

Gate2RuBIN – Enterprise Europe Network Correspondence
Center in Russia

Discover the Russian Innovation Cooperation Potential

Brokerage Meeting Catalogue

Introduction

This Catalogue is produced for Gate2RuBIN Brokerage meeting on October 29, 2009 in Moscow. It includes descriptions of business and technological directions where participants (representatives of 6 European EEN partners and 27 Gate2RuBIN regional partners) are looking for partnerships/cooperation. This Catalogue will be disseminated among participants in advance.

In the Catalogue the participants are listed in alphabetic order, according to the name of the center (1-24 – Russian centers, Gate2RuBIN regional partners, 25-31 – European centers, Enterprise Europe Network partners).

Gate2RuBIN Project Coordination Team hopes that Catalogue will help participants to be more informed about opportunities for collaborations and increase efficiency of work during brokerage meeting.

List of the Russian Centers – Gate2RuBIN regional partners

	Aerospace	Agriculture	Agrofood Industry	Biotechnology	Clean technologies	Electronics, Microelectronics	Environmental Protection	Energy, Energy Storage / Transport / Saving	Food	Fuels (including biofuels)	ICT	Industrial Manufacture	Materials Technology and new Production	Medicine, Health	Nanotechnologies and Nanosciences	Safety	Security	Transport	Waste Management	Other Technology
1. Astrakhan Correspondence Center		X	X				X								X					
2. Innovation Centre Koltsovo		X		X					X				X							
3. Institute of Socio-Economic Development of Territories of RAS					X			X				X							X	
4. International Union of Instrument and ITT Engineers											X		X				X	X		
5. Irkutsk Correspondence Center												X								
6. Kaliningrad center of technology transfer		X	X	X				X	X	X										
7. Kemerovo Correspondence Center									X			X	X	X						
8. Kuban State University of Technology			X										X							X
9. Obninsk Centre for Science and Technology							X						X		X					
10. Omsk Correspondence Center				X																X
11. Republic of Khakasia Correspondence Center									X											X
12. Russian 7FP NCP Bio		X	X	X			X		X	X			X							
13. Russian Agency for Small and Medium Business Support						X		X												X
14. Saratov State Technical University		X			X								X		X					X
15. South-Ural innovative-technological centre					X		X	X							X					
16. St. Petersburg Foundation for SME Development						X					X	X	X							
17. Technopark Novosibirsk				X		X					X		X							
18. Tomsk State University of Control Systems and Radioelectronics						X					X	X	X							
19. Transfer Technology Ltd., Yekaterinburg											X		X	X	X					
20. TVN Center, St. Petersburg													X	X			X			

21. Ulyanovsk State Technicals University								X			X		X		X					
22. Ural Regional Transfer Technology Center											X	X	X		X					
23. Voronezh innovation technological center		X						X						X	X					
24. Zelenograd Innovation Technological Centre											X									

List of the European EEN partners

	Aerospace	Agriculture	Agrofood Industry	Biotechnology	Clean technologies	Electronics, Microelectronics	Environmental Protection	Energy, Energy Storage / Transport / Saving	Food	Fuels (including biofuels)	ICT	Industrial Manufacture	Materials Technology and new Production	Medicine, Health	Nanotechnologies and Nanosciences	Safety	Security	Transport	Waste Management	Other Technology
25. FORTH/ HELP-FORWARD/ PRAXI Network, Greece				X							X									X
26. Greater London Enterprise / London Innovation Network, UK	X			X				X			X									
27. Malta Enterprise, Malta						X			X		X		X							
28. METUTECH, Turkey						X					X						X			
29. Oseo, France	X		X	X		X	X	X	X		X	X	X	X	X					
30. Steinbeis-Europa-Zentrum, Germany													X							
31. TEKEL (Finnish Science Park Association), Finland											X	X		X						X

1. Astrakhan Correspondence Center / Gate2RuBIN regional partner

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Unique combination of favorable geopolitical location, developed economics, wellformed transport infrastructure, as well as availability of rich oil and gas fields makes our region one of the most interesting and promising Region of the Russian Federation.

Astrakhan has been traditionally taking high places in ratings of investment attractive Russian regions, it is renowned at international level, and is open for mutually beneficial cooperation with partners from all over the world. The region has experience of participation in large international projects. A lot of foreign countries operate here. Regional legislation is being improved with due account for protecting investor rights.

Within recently the Astrakhan region has initiated a number of far-reaching projects related to the economic and international cooperation on the Caspian Sea. Nowadays one can state with good reason that the present day Astrakhan is the Caspian capital of Russia.

