbox"/> Training <input type="checkbox"/> Support
	<i>Please specify:</i>		



(!)Organization Name*	Saratov State University named after N.G. Chernyshevsky		
(!)Department/Unit*	Geography Department		
(!)Head of Department / Unit (Name, Title)*	Prof. Aleksey Nikolaevich Chymachenko, dean of the Geography department		
(!)Contact person (name, position in organization, title (Mr/Mrs/Dr or other)*	Prof. Leonid Yurievich Kossovich, rector		
E-Mail*	rector@sgu.ru		
Phone (country code – city code – number)*	+7(845-2)26-16-96		
Fax (country code – city code – number)	+7 (845-2)27-85-29		
Web-site	http://www.sgu.ru		
Organisation type	<input checked="" type="checkbox"/> University <input type="checkbox"/> Research Centre	<input type="checkbox"/> SME <input type="checkbox"/> Large Company	<input type="checkbox"/> Consultancy <input type="checkbox"/> Public Administration
(!)Organization Address*	Astrakhanskaya str. 83, 410012 Saratov		
Country*	Russian Federation		
Russian Federal District	<input type="checkbox"/> Centre <input type="checkbox"/> Far-East	<input type="checkbox"/> South <input type="checkbox"/> Northwest	<input type="checkbox"/> Siberia <input type="checkbox"/> Ural <input checked="" type="checkbox"/> Volga
Competences in FP7 Theme “Environment (Including Climate Change)”	<p>6.1 Climate Change, pollution and risks</p> <p>6.1.1 Pressures on environment and climate</p> <p>6.1.1.2 Emissions and pressures: Natural and anthropogenic</p> <p>6.1.1.4 Future climate</p> <p>6.1.1.5 Climate change natural and socio-economic impacts</p> <p>6.1.2 Environment and health</p> <p>6.1.2.2 Health effects of environmental stressors other than climate change</p> <p>6.1.2.3 Methods and decision support tools for environmental health risk analysis and policy development</p> <p>6.1.3 Natural Hazards</p> <p>6.1.3.1 Hazard assessment, triggering factors and forecasting</p> <p>6.1.3.3 Risk assessment and management</p> <p>6.1.3.4 Multi-risk evaluation and mitigation strategies</p> <p>6.2.1 Conservation and sustainable management of natural and man-made resources and biodiversity</p> <p>6.2.1.5 Urban development</p> <p>6.3 Environmental technologies</p> <p>6.3.1 Environmental technologies for observation, simulation, prevention, mitigation, adaptation, remediation and restoration of the natural and man-made environment</p> <p>6.3.1.5 Built environment</p> <p>6.3.1.7 Air technologies</p> <p>6.4 Earth observation and assessment tools for sustainable development</p> <p>6.4.2 Forecasting methods and assessment tools for sustainable development taking into account differing scales of observation</p> <p>6.4.2.1 Tools for impact assessment</p> <p>6.4.2.2 Sustainable development indicators</p> <p>6.4.2.3 Interplay between social, economic and ecological systems</p>		
<p>Please, insert spheres, which are not listed above, related to your competences and can be of common EU-Russia cooperation interest in Environment, probably in emerging, cross-cutting spheres</p> <ol style="list-style-type: none"> Establishment and integrated study of protected areas systems in semi-arid and arid regions of the temperate zone. Development of methodology of integrated territorial analysis using GIS technologies and data of the Earth remote sensing. 			
<p>Short description of the organization/department/research team* (max 12 lines):</p> <p>Scientific and innovation training center of geo-information technologies, laboratory of urban ecology and regional analysis of Geography Faculty of Saratov State University named after N.G.Chernyshevsky, laboratory of geo-information science and thematic mapping. Within the past 16 years the laboratories have implemented dozens of projects in environment</p>			



protection and regional planning. The center has developed geo-information systems for oil fields, long-distance pipelines, and municipal institutions, specialized GIS in ecology, medicine, law enforcement agencies and nature conservation agencies. The laboratories have latest equipment for receiving remote sensing data, equipment to control environment condition and to create digital maps.

Publications (other references) (max 10):
 Makarov V.Z. Landscape and environment analysis of a large industrial city. Saratov, Saratov University Publishers, 2001, 176p.
 Konopatskova O.M., Makarov V.Z., Chumachenko A.N. Medical and environmental analysis of spreading of malignant skin tumor in Saratov. Saratov, Saratov University Publishers, 2000, 92p.
 Makarov V.Z., Novakovskiy B.A., Chumachenko A.N. Environmental and geographic mapping of cities. M.. Nauchny Mir, 2002., 196p.
 Makarov V.Z., Chumachenko A.N., Savinov V. A., Danilov V.A. National park «Khvalynsky»: landscape characteristics and geographic information system. Saratov, Saratov University Publishers, 2006.
 Makarov V.Z., Chumachenko A.N., Fedorov A.V. et al. Protected natural areas of Saratov Oblast. Saratov, Saratov University Publishers, 2007. 300p.
 Kislov A.V., Evstigneev V.M., Malkhazova S.M., Surkova G.V., Toropov P.A., Chernyshov A.V., Chumachenko A.N. Forecasting of climatic ресурсообеспеченности Of East European plain under the conditions of warming in the XXI century. M., Max-Press, 2008. – 292p.
 Makarov V.Z., Molostovsky E.A., Surovtseva O.V., Chumachenko A.N. Structure and dynamics of technogenous geochemical fields on the area of Saratov. News of Saratov University. Earth science series, 2009, issue. 2, volume 9.p.

Scientific keywords	✓ Landscape geography, medical geography	✓ Geo-urban ecology, regional planning	✓ Geographic information systems	✓ Climate changes, sustainable development	✓ Risk-analysis
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Participation in EU's Framework Programme projects
(please include information about no more than 3 projects, the most relevant ones)

YES NO

Participation in other European programmes projects
(please include information about no more than 3 projects, the most relevant ones)

YES NO

Participation in relevant Russian projects
(please include information about no more than 3 projects, the most relevant ones)

YES NO

If yes:

Project(s) description	Title	1. Methodology, information and organization background of integrated geo-environmental monitoring of a large industrial city as a condition of sustainable development of complex natural - anthropogenic systems. 2. Development of multipurpose geo-information systems for the optimization of management of territorial structures and regional level processes (by the example of Saratov Oblast)			
	Acronym	-			
	Duration	5 years			
	Web-site	-			
	Reference to the FP7 theme “Environment”	6.1.1.2 Emissions and pressures: Natural and anthropogenic 6.1.2.2 Health effects of environmental stressors other than climate change 6.2.1.5. Urban development 6.4.2.2. Sustainable development indicators 6.4.2.3. Interplay between social, economic and ecological systems			
	Project brief description	1. Development and testing of methodology of integrated urban environmental analysis of large industrial cities based on conceptual models of landscape ecology and geo-ecology using GIS technologies and remote sensing data. 2. Development of full-scale and specialized geo-information systems for the sustainable development of a territory.			
Activities performed	<input checked="" type="checkbox"/> Research and Technological Development <input checked="" type="checkbox"/> Demonstration	<input checked="" type="checkbox"/> Management <input checked="" type="checkbox"/> Coordination	<input checked="" type="checkbox"/> Training <input checked="" type="checkbox"/> Support		



E-URAL “European Union and Russia link for S&T co-operation in the area of the Environment”

		<p>The GIS center and the laboratories of Geography Faculty of Saratov State University have developed and introduced the methodology and technique of integrated geo-environmental analysis of large cities (by the example of Saratov, Balakovo and Engels) and have prepared projects for regional development of administrative areas of Saratov Oblast on the basis of environmentally balanced land management with the analysis of social and environmental risks for the following 25 years. The center has prepared full-function and specialized GIS for municipal agencies, oil and gas producing companies and nature conservation agencies.</p>		
Call identifier*				
Topic(s) number*				
Call Deadline*				
Role in the project*	<input type="checkbox"/> Coordinator <input checked="" type="checkbox"/> Partner			
Type of suggested activities*	<input checked="" type="checkbox"/> RTD <input type="checkbox"/> Demonstration	<input checked="" type="checkbox"/> Training <input type="checkbox"/> Coordination	<input checked="" type="checkbox"/> Support <input type="checkbox"/> Management	
<p>Project proposal (for coordinators)/Expertise offered (for partners)* (max 500 words):</p> <ol style="list-style-type: none"> 1. Medical and geographical analysis of urban environment 2. Assessment of natural and anthropogenic risk factors of the oil field exploitation 				



(!)Organization Name*	Caspian Regional Center “Environment and Law” Ltd.		
(!)Department/Unit*	-		
(!)Head of Department / Unit (Name, Title)*	-		
(!)Contact person (name, position in organization, title (Mr/Mrs/Dr or other)*	Alexander A. Aldabaev, General Director		
E-Mail*	krc_eip@list.ru		
Phone (country code – city code – number)*	+78512303440		
Fax (country code – city code – number)	+78512301163		
Web-site	-		
Organisation type	<input type="checkbox"/> University <input type="checkbox"/> Research Centre	<input checked="" type="checkbox"/> SME <input type="checkbox"/> Large Company	<input type="checkbox"/> Consultancy <input type="checkbox"/> Public Administration
(!)Organization Address*	11 Tikhoretsky str., 414024 Astrakhan		
Country*	Russian Federation		
Russian Federal District	<input type="checkbox"/> Centre <input type="checkbox"/> Far-East	<input type="checkbox"/> South <input type="checkbox"/> Northwest	<input type="checkbox"/> Siberia <input type="checkbox"/> Ural <input checked="" type="checkbox"/> Volga
Competences in FP7 Theme “Environment (Including Climate Change)”	<p>6.1 Climate Change, pollution and risks 6.1.1.5 Climate change natural and socio-economic impacts 6.1.1.6 Response strategies: adaptation, mitigation and policies 6.1.3 Natural Hazards 6.1.3.2 Vulnerability assessment and societal impacts 6.2 Sustainable management of resources 6.2.2 Management of marine environments 6.2.2.1 Marine resources 6.3 Environmental technologies 6.3.1.1 Water 6.3.1.6 Marine environment 6.4 Earth observation and assessment tools for sustainable development 6.4.2 Forecasting methods and assessment tools for sustainable development taking into account differing scales of observation 6.4.2.3 Interplay between social, economic and ecological systems</p>		
<p>Please, insert spheres, which are not listed above, related to your competences and can be of common EU-Russia cooperation interest in Environment, probably in emerging, cross-cutting spheres</p> <ol style="list-style-type: none"> 1. Environmental Law 2. The Law of the Sea 			
<p>Short description of the organization/department/research team* (max 12 lines): CRC “Ecology and law” Ltd. was founded in 2009 to develop mechanisms of legal and scientific support of environment protection. CRC activities include scientific research and development in the field of natural and technical science, development of databases and information resources, operations in the field of hydrometeorology and adjacent research areas, technical tests, research, certification and publishing.</p>			
<p>Publications (other references) (max 10):</p> <ol style="list-style-type: none"> 1. Aldabaev Alexander, Ostrovskaya Elena, Zornikova Olga. North Caspian: divide to exploit or share to preserve // Proceedings of the 9th international conference LITTORAL 2008 «A changing coast: challenge for the environmental policies», November 25-28 2008, Venice, Italy. 2. Aldabaev Alexander, Pavlova Maria. Specific features of exploitation and protection of the Caspian sea waters under uncertain legal status // Proceedings of IV International Symposium on Transboundary Waters Management Thessaloniki, Greece, 15-18 October 2008 3. Porokhnin A.A., Kurapov A.A., Andreev V.V., Kurinnaya I.S., Butaev A.M., Monakhov S.K., Aldabaev A.A., Pavlova M.P., Monakhova G.A. Environment of oil and gas complex of the Caspian Sea// <i>Environment protection in oil and gas complex</i>, 2009, №9, pp. 8-14 4. Aldabaev A.A., Pavlova M.V., Monakhova G.A., Butaev A.M. The Issue of Legal Status and Diversity of Ecosystems of the Caspian Sea // Proceeding of the Ninth International Conference on the Mediterranean Coastal Environment/ MEDCOAST 09, E.Ozhan (editor), 10-14 November 2009, Sochi, Russia – P.157-166 			



Scientific keywords	<input checked="" type="checkbox"/> Environmental law	<input checked="" type="checkbox"/> Environmental monitoring	<input checked="" type="checkbox"/> Management of marine environments	<input checked="" type="checkbox"/> Pollution	<input checked="" type="checkbox"/> Environment protection
Participation in EU’s Framework Programme projects <i>(please include information about no more than 3 projects, the most relevant ones)</i>				<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
Participation in other European programmes projects <i>(please include information about no more than 3 projects, the most relevant ones)</i>				<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
Participation in relevant Russian projects <i>(please include information about no more than 3 projects, the most relevant ones)</i>				<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
If yes:					
Project(s) description	Title	Assessment of environmental state of the Volga – Caspian Canal water area in the areas of dredging operations and dumps of extracted soil			
	Acronym	-			
	Duration	2009			
	Web-site	-			
	Reference to the FP7 theme “Environment”	6.3 Технологии в области защиты окружающей среды 6.3.1 Технологии для наблюдения, моделирования, предотвращения, смягчения, адаптации, исправления и восстановления природной и антропогенной окружающей среды			
	Project brief description	The objective of the project is to assess the environmental state of the Volga – Caspian marine navigation canal in the areas of dredging operations and dumps of extracted soil. The tasks are as follows: to describe Hydrometeorological, hydro-chemical, hydrobiological and lithological conditions in the marine part of the Volga – Caspian canal, including the areas of soil extracting and dumping; to carry out diagnostics and assessment of environmental situation in the areas of soil extracting and dumping while field work is carried out, to forecast the environmental situation in the marine part of the canal, to assess the impact of anthropogenic and natural factors on the marine environment quality and biocoenosis condition in the marine part of the canal, to make offers how to reduce the negative impact of dredging on the environment and the biota.			
Activities performed	<input checked="" type="checkbox"/> Research and Technological Development <input type="checkbox"/> Demonstration	<input type="checkbox"/> Management <input type="checkbox"/> Coordination	<input type="checkbox"/> Training <input checked="" type="checkbox"/> Support	<i>Please specify:</i>	



(!)Organization Name*		Stavropol State Agrarian University			
(!)Department/Unit*		Ecology and Landscape Construction Department			
(!)Head of Department / Unit (Name, Title)*					
(!)Contact person (name, position in organization, title (Mr/Mrs/Dr or other)*		Dr. Nikolai I. Kornilov, Doctor of Science (Chemistry), Professor of Ecology and Landscape Construction Department			
E-Mail*		nkornilov@26.ru			
Phone (country code – city code – number)*		+7-8652-263449			
Fax (country code – city code – number)		+7-8652-263449			
Web-site					
Organisation type		<input checked="" type="checkbox"/> University <input type="checkbox"/> SME <input type="checkbox"/> Consultancy <input type="checkbox"/> Research Centre <input type="checkbox"/> Large Company <input type="checkbox"/> Public Administration			
(!)Organization Address*		Zootechnical str., 355000 Stavropol			
Country*		Russia			
Russian Federal District		<input type="checkbox"/> Centre <input checked="" type="checkbox"/> South <input type="checkbox"/> Siberia <input type="checkbox"/> Far-East <input type="checkbox"/> Northwest <input type="checkbox"/> Ural <input type="checkbox"/> Volga			
Competences in FP7 Theme “Environment (Including Climate Change)”		6.1 Climate Change, pollution and risks 6.1.2 Environment and health 6.1.2.2 Health effects of environmental stressors other than climate change 6.2.1 Conservation and sustainable management of natural and man-made resources and biodiversity 6.2.1.2 Water resources 6.3 Environmental technologies 6.3.1 Environmental technologies for observation, simulation, prevention, mitigation, adaptation, remediation and restoration of the natural and man-made environment 6.3.1.1 Water			
Short description of the organization/department/research team* (max 12 lines):					
<p>Scientific field devoted to mineral water was formed in Stavropol State Agrarian University at the Department for Ecology in 2003. The research tasks cover the study of composition and physical and chemical properties of surface and underground water in Eurasia and their effect on humans, animals and plants. The research studied not only natural drinking mineral waters, but also marine water, water-salt brine and peloid of sapropelic lakes. The research outcome formulated the principles of forming of composition and properties of Eurasian mineral and low-mineralized waters in the countries of the EU, the CIS and Russia. The research group is made up of post-graduates, teachers of the Department for Ecology and landscape construction and students of the specialty “Nature management”. As a result, in 2005 – 2009 37 research papers including one monograph were published.</p>					
Publications (other references) (max 10):					
<ul style="list-style-type: none"> • Vasil'tseva O.N. Classification of natural mineral waters of chloride – carbonate type (mathematical model and principles of composition and properties formation): Monograph, O.N.Vasil'tseva, N.I. Kornilov, E.N.Kornilova: Stavropol state agrarian university. - Stavropol: AGRUS, 2009. - 180 p. • Kornilova E. Monitoring of the Euroasian mineral water chloride-hydrocarbonat type/ Kornilova E., Kornilov N., Vasil'tseva O./ Chem. J. of Moldova. General, Industrial and Ecological Chemistry, 2009, 4 (1), 84-89 • Kornilov N.I. Identification of natural mineral waters of chloride – carbonate type / N.I. Kornilov, O.N.Ermolenko// Collection of research papers of NCSTU. Series: Natural science. - 2008. - №4. - pp.33-39. • Kornilov N.I. Comparative assessment of natural sulphate – hydrocarbonate waters of Russia, CIS countries, Germany and Italy / N.I. Kornilov, R.A.Kudinov, E.N.Kornilova, O.N.Ermolenko // Collection of materials of international scientific conference./ Stavropol SAU. - 2005. - v.1. Urgent issues of ecology and nature management. - p.394-401. • Ermolenko O.N. Identification of Eurasian mineral chloride – hydrocarbonate sodium mineral waters / O.N.Ermolenko, N.I. Kornilov, E.N.Kornilova // Natural and technical science, № 2(34), 2008. - p.232-234. • Ermolenko O.N. Study of interaction between electroconductivity and chemical composition of mineral waters of chloride-hydrocarbonate type / O.N.Ermolenko, N.I. Kornilov // Natural and technical sciences, №6 (38), 2008. - pp.152-158. 					
Scientific keywords	✓ Mineral waters	✓ Medical mud	✓ Surface water, including marine waters	✓ Mathematic modeling of water structure and properties	✓ Methods of water-salt solutions research



Participation in EU’s Framework Programme projects <i>(please include information about no more than 3 projects, the most relevant ones)</i>		<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	
Participation in other European programmes projects <i>(please include information about no more than 3 projects, the most relevant ones)</i>		<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	
Participation in relevant Russian projects <i>(please include information about no more than 3 projects, the most relevant ones)</i>		<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	
Call identifier*			
Topic(s) number*			
Call Deadline*			
Role in the project*		<input type="checkbox"/> Coordinator <input checked="" type="checkbox"/> Partner	
Type of suggested activities*		<input checked="" type="checkbox"/> RTD <input checked="" type="checkbox"/> Training <input type="checkbox"/> Demonstration <input type="checkbox"/> Coordination <input type="checkbox"/> Support <input type="checkbox"/> <input checked="" type="checkbox"/> Management	
Project proposal (for coordinators)/Expertise offered (for partners)* (max 500 words): As Doctor of Science in Chemistry and Professor, in accordance with research trends of Stavropol State Agrarian University I offer myself as a candidate for conducting expertise of objects, research methods and processing of obtained results on the projects of open competitions of 7FP theme «Environment (including climate change)» in themes 6.1.2.2., 6.2.1.2. and 6.3.1.1. and writing opinion letters on the following: <ol style="list-style-type: none"> 1. Methods and techniques of water quality assessment; 2. Monitoring of surface and underground water; 3. Assessment, certification and identification of natural waters of different deposits and springs; 4. Assessment of impact of natural waters and therapeutic mud on humans, plants and animals; 5. Assessment of man-induced impact on the quality of natural waters (chemical pollution and the impact of physical fields); 6. Assessment of changes in energoinformational water memory after its processing in the processes of water-salt exchange in physiological liquids in the organisms of humans, animals and plants. 			