Major partners of the Astrakhan region in the EU are Italy, France, Netherlands, Germany, Lithuania, Poland and Finland.

Web-site for further information: <http://minec.astrobl.ru/>

Proposed technological areas for cooperation:

[Agriculture](#), [Agrofood Industry](#), [Environmental Protection \(including climate change\)](#), [Nanotechnologies and Nanosciences](#)

Details on directions for cooperation:

<p>Agriculture</p> <p>BCD/BBS profiles ID's:</p>	<p>According to the development strategy of Astrakhan region agriculture is one of the priorities and the best way to gain food security of the region. Astrakhan region has a great potential to develop this sector. But it requires not only new technologies, but also cooperation with countries with developed agriculture.</p> <p>Type of cooperation:</p> <ol style="list-style-type: none"> 1. exchange of knowledge 2. introduction of new technologies 3. research & development <p>Key players: Astrakhan Region Agricultural Credit Consumer Cooperative Society "Narodny Credit", Astrakhan Region Agricultural Supply-sale Cooperative Society "Astrakhansky Farmer"</p> <p>Strengths: these cooperative societies are major suppliers of agricultural products() in Russia, many years' experience in this sphere</p> <p>Type of cooperation sought:</p> <ol style="list-style-type: none"> 1. introduction of drip irrigation technologies 2. introduction of modern greenhouses 3. development of cooperative society network <p>Keywords: Irrigation technologies, greenhouses, network of cooperative societies.</p>
<p>Agrofood industry</p> <p>BCD/BBS profiles ID's:</p>	<p>Motivation: developing agriculture it is also necessary to develop agrofood industry for increasing the GDP and improving the livelihood of rural communities through the creation of new job opportunities .</p> <p>Type of cooperation:</p> <ol style="list-style-type: none"> 1. transfer of technologies

	<p>Joint-venture and reciprocal production</p> <p>Ltd company "Astrakhan EkoProduct", farm "A.D. Maryshev", Kamyzyak Canning Plant Strengths/weaknesses: outdated technologies; own primary products, available labour, possibilities of transportation</p> <p>project/ideas for cooperation: introduction of innovative technologies in agrofood industry, upgrading of production, joint ventures</p> <p>Type of cooperation sought:</p> <ol style="list-style-type: none"> 1. joint investment 2. transfer of technologies 3. experience exchange <p>Requirements to partners: wish to work in Russia, experience</p> <p>Keywords:</p>
<p>Nano-technology</p> <p>BCD/BBS profiles ID's:</p>	<p>In Astrakhan region nanotechnologies are being developed not long ago. There is a R&D Innovative industrial center "Technopark"(Industrial park) on the basis of Astrakhan State University. There you can find unique ideas with high qualitative and quantitative characteristics of products, reduced raw material and energy spending, which can be useful for shipbuilding and healthcare.</p> <p>Type of cooperation:</p> <ol style="list-style-type: none"> 1. experience exchange 2. joint participation in grant programs 3. joint ventures 4. joint investment/investment 5. joint scientific research/R&D <p>Key players: Regional Center of Nanotechnologies (Industrial park in Astrakhan State University)</p> <p>Strengths/weaknesses: scientists with great potential, many years' experience, but with insufficient financial means.</p> <p>Projects/ideas for cooperation: joint scientific research to make experimental setup for synthesis of carbon nanotubes, nanofiber and amorphous carbon.</p> <p>Type of cooperation sought:</p> <ol style="list-style-type: none"> 1. joint scientific research 2. joint venture 3. joint investment <p>Loyalty, ability and wish to finance, interest in scientific research</p> <p>Keywords: synthesis of carbon naotubes, amorphous carbon, nanotubes</p>
<p>Environmental protection</p> <p>BCD/BBS profiles ID's:</p>	<p>Volga delta is protected territory including into the list of UNESCO as Biosphere Reserve and must be secured. Due to climate change and resources extraction (oil & gas) there is a need in regular air, water and ground monitoring and in preservation/protection of biodiversity.</p> <p>Type of cooperation:</p> <ol style="list-style-type: none"> 1. joint scientific research 2. removal of existing biodiversity threats 3. financial assistance 4. joint participation in grant programs <p>Key players: Ecoresources, Astrakhan State Biospere Reserve, Industrial Park (Astrakhan State University)</p> <p>strengths/weaknesses: scientific potential, many years' experience, lack of financial assistance, lack of new technologies</p>

	<p>Ideas/project: preservation of sturgeons and protection of natural spawning grounds, recovery of valuable fishery (sturgeons, sheefish, sander), preservation of biodiversity</p> <p>Type of cooperation:</p> <ol style="list-style-type: none"> 1. joint scientific research 2. transfer of technologies 3. knowledge exchange 4. investment <p>Companies interested in preservation of biodiversity and ready to finance it.</p> <p>Keywords:</p>
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2. Innovation Centre Koltsovo / Gate2RuBIN regional partner

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Location: Koltsovo, Novosibirsk region, Russia.