Organization Name*	Voronezh State Academy of Forestry and Technologies				
Department/Unit*	Chemistry dept.				
Head of Department / Unit (Name, Title)*	Belchinskaya Larisa Ivanovna, Head od Chemistry dept. of Voronezh State Academy of Forestry and Technologies, professor				
Contact person (name, position in organization, title)*	Belchinskaya Larisa Ivanovna, Head od Chemistry dept. of Voronezh State Academy of Forestry and Technologies, professor				
E-Mail*	chem@vglta.vrn.ru				
Phone*	8(4732)537659				
Fax	8(4732)537651				
Web-site	http://www.vglta.vrn.ru				
Organization Address*	Timiryazeva str,8, Voronezh, Russia				
Organisation type	<input checked="" type="checkbox"/> University <input type="checkbox"/> Research Centre	<input type="checkbox"/> SME <input type="checkbox"/> Large Company	<input type="checkbox"/> Consultancy <input type="checkbox"/> Public Administration		
Russian Federal District*	<input checked="" type="checkbox"/> Centre <input type="checkbox"/> Far-East	<input type="checkbox"/> Northern Caucasus <input type="checkbox"/> Northwest	<input type="checkbox"/> Siberia <input type="checkbox"/> Ural <input type="checkbox"/> Volga		
Competences in FP7 Theme “Environment (Including Climate Change)”	6.3 Environmental technologies 6.3.1.1 Water 6.3.1.3 Waste 6.3.1.7 Air technologies				
Short description of the organization/department/research team* (max 12 lines): The central theme of researches, carried out by the chemical staff of Voronezh state academy of forestry and technologies under direction of Doctor of Technical Sciences, professor Larisa Belchinskaya – nanocoposition ecosorbents on the basis of natural minerals. Channelized it is connected with ecologization of furniture enterprises, that is to sterilization and utilization of waste products of furniture enterprises. For this purpose cheap natural accessible nanoporous sorbents, subjected to different types of modification are used. Their using allows mincing considerably concentration of high toxic organic compounds in gas bursts of woodworking enterprises and their emission from furniture, fiberboard, flake board, Medium Density Fiberboard, veneer wood and other adhesive-bonded materials, reducing number of toxicants in industrial waste waters. Neutrillized ammonia-tar waste waters, including urea-formaldehyde gums, utilize in agroecosystems as antiseptic for seed cultivation, in the capacity of nitrogenous fertilizer and woody plant growth stimulant, hard emulsion fraction with processed sorbents utilizes in building mortar and plaster as a binder.					
Publications (other references) (max 10): 1. Belchinskaya L.I. Reduction of sterol concentration in gas bursts of furniture plants / L.I. Belchinskaya, L. V. Kondratieva// Ecology and Industry of Russia. –May, 2005. – 36-39. 2. Belchinskaya L.I. Using of waste waters, formed by SHF-vacuum drying of oak wood/ L.I. Belchinskaya, A. M.Bombin, L. V. Kondratieva, A. K.Butorina, T. V. Vostrikova// Ecology and Industry of Russia. –August, 2005. – P.20-22. 3. Butorina, A. K. Studying of waste water dependence on cytogenetic figures of Bétula péndula[Text] / A. K. Butorina, T. V. Vostrikova, L.I. Belchinskaya, L. V. Kondratieva //Forestry. – 2006. - № 1. – P. 6-8. 4. Belchinskaya L.I. Complex recycling of waste waters of by-product-coking industry with lamellar silicates / L.I. Belchinskaya, A. V. Bondarenko, K. A. Kozlov// Ecology and Industry of Russia. –March, 2007. – P. 10-11. 5. Strelnikova, O.Y. Peculiarities of formaldehyde adsorption on zeolite, modified by organosiloxans / O.Y. Strelnikova, L.I. Belchinskaya, O.V. Voitcheva// Sorptional and chromatografic processes. – 2007. – V. 7. –Is.4. – P. 703-708. 6. Novikova L.A. Adsorption of acetic acid on natural and alkali-activated montmorillonite / L. A.Novikova, L.I. Belchinskaya, F. Ressonner// Sorptional and chromatografic processes. – 2007. – V. 7. – Is.5. – P. 741-745. 7. Belchinskaya L.I. Dependence of temperature of processing and impulse magnetic field on adsorption by clinoptilolite of formaldehyde fume / L.I. Belchinskaya, N. A. Hodosova, A. T. Kozlov// Sorptional and chromatografic processes.– 2008. – V.8. – Is. 1. – P.147-152. 8. Belchinskaya L.I. Increasing of adsorption selection of nanoporous clinoptilolite with hydrofobization by organosiloxans / L.I. Belchinskaya, O. Y. Strelnikova, L. A.Novikova, F.Ressonner, O. V. Voitcheva// Physicochemistry of surface and protection of materials.– 2008. – V. 44. - № 4. – P.419-422. 9. Belchinskaya L.I. Formaldehyde adsorption on mineral nanoporous sorbates, processed with impulse magnetic field / L.I. Belchinskaya, N. A. Hodosova, L. A. Bityuckaya// Physicochemistry of surface and protection of materials – 2009.– V.45. № 2. – P. 218-221. 10. Belchinskaya L.I. Lowering of ecological harm to environment by using vegetable fillers in veneer production / L.I. Belchinskaya, O. V. Lavlinskaya, N. A. Hodosova // Ecology and Industry of Russia. –September, 2009. – P.40-42.					
Scientific keywords	ecology	sorbents	modification	utilization	waste



E-URAL “European Union and Russia link for S&T co-operation in the area of the Environment”

Participation in EU’s Framework Programme projects <i>(please include information about no more than 3 projects, the most relevant ones)</i>		<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO	
Participation in other European programmes projects <i>(please include information about no more than 3 projects, the most relevant ones)</i>		<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO	
Participation in relevant Russian projects <i>(please include information about no more than 3 projects, the most relevant ones)</i>		<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO	
Description of other previous and present experience in International Cooperation (max. 10 lines) Подавали заявку на участие в FP7-Cooperation Work Programme: Food, Agriculture and Fisheries, and Biotechnologies; KBBE-2008-2B ECOWASTE “Eco-chemicals from organic wastes for sustainable land-use” совместно с Max Planck Institute of Molecular Plant Physiology Germany; Open joint-stock company “Green-PIK” Russia, Vladimir Region; V.N. Sukachev Institute of Forest Russia, Krasnoyarsk; Research Center for Toxicology and Hygienic Regulation of Biopreparations Russia, Serpukhov; University of Turku Finland; Marine Hydrophysical Institute Ukraine, Universita Politecnica delle Marche Italy; Lomonosov Moscow State University Russia, Moscow. Подавали заявку на участие в FP7- Cooperation Programme FP7-ENV-2009-1 по теме «Application of zeolites, clay minerals and several industrial wastes as eco-sorbents for development of environment protecting and resource-saving technologies».				
Call identifier*				
Topic(s) number*		KBBE.2011.1.2-02: Reducing mineral fertilisers and chemicals use in agriculture by recycling treated organic waste as compost and bio-char products KBBE.2011.3.4-01: BioWASTE - Novel biotechnological approaches for transforming industrial and/or municipal biowaste into bioproducts - SICA		
Call Deadline*				
Role in the project*		<input type="checkbox"/> Coordinator <input type="checkbox"/> Partner		
Type of suggested activities*		<input type="checkbox"/> RTD <input type="checkbox"/> Demonstration	<input type="checkbox"/> Training <input type="checkbox"/> Coordination	<input type="checkbox"/> Support <input type="checkbox"/> Management



(!)Organization Name*	Pacific Geographical Institute FEB RAS		
(!)Department/Unit*	Lab. for Land Hydrology and Climatology		
(!)Head of Department / Unit (Name, Title)*	Dr. Boris Gartsman, Head of Laboratory		
(!)Contact person (name, position in organization, title (Mr/Mrs/Dr or other)*	Dr. Boris Gartsman, Head of Laboratory		
E-Mail*	gartsman@inbox.ru		
Phone (country code – city code – number)*	+7 4232 312857		
Fax (country code – city code – number)	+7 4232 312159		
Web-site	http://www.tig.dvo.ru/tig/index.php?option=com_content&view=article&id=151:a&catid=19:-&Itemid=75		
Organisation type	<input type="checkbox"/> University <input checked="" type="checkbox"/> Research Centre	<input type="checkbox"/> SME <input type="checkbox"/> Large Company	<input type="checkbox"/> Consultancy <input type="checkbox"/> Public Administration
(!)Organization Address*	Radio st. 7, Vladivostok 690041, Russia		
Country*	Russia		
Russian Federal District	<input type="checkbox"/> Centre <input checked="" type="checkbox"/> Far-East	<input type="checkbox"/> South <input type="checkbox"/> Northwest	<input type="checkbox"/> Siberia <input type="checkbox"/> Ural <input type="checkbox"/> Volga
Competences in FP7 Theme “Environment (Including Climate Change)”	<p>6.1.1 Pressures on environment and climate 6.1.1.2 Emissions and pressures: Natural and anthropogenic 6.1.1.5 Climate change natural and socio-economic impacts 6.1.3 Natural Hazards 6.1.3.1 Hazard assessment, triggering factors and forecasting 6.1.3.2 Vulnerability assessment and societal impacts 6.1.3.3 Risk assessment and management 6.2.1 Conservation and sustainable management of natural and man-made resources and biodiversity 6.2.1.2 Water resources 6.3.1 Environmental technologies for observation, simulation, prevention, mitigation, adaptation, remediation and restoration of the natural and man-made environment 6.3.1.1 Water</p>		
Short description of the organization/department/research team* (max 12 lines):			
<p>Pacific Institute of Geography was created in framework of Far Eastern Branch of Russian Academy of Sciences in 1971 to develop wide-range geographical investigations within Asia-Pacific region. It consist of 20 laboratories and research departments, including Geomorphology, Paleogeography, Geochemistry, Biogeography, Cartography, GIS and Modelling, Population Geography, Medical Geography etc. The laboratory of Hydrology and Climatology was established in 2005. The staff consists of 6 researchers, including 3 PhD and 1 Dr.Sci.</p> <p>Research directions (within Russia Far East and Pacific Region) are: spatial trends and temporal variability of the main climate parameters, water balance and hydrological regime; morphological features and spatial structures of terrestrial water objects, especially static and dynamic modeling of the river network; extremal aspects of hydrological regime and associated natural hazards in climate change and landscape alterations; development of the optimal regulation of complicated (territorial) water management system in changing climate and unstable hydrological regime.</p>			
Publications (other references) (max 10):			
<ol style="list-style-type: none"> Gartsman, B., van Nooijen, R, Kolehkina, A. Implementation issues ,or total risk calculation for groups of sites // Physics and Chemistry of the Earth, Parts A/B/C. Vol. 34, Iss. 10-12, 2009, P. 619-625 Lee K.T., Chen N.C., Gartsman B.I. Impact of stream network structure on the transition break of peak flows // Journal of Hydrology, 2009, vol. 367, iss. 3-4, pp. 283-292 B. I. Gartsman. Rain floods on rivers of the South of Far East: methods of calculation, forecasts, risk assessment / Pacific Institute of Geography FEB RAS. - Vladivostok: Dalnauka, 2008. 222 pp. (in Russ) B. I. Gartsman. Effect of basin counter-regulation with extreme rain flood generation // Geography and Natural Resources 1 (2007) 14–21 (in Russ) B. I. Gartsman, T. S. Gubareva. Forecast of the Rainfall Flood Hydrograph on the Far East Rivers // Russian Meteorology and Hydrology, Vol. 32, No. 5, 2007. 			



6. L.M.Korytny, B.I.Gartsman, N.V.Kichigina, T.S.Gubareva. Heavy rain floods in the Far East and Eastern Siberia / Extreme Hydrological Events: New Concepts for Security. Nato Science Series: IV: Earth and Environmental Sciences. Springer-Verlag. Berlin-Heidelberg-New York. 2007. p. 125-135.
7. T.S.Gubareva, B.I.Gartsman. Flood discharges estimation in the Amur Basin: alternative approach and spatial relations / Flood, from Defence to management. 2005. Taylor & Francis Group, London. ISBN 0 415 38050 2, P.195-204
8. B.Gartsman & M.Karasyov. Short-time flood forecast methodology using a hydro-meteorological risk concept for flood plains / Early Warning Systems for Natural Disaster Reduction. Springer-Verlag. Berlin-Heidelberg-New York. 2001. P. 251-255.
9. B.Gartsman, M.Karasyov, L.A.Stepanenko. Risk mapping of flood and water-erosion processes development within valleys of monsoon zone rivers: methodical and application aspects // Water Resources. №1. 2000. pp.13-20.
10. B.Gartsman & M.Karasyov. Rain floods in river valleys: risk control, protection and insurance / Natural Disaster Management. Tudor Rose. Leicester. 1999. pp. 114-116.

Scientific keywords	<input checked="" type="checkbox"/> Flood Prediction	<input checked="" type="checkbox"/> Water Resources	<input checked="" type="checkbox"/> Riverbed Processes	<input checked="" type="checkbox"/> Risk Analysis	<input checked="" type="checkbox"/> Hydrological Monitoring
Participation in EU's Framework Programme projects <i>(please include information about no more than 3 projects, the most relevant ones)</i>				<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
Participation in other European programmes projects <i>(please include information about no more than 3 projects, the most relevant ones)</i>				<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
Participation in relevant Russian projects <i>(please include information about no more than 3 projects, the most relevant ones)</i>				<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO

If yes:		
Project(s) description	Title	Dynamic of river systems and water resources in Amur River Basin under the climate changes and human activity impact
	Acronym	RFBR 09-05-13539
	Duration	2010-2013
	Web-site	
	Reference to the FP7 theme "Environment"	6.1.1.2 Emissions and pressures: Natural and anthropogenic 6.1.1.5 Climate change natural and socio-economic impacts 6.2.1.2 Water resources
	Project brief description	The project subjects proposed are: to determine the water cycle parameters and the water balance components of small river basins within Amur watershed on the base of deterministic rainfall-runoff modeling; to study its spatial relationship and landscape conditionality; to estimate the perennial dynamic of hydrologic regime and water resources of Amur basin under impact of climate changes and human activity.
	Activities performed	<input checked="" type="checkbox"/> Research and Technological Development <input type="checkbox"/> Management <input type="checkbox"/> Training <input type="checkbox"/> Demonstration <input type="checkbox"/> Coordination <input type="checkbox"/> Support <i>Please specify: Project leader and supervisor of studies</i>
Project(s) description	Title	Components of automatic runoff forecasting technology to optimize the complex water systems management in Russian Far East.
	Acronym	Earth Science Branch of RAS 09-I-OH3-14
	Duration	2009-2011
	Web-site	
	Reference to the FP7 theme "Environment"	6.3.1 Environmental technologies for observation, simulation, prevention, mitigation, adaptation, remediation and restoration of the natural and man-made environment (Water) 6.2.1.2 Water resources
	Project brief description	The project aim is theoretical, technological and informatical developing of s.c. "regional hydrological model" – distributed on the base of real river network structure hydrological model, adequate for runoff monitoring, assessment and forecasting in meso- and macroscale in Russian Far East region.
	Activities performed	<input checked="" type="checkbox"/> Research and Technological Development <input type="checkbox"/> Management <input type="checkbox"/> Training <input type="checkbox"/> Demonstration <input type="checkbox"/> Coordination <input type="checkbox"/> Support <i>Please specify: Project leader and supervisor of studies</i>
	Title	Extremal aspects of structure-function relations in river systems



E-URAL “European Union and Russia link for S&T co-operation in the area of the Environment”

Project(s) description	Acronym	RFBR 04-05-65255		
	Duration	2004-2006		
	Web-site			
	Reference to the FP7 theme “Environment”	6.1.3.1 Hazard assessment, triggering factors and forecasting 6.2.1.2 Water resources		
	Project brief description	The project subject is to investigate the relations between structural and functional characteristics of river system under extreme flood forming for developing the indicative methods of its calculating and predicting, and for assessment the landscape-hydrological systems stability under forthcoming climate changes. The results is new knowledge about theory, methodology, technology and geographical aspects of applying the “rainfall-runoff” models to investigate the water regime of small river basins, both gauged and ungauged.		
	Activities performed	<input checked="" type="checkbox"/> Research and Technological Development <input type="checkbox"/> Demonstration	<input type="checkbox"/> Management <input type="checkbox"/> Coordination	<input type="checkbox"/> Training <input type="checkbox"/> Support

Please specify: Project leader and supervisor of studies

Description of other previous and present experience in International Cooperation (max. 10 lines)

- National Science Council of Taiwan and Russian Foundation of Basic Research - River network pattern and watersheds morphology within north-west part of Pacific seismic belt – 2010-2013;
- Austrian Exchange Service (OAED 4/2006) and Russian Foundation of Basic Research - Extremal dynamics and sustainability of river systems under climatic and landscape changes – 2006-2008;
- National Science Council of Taiwan (NSC 94WFA2000011) and Russian Foundation of Basic Research - Modeling dynamic river systems under extreme floods in different landscapes of monsoon climate zone – 2005-2008;
- Netherlands Organisation for Scientific Research (NWO 047.014.011) - Statistical Properties of Flood Runoff of North Euroasia Rivers under Conditions of Climate Change – 2001-2004;
- MacArthur Foundation – Dynamics of Riverbed Process in Conditions of Economic Development of Valleys of the Small and Middle Rivers of the South of Russian Far East Region – 2000.