The Science Town of Koltsovo is located near Novosibirsk, one of the largest Russian cities. The township-forming enterprise of Koltsovo is State Research Center of Virology and Biotechnology VECTOR, which is one of the leading research centers in Russia. Since 1997 VECTOR has been functioning as one of the two WHO collaborating centers for orthopoxvirus diagnosis and repositories for variola virus strains and DNA. VECTOR is involved in the implementation of the G-8 summit initiatives (St. Petersburg, 2006) in the field of avian influenza control.

Apart from VECTOR there are 24 small, medium and big biotechnological companies in the Science Town of Koltsovo. They manufacture the most advanced biotechnological products, such as new kinds of diagnostic test systems, antiviral vaccines, pharmaceuticals, microbiological drugs for veterinary, dietary supplements, healthy food products, cosmetics etc. Many companies work in cooperation with VECTOR and commercialize its developments.

The Science Town of Koltsovo has a well developed business infrastructure for support of innovations and their marketing both at Russian and international levels. This infrastructure includes a business-incubator for start-up companies and Innovation Center Koltsovo (ICK), a Gate2RuBIN member, working as a technology transfer and business consulting center. ICK has good experience in organization of Koltsovo companies participation in EEN brokerage events.

Successful achievements of the three stakeholders, VECTOR as a large research center, biotechnological companies that work in cooperation with VECTOR and business-innovation infrastructure, have resulted in launching the initiative of creating a Biotechnology Park in the Science Town of Koltsovo. This initiative is widely supported by the Governor of the Novosibirsk Region.

Web-site for further information: www.ick-rttn.ru

Proposed technological areas for cooperation:
[Agriculture](#), [Biotechnology](#), [Food](#), [Medicine](#), [Health](#)

Details on directions for cooperation:

<p>Agriculture</p> <p>BCD/BBS profiles ID's:</p> <p>-</p>	<p>The companies of the Science town of Koltsovo that work in this sector develop and produce feed additives for animals, immunoenzymatic diagnostic test systems and veterinary drugs.</p> <p>The company SibBioTest Ltd. has developed antiviral veterinary drug and immunoenzymatic test systems for diagnosis of animal infectious diseases. The drug is designed for treatment of a wide range of viral and bacterial diseases in livestock and</p>
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	<p>domestic animals. The field trials have proved that survival of chickens who received the medication was 100 percent compared to 80 percent of survival in the control group. At the same time the weight of chickens that received the medication increased by 75-80 g. within 3.5 weeks.</p> <p>The test systems are designed for diagnosis of leptospirosis, brucellosis, yersiniosis, listeriosis, toxocariasis, ascariasis in domestic animals and livestock. The company has developed its own original technology of antigen production. The sensitivity and specificity of diagnostic test-systems is 98 – 100 percent. The productivity of testing can be 5-10 times higher compared to traditional testing methods. The company is looking for partners (small and medium-sized biotechnology companies) for joint-manufacture of the products developed. A partner is expected to assist with the necessary trials, manufacturing equipment and marketing in EU.</p> <p>Keywords: Biology/Biotechnology, Microbiology, Agriculture, Veterinary Medicine</p>
<p>Biotechnology</p> <p>BCD/BBS profiles ID's: -</p>	<p>The company Biooil Ltd. has developed bioproducts for cleaning (remediation of) the soil and water areas from oil pollutants. The products are associates of bacteria, for whom oil is a source of nutrition and who can therefore function as oil destructors. In comparison to the analogues concentration of microorganisms in the bioproducts developed by Biooil Ltd. is 1000 times higher, which provides the following advantages:</p> <ol style="list-style-type: none"> 1. To clean 1 ha of territory it is enough to use just several grams of the bioproduct, while for analogues the necessary dosage is several kilograms. Due to this fact the bioproducts offered do not cause negative changes in local microbiological system of the territory / water area. 2. The bioproducts may be used at temperature starting from + 6 C and therefore may be used in Northern regions. 3. Application of the bioproducts offered does not require the use of personal protection equipment. <p>The company Biooil is looking for trade representatives for marketing and sales of the bioproducts in Europe.</p> <p>The company Aeroservice Ltd. develops and manufactures photocatalytic air-cleaners for deep and thorough purification of air from dust, aerosols, bacteria, viruses and molecular impurities. The products are designed for use in public places, such as restaurants or cafeterias, airports, railway stations, theaters, cinemas, factories, farms, etc. The air-cleaners offered combine effectively four types of filters. The polypropylene filter purifies air from coarse dust, the electrostatic filter works with fine dust and thin aerosols. The photocatalytic filter is designed for biological and molecular pollution control. This filter destructs pollutants into harmless mineral substances, water, and carbon dioxide. Finally, the adsorbitive filter prevents release of molecular pollutants in high concentrations.</p> <p>Use of photocatalytic air-cleaners in the restaurants, cafeteria, etc. reduces requirements to the productivity of ventilation systems, saving up to 70% of energy used on air heating and cooling. Use of the products in medical institutions reduces the risk of infection being spread through the air. Tion air-cleaners effectively eliminate tobacco smoke in smoking areas.</p> <p>The company is searching for customers and clients, dealers and distributors.</p> <p>Keywords: Biology/Biotechnology, Microbiology, Air Pollution/Treatment, Soil Pollution, Water Pollution/Treatment</p>
<p>Food</p> <p>BCD/BBS profiles ID's: -</p>	<p>The companies of the Science town of Koltsovo that work in this sector develop and produce healthy foods and dietary supplements, many of which are based on probiotics (bifido- and lactobacteria).</p> <p>The company Dia-Vesta has developed muesli bars with prebiotics and probiotics. A special technology of micro-encapsulation is applied to maintain viability of probiotics and to help them get into the colon through the acid barrier of the stomach while eating. The foods contain vitamins A, B1, B2, E, PP, C and microelements K, Ca, Mg, P, Fe, Mn, I, Se, Cr, Zn. The muesli bars are designed for prevention of dysbacteriosis. They are allowed for people with diabetes and recommended for everybody who keeps fit. The company is looking for a partner to establish joint manufacture of the muesli bars</p>