E-URAL “European Union and Russia link for S&T co-operation in the area of the Environment”

(!)Organization Name*	Institute of Monitoring of Climatic and Ecological Systems SB RAS		
(!)Department/Unit*	Siberian Branch of RAS		
(!)Head of Department / Unit (Name, Title)*	Academician Aseev A.L.		
(!)Contact person (name, position in organization, title (Mr/Mrs/Dr or other)*	Loginov Sergey, <i>Senior Researcher</i>		
E-Mail*	ceo@imces.ru		
Phone (country code – city code – number)*	(73822)491965		
Fax (country code – city code – number)	(73822)492681		
Web-site			
Organisation type	<input type="checkbox"/> University <input checked="" type="checkbox"/> Research Centre	<input type="checkbox"/> SME <input type="checkbox"/> Large Company	<input type="checkbox"/> Consultancy <input type="checkbox"/> Public Administration
(!)Organization Address*	10/3, Academicheskii av., Tomsk, 634021, Russia		
Country*			
Russian Federal District	<input type="checkbox"/> Centre <input type="checkbox"/> Far-East	<input type="checkbox"/> South <input type="checkbox"/> Northwest	<input checked="" type="checkbox"/> Siberia <input type="checkbox"/> Ural <input type="checkbox"/> Volga
Competences in FP7 Theme “Environment (Including Climate Change)”	6.1 Climate Change, pollution and risks 6.1.1 Pressures on environment and climate 6.1.1.1 The Earth System and Climate: Functioning and abrupt changes 6.1.1.2 Emissions and pressures: Natural and anthropogenic		
Participation in EU’s Framework Programme projects <i>(please include information about no more than 3 projects, the most relevant ones)</i>	<input type="checkbox"/> YES		<input checked="" type="checkbox"/> NO
Participation in other European programmes projects <i>(please include information about no more than 3 projects, the most relevant ones)</i>	<input type="checkbox"/> YES		<input checked="" type="checkbox"/> NO
Participation in relevant Russian projects <i>(please include information about no more than 3 projects, the most relevant ones)</i>	<input type="checkbox"/> YES		<input checked="" type="checkbox"/> NO



E-URAL “European Union and Russia link for S&T co-operation in the area of the Environment”

(!)Organization Name*	Institute of Monitoring of Climatic and Ecological Systems SB RAS		
(!)Department/Unit*	Siberian Branch of RAS		
(!)Head of Department / Unit (Name, Title)*	Academician Aseev A.L.		
(!)Contact person (name, position in organization, title (Mr/Mrs/Dr or other)*	Ippolitov Ivan, <i>Head of Laboratory</i> , professor		
E-Mail*	ceo@imces.ru		
Phone (country code – city code – number)*	(73822)491944		
Fax (country code – city code – number)	(73822)492681		
Web-site			
Organisation type	<input type="checkbox"/> University <input checked="" type="checkbox"/> Research Centre	<input type="checkbox"/> SME <input type="checkbox"/> Large Company	<input type="checkbox"/> Consultancy <input type="checkbox"/> Public Administration
(!)Organization Address*	10/3, Academicheskii av., Tomsk, 634021, Russia		
Country*			
Russian Federal District	<input type="checkbox"/> Centre <input type="checkbox"/> Far-East	<input type="checkbox"/> South <input type="checkbox"/> Northwest	<input checked="" type="checkbox"/> Siberia <input type="checkbox"/> Ural <input type="checkbox"/> Volga
Competences in FP7 Theme “Environment (Including Climate Change)”	6.1 Climate Change, pollution and risks 6.1.1 Pressures on environment and climate 6.1.1.1 The Earth System and Climate: Functioning and abrupt changes 6.1.1.2 Emissions and pressures: Natural and anthropogenic		
Participation in EU’s Framework Programme projects <i>(please include information about no more than 3 projects, the most relevant ones)</i>	<input type="checkbox"/> YES		<input checked="" type="checkbox"/> NO
Participation in other European programmes projects <i>(please include information about no more than 3 projects, the most relevant ones)</i>	<input type="checkbox"/> YES		<input checked="" type="checkbox"/> NO
Participation in relevant Russian projects <i>(please include information about no more than 3 projects, the most relevant ones)</i>	<input type="checkbox"/> YES		<input checked="" type="checkbox"/> NO



(!)Organization Name*	Institute of plant and animal ecology of the Ural Branch of the Russian Academy of Sciences (IPAE UB RAS) Ural State Forest Engineering University		
(!)Department/Unit*	Joint (IPAE UB RAS & Ural State Forest Engineering University) GIS-technology Research Laboratory for Forest Sciences and Ecology		
(!)Head of Department / Unit (Name, Title)*	Valery Fomin – Co-head of GIS-Tech Lab Stepan Shiyatov - Co-head of GIS-Tech Lab		
(!)Contact person (name, position in organization, title (Mr/Mrs/Dr or other)*	Dr. Valery Fomin, co-head of Joint (IPAE UB RAS & Ural State Forest Engineering University) GIS-technology Research Laboratory for Forest Sciences and Ecology		
E-Mail*	fomval@gmail.com		
Phone (country code – city code – number)*	+7 901 201-07-40		
Fax (country code – city code – number)	+7 (343) 210-38-53		
Web-site	IPAE UB RAS: http://ipae.uran.ru/ GIS-Tech Laboratory: http://servicetechno.com/gis/index_r.htm Publications: http://intas.servicetechno.com/other_publications.htm		
Organisation type	<input checked="" type="checkbox"/> University <input checked="" type="checkbox"/> Research Centre	<input type="checkbox"/> SME <input type="checkbox"/> Large Company	<input type="checkbox"/> Consultancy <input type="checkbox"/> Public Administration
(!)Organization Address*	620144 Russia, Yekaterinburg, ul. 8 Marta, 202/3		
Country*	Russia		
Russian Federal District	<input type="checkbox"/> Centre <input type="checkbox"/> Far-East	<input type="checkbox"/> South <input type="checkbox"/> Northwest	<input type="checkbox"/> Siberia <input checked="" type="checkbox"/> Ural <input type="checkbox"/> Volga
Competences in FP7 Theme “Environment (Including Climate Change)”	6.1 Climate Change, pollution and risks 6.1.1.2 Emissions and pressures: Natural and anthropogenic 6.2.1.6 Integrated forest research 6.4.1 Earth and ocean observation systems and monitoring methods for the environment and sustainable development 6.4.2.1 Tools for impact assessment		
Short description of the organization/department/research team* (max 12 lines):			
<p>Institute of Plant and Animal Ecology, Ural Branch of RAS (before 1964 - Institute of Biology, Ural Branch of the Academy of Sciences of the USSR) was established in June 18, 1944. Today the Institute is the largest research institute of biological profile in the Urals region, one of the leaders of the fundamental works in the field of ecology and environmental protection in the Russian Federation.</p> <p>The general direction of scientific research is to study of patterns of organization, functioning, dynamics, evolution and sustainability of living systems at the level of populations, communities and ecosystems.</p> <p>Joint Research Laboratory of GIS-technologies in the field of forest sciences and ecology was established in 2002, the Ural State Forestry University (Order № 1A on January 8, 2002) and the Institute of Plant and Animal Ecology, Ural Branch of RAS (Order № 12 dated February 12, 2002) to research and resolve practical problems in forest sciences and ecology using GIS-technologies and improvement training of foresters.</p>			
Publications (other references) (max 10):			
1. Shlaumova Yu. V., Fomin V. V., Kapralov D. S. Spatio-temporal dynamics of the climate in the Urals in the second half of the XXth century // Meteorology and hydrology. 2010. No. 2. P. 44-45. 2. Fomin V. V. Climate driven shift and anthropogenic spatio-temporal dynamics of tree vegetation in the second half of the XXth century / monograph Yekaterinburg: Ural Branch of the Russian Academy of Sciences. 2009. 150 p. 3. Fomin V.V., Popov A.S., Nizametdinov N.F., Shalaumova Yu.V., Mikhailovich A.P. Metrological aspects of image analysis // Measurement Techniques. 2008. Vol. 51. No. 2. P. 146-151. 4. Shiyatov S.G., Terent'ev M.M., Fomin V.V., Zimmermann N.E. Altitudinal and horizontal shifts of the upper boundaries of open and closed forests in the Polar Urals in the 20th century // Russian Journal of Ecology. 2007. Vol. 38. No. 4. P. 223-227. 5. Fomin V.V., Kapralov D. S., Terent'ev M.M., Barova A. A., Ustinov A. V., Zimmermann N.E. Spatio-temporal dynamics of upper tree line in the Southern Urals in the second half of XXth century // Geoinformatika. No. 1. P. 56-61. 6. Kapralov D.S., Fomin V.V., Shiyatov S.G., Moiseev P.A. Changes in the composition, structure, and altitudinal distribution of low forests at the upper limit of their growth in the Northern Ural Mountains // Russian Journal of Ecology. 2006. Vol. 37. No. 6. P. 367-372. 7. Shiyatov S.G., Terent'ev M.M., Fomin V.V. Spatiotemporal dynamics of forest-tundra communities in the Polar Urals //			



<p>Russian Journal of Ecology. 2005. Vol. 36. No. 2. P. 69-75. 8. Fomin V.V., Shavnin S.A. Effect of mountain relief and industrial air pollution on biometric characteristics of pine stands // Russian Journal of Ecology. 2002. Vol. 33. No. 3. P. 156-160. 9. Fomin V.V., Shavnin S.A., Marina N.V., Novoselova G.N. A nonspecific response of the photosynthetic apparatus of pine needles to industrial air pollution and shading // Russian Journal of Plant Physiology. 2001. Vol. 48. No. 5. P. 657-661. 10. Fomin V.V., Shavnin S.A. Ecological zoning of forests in areas exposed to industrial air pollution // Russian Journal of Ecology. 2001. Vol. 32. No. 2. P. 89-93. Detailed list of publications: http://intas.servicetechno.com/other_publications.htm</p>					
Scientific keywords	<input checked="" type="checkbox"/> dendroecology	<input checked="" type="checkbox"/> climate and air pollution	<input checked="" type="checkbox"/> GIS-technologies and modeling	<input checked="" type="checkbox"/> automated image analysis	<input checked="" type="checkbox"/> Internet-aware applications
Participation in EU's Framework Programme projects <i>(please include information about no more than 3 projects, the most relevant ones)</i>				<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
Participation in other European programmes projects <i>(please include information about no more than 3 projects, the most relevant ones)</i>				<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
If yes:					
Project(s) description	Title	Early Response Areas for Climate Change in Eurasia – Spatio-Temporal Dynamics of Upper Tree-Line in the Ural Mountains and Implications for Carbon Sequestration			
	Acronym	INTAS 01-0052			
	Duration	2002-2005			
	Web-site	http://intas.servicetechno.com			
	Reference to the FP7 theme "Environment"	<i>(please insert its area/sub-area number and title - see the table "COMPETENCES")</i> FP7-ENV-2011			
	Project brief description	<p>During this project the extensive studies of the effect of climate change on mountain-tundra communities in the Polar, Northern and Southern Urals (Russia) was carried out. As a result of this research, the regularity of spatial-temporal dynamics of forest vegetation in three Ural regions in the second half of XX century was studied. Main results of the project were described in the papers (see number 4, 5, 6 and 7 in section "Publication" as well as on the web-page http://intas.servicetechno.com/other_publications.htm)</p>			
Activities performed	<input checked="" type="checkbox"/> Research and Technological Development <input type="checkbox"/> Demonstration		<input type="checkbox"/> Management <input type="checkbox"/> Coordination		<input type="checkbox"/> Training <input type="checkbox"/> Support
Please specify: maps creation, spatial analysis, climate analysis on GIS					
Participation in relevant Russian projects <i>(please include information about no more than 3 projects, the most relevant ones)</i>				<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
If yes:					
Project(s) description	Title	1) Response of tree stands to the climate change and antropogenic impact; 2) Climatogenic and anthropogenic dynamics of tree species in extreme environment conditions; 3) Study of climate change and climate driven and anthropogenic spatio-temporal dynamics of trees with the use of multipurpose information system			
	Acronym	1) RFBR 06-04-49359; 2) RFBR 09-04-01004; 3) RFBR 09-09-04-13850			
	Duration	2006-2008; 2009-2011; 2009-2010			
	Web-site	no			
	Reference to the FP7 theme "Environment"	<i>(please insert its area/sub-area number and title - see the table "COMPETENCES")</i> FP7-ENV-2011			
	Project brief description	<p>Bateson's paradigm for study of complex systems will be used in this project as common methodology for analysis of climate and biological phenomenons at different spatial and time scales. Study of climate change and spatio-temporal dynamics of tree plants in the study regions with low (Polar and Southern Urals) and high (Middle Urals) level of anthropogenic impacts were implemented. Main results of the project were described in the following publications: number 1, 2, 3 and 5 (in section "Publication") as well as on the web-page http://intas.servicetechno.com/other_publications.htm)</p>			



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	Activities performed	<input checked="" type="checkbox"/> Research and Technological Development <input checked="" type="checkbox"/> Demonstration	<input checked="" type="checkbox"/> Management <input checked="" type="checkbox"/> Coordination	<input type="checkbox"/> Training <input type="checkbox"/> Support
		<i>Please specify: Spatial modeling, climate change, environment pollution, Internet-aware information system</i>		
Description of other previous and present experience in International Cooperation (max. 10 lines) INTAS 93-1645 “Lichen bioindication and morphophysiological characterization of forest in heavy polluted areas (the Middle Urals, Russia)”. During this project it was studied the effect of industrial air pollutions of copper smelting plant on forest ecosystems in the Middle Urals (Russia). Huge sets of forest plant parameters, climate data and environmental pollution characteristics were collected, processed and analyzed. Main results of the project were described in the papers of Russian Journal of Ecology (see number 8, 9, 10 in section “Publication” and on the web-page http://intas.servicetechno.com/other_publications.htm)				

INTEREST IN FP7 OPEN CALLS

(if interested in several FP7 Environment theme calls
 please copy and fill in the below table for each of them)

Call identifier*	FP7-ENV-2011		
Topic(s) number*	ENV.2011.1.1.2-1 The impact of atmospheric pollution on European land ecosystems and soil in a changing climate. ENV.2011.2.1.4-1 Potential of biodiversity and ecosystems for the mitigation of climate change. ENV.2011.2.1.4-2 Behaviour of ecosystems, thresholds and tipping points.		
Call Deadline*	November 16, 2010		
Role in the project*	<input type="checkbox"/> Coordinator <input checked="" type="checkbox"/> Partner		
Type of suggested activities*	<input checked="" type="checkbox"/> RTD <input type="checkbox"/> Demonstration	<input type="checkbox"/> Training <input type="checkbox"/> Coordination	<input type="checkbox"/> Support <input checked="" type="checkbox"/> Management
Project proposal (for coordinators)/Expertise offered (for partners)* (max 500 words): We are interested to participate in project in one (or more) the following fields: <ul style="list-style-type: none"> • the influence of industrial air pollution and global climate change on forest ecosystems; • processing and analyzing of spatial data, including remote sensing data; • spatial analysis and raster modeling in geographic information systems; • mathematical and statistical modeling; development of algorithms of image analysis; • automated analysis of images on macro and micro levels; • database development; • development of Internet-aware information systems. 			



Organization Name*	Institute of Monitoring of Climatic and Ecological Systems (IMCES) SB RAS		
Department/Unit*	Self-organization of geosystems		
Head of Department / Unit (Name, Title)*			
Contact person (name, position in organization, title)*	Dr Alexey V. Puchkin		
E-Mail*	burabay@mail.ru		
Phone*	10-3822-492223		
Fax			
Web-site			
Organization Address*	Tomsk, 634055, Russia, 10 / 3, Akademichesky Ave		
Organisation type	<input type="checkbox"/> University <input checked="" type="checkbox"/> Research Centre	<input type="checkbox"/> SME <input type="checkbox"/> Large Company	<input type="checkbox"/> Consultancy <input type="checkbox"/> Public Administration
Russian Federal District*	<input type="checkbox"/> Centre <input type="checkbox"/> Far-East	<input type="checkbox"/> Northern Caucasus <input type="checkbox"/> Northwest	<input checked="" type="checkbox"/> Siberia <input type="checkbox"/> Ural <input type="checkbox"/> Volga
Competences in FP7 Theme “Environment (Including Climate Change)”	6.1 Изменение климата, загрязнение и риски 6.1.1 Воздействие на окружающую среду и климат 6.1.1.1 Система Земли и климат: функционирование и внезапные изменения 6.1.1.2 Выбросы и воздействия: природное и антропогенное 6.1.1.5 Природные и социально-экономические последствия изменения климата 6.1.1.6 Стратегии ответных действий: адаптация, уменьшение вредного воздействия и политические решения 6.1.2.3 Методы и средства поддержки решений для анализа риска воздействия факторов окружающей среды на здоровье человека и разработка политики в этом направлении 6.1.3 Стихийные бедствия 6.1.3.1 Оценка опасности, провоцирующие факторы и прогнозирование 6.1.3.2 Изучение угрозы стихийных бедствий и их воздействия на общество 6.1.3.3 Оценка и управление рисками 6.1.3.4 Анализ множественных рисков и стратегии по их снижению 6.2 Устойчивое управление ресурсами 6.2.1.1 Комплексное управление ресурсами 6.2.1.2 Водные ресурсы 6.2.1.3 Исследования почвы и опустынивание 6.2.1.6 Комплексные исследования леса 6.3.1 Технологии для наблюдения, моделирования, предотвращения, смягчения, адаптации, исправления и восстановления природной и антропогенной окружающей среды 6.3.1.1 Вода 6.3.1.2 Почва 6.3.1.5 Антропогенная среда 6.3.2 Защита, сохранение и расширение культурного наследия, включая жизненное пространство человека 6.3.2.3 Эко-технологии для археологии и формирования ландшафтов 6.4 Наблюдение за Землей и инструменты оценки устойчивого развития 6.4.1 Системы наблюдения за Землей и океаном и методы мониторинга окружающей среды и устойчивого развития 6.4.1.4 Развитие деятельности по обучению и формированию навыков в области Наблюдения Земли в новых странах ЕС и развивающихся странах 6.4.2 Методы прогнозирования и инструменты оценки устойчивого развития с учетом различных масштабов наблюдения 6.4.2.1 Механизмы оценки воздействия		



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	6.4.2.2 Индикаторы устойчивого развития 6.4.2.3 Взаимодействие факторов между социальными, экономическими и экологическими системами
Short description of the organization/department/research team* (max 12 lines): The main investigation fields of IMCES are: * Scientific and technological basis for monitoring and modeling climatic and ecosystem changes under impact of natural and anthropogenic factors. * Basic foundation for designing new instruments, elements and materials for environmental monitoring.	
Participation in EU’s Framework Programme projects <i>(please include information about no more than 3 projects, the most relevant ones)</i>	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
Participation in other European programmes projects <i>(please include information about no more than 3 projects, the most relevant ones)</i>	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
Participation in relevant Russian projects <i>(please include information about no more than 3 projects, the most relevant ones)</i>	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO



Organization Name*		St.Petersburg State University			
Department/Unit*		Department of Climatology			
Contact person (name, position in organization, title)*		Mr. Ivan Sudakov, M.Sc., PhD Student			
E-Mail*		ivan.sudakov@gmail.com			
Phone*		+7(812)3245103			
Web-site		http://www.spbu.ru/			
Organization Address*		7-9, Universitetskaya nab., St.Petersburg, 199034			
Organisation type		<input checked="" type="checkbox"/> University	<input type="checkbox"/> SME	<input type="checkbox"/> Consultancy	
		<input type="checkbox"/> Research Centre	<input type="checkbox"/> Large Company	<input type="checkbox"/> Public Administration	
Russian Federal District*		<input type="checkbox"/> Centre	<input type="checkbox"/> Northern Caucasus	<input type="checkbox"/> Siberia	
		<input type="checkbox"/> Far-East	<input checked="" type="checkbox"/> Northwest	<input type="checkbox"/> Ural	
		<input type="checkbox"/> Volga			
Competences in FP7 Theme “Environment (Including Climate Change)”		6.1 Climate Change, pollution and risks 6.1.1 Pressures on environment and climate 6.1.1.1 The Earth System and Climate: Functioning and abrupt changes 6.1.1.2 Emissions and pressures: Natural and anthropogenic 6.1.1.3 The Global Carbon Cycle - greenhouse gas budgets 6.1.1.4 Future climate 6.1.1.5 Climate change natural and socio-economic impacts 6.2.1.3 Soil research and desertification 6.3.1.2 Soil			
Short description of the organization/department/research team* (max 12 lines): modeling methane emission from permafrost permafrost modelling climate modelling					
Scientific keywords	climate change	permafrost	methane emission		
Participation in EU’s Framework Programme projects <i>(please include information about no more than 3 projects, the most relevant ones)</i>				<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	
If yes:					
Project(s) description	Title	MONARCH-A			
	Acronym	MONARCH-A			
	Duration				
	Web-site				
	Reference to the FP7 theme “Environment”				
	Project brief description				
	Activities performed				
Participation in other European programmes projects <i>(please include information about no more than 3 projects, the most relevant ones)</i>				<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	
Participation in relevant Russian projects <i>(please include information about no more than 3 projects, the most relevant ones)</i>				<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	



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Organization Name*		St.Petersburg State University			
Department/Unit*		Department of Geoecology			
Contact person (name, position in organization, title)*		Mrs. Dubrava Kirievskaya, M.Sc., PhD Student			
E-Mail*		dubrava.kirievskaya@gmail.com			
Phone*					
Fax					
Web-site		http://www.spbu.ru/			
Organization Address*		7-9, Universitetskaya nab., St.Petersburg, 199034			
Organisation type		<input checked="" type="checkbox"/> University	<input type="checkbox"/> SME	<input type="checkbox"/> Consultancy	
		<input type="checkbox"/> Research Centre	<input type="checkbox"/> Large Company	<input type="checkbox"/> Public Administration	
Russian Federal District*		<input type="checkbox"/> Centre	<input type="checkbox"/> Northern Caucasus	<input type="checkbox"/> Siberia	
		<input type="checkbox"/> Far-East	<input checked="" type="checkbox"/> Northwest	<input type="checkbox"/> Ural	
		<input type="checkbox"/> Volga			
Competences in FP7 Theme “Environment (Including Climate Change)”		6.2.1 Conservation and sustainable management of natural and man-made resources and biodiversity 6.2.1.1 Integrated resource management 6.2.1.4 Biodiversity 6.2.2 Management of marine environments 6.2.2.1 Marine resources 6.2.2.2 The Ocean of Tomorrow joint call			
Short description of the organization/department/research team* (max 12 lines): integrated coastal management benthos sedimentology bottom deposits marine ecosystem					
Scientific keywords		coastal	Arctic	marine ecosystem	sedimentology benthos
Participation in EU’s Framework Programme projects <i>(please include information about no more than 3 projects, the most relevant ones)</i>				<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
Participation in other European programmes projects <i>(please include information about no more than 3 projects, the most relevant ones)</i>				<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
Participation in relevant Russian projects <i>(please include information about no more than 3 projects, the most relevant ones)</i>				<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO



(!)Organization Name*	Institute of Steppe Ural Branch of Russian Academy of Sciences
(!)Department/Unit*	Russian Academy of Sciences
(!)Contact person (name, position in organization, title (Mr/Mrs/Dr or other)*	Mjachina Ksenya Viktorovna, the research assistant, Phd; Mrs
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Phone (country code – city code – number)*	+7-3532-776247
Fax (country code – city code – number)	+7-3532-774432
Web-site	http://www.orensteppe.ru
Organisation type	<input type="checkbox"/> University <input type="checkbox"/> SME <input type="checkbox"/> Consultancy <input checked="" type="checkbox"/> Research Centre <input type="checkbox"/> Large Company <input type="checkbox"/> Public Administration
(!)Organization Address*	Russian Federation, 460000 Orenburg, Pionerskaya st, 11
Russian Federal District	<input type="checkbox"/> Centre <input type="checkbox"/> South <input type="checkbox"/> Siberia <input type="checkbox"/> Far-East <input type="checkbox"/> Northwest <input type="checkbox"/> Ural <input checked="" type="checkbox"/> Volga
Competences in FP7 Theme “Environment (Including Climate Change)”	6.1 Climate Change, pollution and risks 6.1.1 Pressures on environment and climate 6.1.1.2 Emissions and pressures: Natural and anthropogenic 6.1.3.1 Hazard assessment, triggering factors and forecasting 6.1.3.3 Risk assessment and management 6.1.3.4 Multi-risk evaluation and mitigation strategies 6.2 Sustainable management of resources 6.2.1 Conservation and sustainable management of natural and man-made resources and biodiversity 6.2.1.1 Integrated resource management 6.2.1.2 Water resources 6.2.1.3 Soil research and desertification 6.2.1.4 Biodiversity 6.3.2 Protection, conservation and enhancement of cultural heritage, including human habitat 6.3.2.1 Assessment and conservation in cultural heritage 6.3.2.2 Networking, knowledge transfer and optimisation of results in cultural heritage 6.3.2.3 Environment technologies for archaeology and landscapes 6.3.2.4 Fostering the integration of cultural heritage in urban and rural settings 6.4.1 Earth and ocean observation systems and monitoring methods for the environment and sustainable development 6.4.2 Forecasting methods and assessment tools for sustainable development taking into account differing scales of observation 6.4.2.1 Tools for impact assessment 6.4.2.2 Sustainable development indicators 6.4.2.3 Interplay between social, economic and ecological systems
<p>Please, insert spheres, which are not listed above, related to your competences and can be of common EU-Russia cooperation interest in Environment, probably in emerging, cross-cutting spheres</p> <p>The complex analysis of factors of differentiation of modern landscapes of a steppe zone and adjacent Territories (including definition of parameters of a drain, a deflation and desertification); - Working out of methodological approaches and an estimation of transformation of the natural complexes which are under the influence of various anthropogenous factors; - Monitoring of components of landscape sphere and working out of a cadastre of valuable soil and vegetative objects, definition of scientifically-legal bases of their protection; - Working out of strategy of maintenance of ecological stability of steppe, semidesertic and forest-steppe regions; - The decision of ecology-geographical problems of rationalization of wildlife management including a substantiation of optimum structure of landscape-ground fund and modes of steppe wildlife management; - The analysis of aspects of social and economic differentiation of regions, working out and optimization of indicators of a sustainable development of territory.</p>	
<p>Short description of the organization/department/research team* (max 12 lines):</p> <p>At Institute of steppe of Sciences fundamental bases the doctrine about steppe– the interdisciplinary field of knowledge, directed on studying of laws of functioning of dynamics of steppe landscapes are during the last years formulated. The steppe institute as unique not only in the Russian Federation, but also on all post-Soviet territory center of science of</p>	

studying of steppes in the long term can offer real scenarios of change of environment in a steppe belt of Eurasia. These scenarios are necessary for considering at development of strategy of a sustainable development of steppe and forest-steppe agricultural regions of Russia.

Publications (other references) (max 10):

1. Chibilyov, A. A. Ecological risks in territory of the Orenburg region / A.A.Chibilyov, K. V.Mjachina, V.M.Pavlejkichik//Problems of regional ecology. – 2010. - № 1. – with. 129. – 136.
2. Dubrovskaya, S.A. Estimation of anthropogenous transformation of soils on the basis of GIS-TECHNOLOGIES (on an example of Orsko-Novotroitskago of industrial knot) / S.A.Dubrovskaya, K. V.Mjachina//Geography and natural resources. – 2010. - № 1. – with. 48-53.
3. Water erosion in steppes of Southern Ural Mountains / A.I.Klimentyev, A.A.Chibilyov, Ju. M.Nesterenko, I. V.Lozhkin, D. G.Poljakov//Waters. Resources. – 2010. - № 1. – with. 1-12. = Water Erosion in the Southern Ural Steppes / A I. Kliment'ev, A. A. Chibilev, Yu. M. Nesterenko V. Lozhkin, D. G. Polyakov//Water Resources. – 2010. – № 1. – With. 102-112.
4. Regional environmental problems in transboundary pools of the rivers Ural Mountains and Irtys / J.I.Vinokurov, A.A.Chibilyov, B.A.Krasnojaraova, V.M.Pavlejkichik, S. G.Platonova, Zh.T.Sivohip //Izv. The Russian Academy of Sciences. Sulfurs. geogr. – 2010. - № 3. – With. 95-104.
5. Chibilyov, And. A «the Volga pool: on a way to a sustainable development» (Tolyatti: Cassandra, 2009. – 478 with.) / A.A.Chibilyov, G.S.Rosenberg, Zh.T.Sivohip//use and protection of natural resources in Russia. – 2010. - № 6. – with. 105-106. – Rets. On «The Volga pool: on a way to a sustainable development» / G.S.Rosenberg. - Tolyatti: Cassandra, 2009. – 478 with.
6. Jakovlev I.G. Territorial differentiation of geoenvironmental problems of the Orenburg region / I. G.Jakovlev, A.A.Chibilyov / Problems of regional ecology. – 2010. - № 1. – with. 9-15.
7. Klimentyev, A. I. Erosive degradation of chernozems of Southern Ural Mountains / A.I.Klimentyev, I. V.Lozhkin, E. V.Pavlejkichik//Vestn.SUO. – 2009 -materials of IV conference «Problems of ecology of Southern Ural Mountains». – part II: existential features of the structurally functional organization of ecosystems and a problem of development of territories. – with. 271-274.
8. Mjachina K. V. Estimation of transformation of landscapes of oil and gas extraction areas of Orenburg Priuralja on the basis of application of statistical methods / K. V., S.A.Dubrovsky// The bulletin of the Tyumen university. – 2009. - № 3. – With. 58-65.
9. Rudneva, O.S.Rol of social and economic and geocological factors in formation of health of the population rosijsko-Kazakhstan's areas of border / O.S.Rudneva, A.A.Sokolov// The bulletin of the Orenburg university. –№ 10, 2009. - with. 687-689.
10. Chibilyov, A. A. A natural heritage of Russia: integration into system of especially protected natural territories and development prospect / A.A.Chibilyov, V.M.Pavlejkichik//the Bulletin of Academy of Sciences of Republic Bashkortostan. – 2009. - № 4. - with. 65-68.

Scientific keywords	<input checked="" type="checkbox"/> Preservati on of the environment	<input checked="" type="checkbox"/> Nature-anthropogenu s risks	<input checked="" type="checkbox"/> Biodiversity	<input checked="" type="checkbox"/> Sustainable development	<input checked="" type="checkbox"/> Social and economic development
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Participation in EU's Framework Programme projects <i>(please include information about no more than 3 projects, the most relevant ones)</i>	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
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Participation in other European programmes projects <i>(please include information about no more than 3 projects, the most relevant ones)</i>	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
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Participation in relevant Russian projects <i>(please include information about no more than 3 projects, the most relevant ones)</i>	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
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If yes:		
Project(s) description	Title	Modern changes of environment and ecological risks in steppe regions Zavolzha and Ural Mountains
	Acronym	
	Duration	3 years
	Web-site	
	Reference to the FP7 theme “Environment”	6.1 Climate Change, pollution and risks
Project brief description	The project is directed on the decision of the fundamental tasks connected with a complex estimation of a crisis ecological situation, developed in steppe regions, revealing of structure and laws of development of unstable both dynamical natural complexes and determination of activity of geodynamic processes that will allow to reduce risks of wildlife management to prove necessity of development of schemes of territorial planning and the concept of steady geocological development of seven-arid regions.	



E-URAL “European Union and Russia link for S&T co-operation in the area of the Environment”

	Activities performed	<input checked="" type="checkbox"/> Research and Technological Development <input type="checkbox"/> Demonstration	<input type="checkbox"/> Management <input type="checkbox"/> Coordination	<input type="checkbox"/> Training <input type="checkbox"/> Support
<i>Please specify:</i>				
Project(s) description	Title	Semiarid landscapes and biotat the Zavolzhsko-Ural’s subregion: modern transformation and problems of steady wildlife management		
	Acronym			
	Duration	2 years		
	Web-site			
	Reference to the FP7 theme “Environment”	6.4 Earth observation and assessment tools for sustainable development		
	Project brief description	The most important and objective indicators (quantitative parameters) degrees Erosion region chernozems come to light: losses of a humus, general nitrogen, number and a railroad train of mesofauna, an energy potential, water-physical properties. Sandy’s landscapes landshaftno-ecological researches are conducted in river basins of r.Samara and an average watercourse Ural Mountains. Are analyzed a current state of reservoirs of the Uralo-Caspian region. Complete inventory of a fish fauna of the given region including pool of Ural Mountains, the bottom Volga, Volgo-Ural’s zone and pools of Emba, Irgiza, Turgaja is conducted. Works on inventory of steppe biogeocenoses of the Zavolzhsko-Ural region are conducted.		
	Activities performed	<input checked="" type="checkbox"/> Research and Technological Development <input type="checkbox"/> Demonstration	<input type="checkbox"/> Management <input type="checkbox"/> Coordination	<input type="checkbox"/> Training <input type="checkbox"/> Support
<i>Please specify:</i>				
Project(s) description	Title	Estimation of an ecological condition of the transboundary river Ural Mountains in connection with drain adjustment. Ecological risks in transboundary pools of the rivers: problems of interstate and inter-regional cooperation		
	Acronym			
	Duration	2 years		
	Web-site			
	Reference to the FP7 theme “Environment”	6.2 Sustainable management of resources		
	Project brief description	The ecologo-hydrological features of the river Ural Mountains determining difficult ecological conditions within the Uralo-Caspian transboundary pool are analyzed. Consequences of adjustment of a drain taking into account ecologo-geographical features of a hydrographic network are estimated. The factors determining development of ecological risks in transboundary pools of the rivers, based on accounting of landscape -hydrological features of pool and features of modern wildlife management in region are analyzed.		
	Activities performed	<input checked="" type="checkbox"/> Research and Technological Development <input type="checkbox"/> Demonstration	<input type="checkbox"/> Management <input type="checkbox"/> Coordination	<input type="checkbox"/> Training <input type="checkbox"/> Support
<i>Please specify:</i>				
Description of other previous and present experience in International Cooperation (max. 10 lines) 1. The agreement on the international scientific and pedagogical cooperation between Institute of steppe of the Ural Branch of the Russian Academy of Sciences and the West Kazakhstan engineering-technological university (Uralsk) for 2006-2011 5. The agreement on the international scientific and pedagogical cooperation between Institute of steppe of the Ural Branch of the Russian Academy of Sciences and Kokshetausky state university of Shokana Ualihanova (Kokshetau), for 2008-2012 6. The agreement on the international scientific and pedagogical cooperation between Institute of steppe UrO of the Russian Academy of Sciences and the Euroasian national university of L.N.Gumilev (Astana) for 2009-2013 7. The association agreement in the field of the higher, after high school science and education between Institute of steppe UrO of the Russian Academy of Sciences and the West Kazakhstan state university of M.Utemisova (Uralsk) for 2010-2014				

INTEREST IN FP7 OPEN CALLS

(if interested in several FP7 Environment theme calls
please copy and fill in the below table for each of them)

Call identifier*	FP7-ENV-2011
Topic(s) number*	(FP7-ENV-2011 call) ENV.2011.1.3.2-2: Vulnerability and increased drought risk in Europe (FP7-ENV-2011 call) ENV.2011.1.3.4-1: Capacity building in natural hazards risks reduction (FP7-ENV-2011 call) ENV.2011.2.1.2-1: Hydromorphology and ecological objectives of WFD



E-URAL “European Union and Russia link for S&T co-operation in the area of the Environment”

	(FP7-ENV-2011 call) ENV.2011.2.1.4-2: Behaviour of ecosystems, thresholds and tipping points (FP7-ENV-2011 call) ENV.2011.2.1.4-3: Improved comprehension of the utility of the concepts of value of biodiversity (FP7-ENV-2011 call) ENV.2011.4.2.3-2: Sustainable Consumption and Production at the heart of green growth		
Call Deadline*			
Role in the project*	<input type="checkbox"/> Coordinator <input type="checkbox"/> Partner		
Type of suggested activities*	<input checked="" type="checkbox"/> RTD <input type="checkbox"/> Demonstration	<input checked="" type="checkbox"/> Training <input type="checkbox"/> Coordination	<input checked="" type="checkbox"/> Support <input type="checkbox"/> Management
Project proposal (for coordinators)/Expertise offered (for partners)* (max 500 words):			
<p>At Institute of steppe UrO of the Russian Academy of Sciences fundamental bases the doctrine about steppe– the interdisciplinary field of knowledge, directed on studying of laws of functioning of dynamics of steppe landscapes are during the last years formulated. The steppe institute as unique not only in the Russian Federation, but also on all post-Soviet territory center of science of studying of steppes in the long term can offer real scenarios of change of environment in a steppe belt of Eurasia. These scenarios are necessary for considering at development of strategy of a sustainable development of steppe and forest-steppe agricultural regions of Russia. Taking into account geopolitical position of the Orenburg region in immediate prospects necessity of studying Russian-Kazakhstan Frontier territory as transboundary geographical space will increase more and more, the application role the reservoir areas wildlife management principles will increase. On the basis of Institute developments it is supposed to receive following scientific results: – the justification of optimum structure of the landscape-ground fund providing economical wildlife management and an equilibrium condition of ecosystems; – development of bases of new land management of the steppe and forest-steppe regions based on introduction of the concept of a nature -ecological skeleton; – introduction of new forms of the protected natural territories, based on integration of objects of a natural heritage into social and economic development of region; – the justification of programs of ecological rehabilitation of the ground grounds broken oil and gas extraction in the western areas of Ural Mountains and mining developments in mountain and east areas of Ural Mountains; – the justification of creation and development of euroregion of frontier cooperation on the scale of the transboundary river basin Ural Mountains covering 3 subjects of the Russian Federation and 3 areas of Republic Kazakhstan. As priority directions of applied scientific researches (the next 15 years), the steppe Institute considers creation of an information database for provision of Strategy of territorial development of Southern Ural Mountains, a steppe zone of Russia. As a principal product of applied researches, the Institute offers creation of regional nature-resource Atlases of strategy of territorial development. Taking into account nature-economic specificity of region the next years design developments can already become rather actual: – on ecological rehabilitation mining and landscapes of oil and gas crafts and their returning in agrarian use; – on development of pasturable animal industries and the horse breeding providing economic land tenure; – project development on restoration of sturgeon herd of a river basin Ural Mountains, which else in 70-80 years of last century had not only national, but also world value.</p>			