	<p>with prebiotics and probiotics. A partner should be a small or medium-sized company producing muesli or cereal bars. A partner is expected to provide technical assistance in manufacture of the muesli bars with prebiotics and probiotics and assistance in organization of sales in European countries.</p> <p>The company "Vector-BiAlgam" is one of the leading Russian producers of probiotic products for people, including dietary supplements, direct starter cultures and fermented dairy bio-products. The company applies a special technology of immobilization to extend the period of probiotic viability and protect them from acid destruction in the stomach. A specially selected range of effective probiotic producer strains is used in ratio that makes a great positive impact on human health. The company applies a system analysis and complex compounding formulation. Clinical studies have proved that the products normalize digestion, treat dysbacteriosis of intestinal tract, lower the blood sugar level and eliminate allergic reactions. The company has been awarded Mechnikov Gold Medals of Russian Academy of Natural Sciences for contribution into human health improvement.</p> <p>Vector-BiAlgam has 2 production buildings, the one is 7386 sq. m and the other is 1105 sq. m. All the technology structure, manufacturing facilities, engineering systems and quality control are GMP and ISO 9000 certified.</p> <p>Probiotic starter cultures produced by Vector-BiAlgam are used by 20 enterprises of dairy industry in Russia. Probiotic nutritional supplements and fermented dairy bio-products are sold almost in all regions of Russia, ranking the fourth position in sales volume.</p> <p>The company is interested in increasing its manufacturing capacities and therefore it is looking for partners in order to establish joint-manufacture of the products offered. A partner is also expected to assist with the necessary trials.</p> <p>Keywords: Nutrition and Health, Food Technology</p>
<p>Medicine, Health</p> <p>BCD/BBS profiles ID's:</p> <p>-</p>	<p>The companies of the Science town of Koltsovo that work in this sector develop and produce wide range of antiviral medicines for people, diagnostic test systems and natural cosmetics.</p> <p>The company ImDi has developed test systems based on protein immunochips for simultaneous diagnosis of up to 12 human infectious diseases such as urogenital infections, TORCH, transmissible infections (HIV, syphilis, hepatitis A, B, C), zoonotic infections and helminthoses. Analyses could be done at concentration of 5 ng / ml and up to 12 times faster depending on the number of infections to be diagnosed. A special method for immunochemical assay provides visual account of results. The use of the test systems based on protein immunochips does not require stationary equipment and wiring to energy sources and that is why they could be used at poorly equipped laboratories and in rural areas. In Russia manufacturing cost of the test systems offered is 2-3.5 times lower than manufacturing cost of immunoenzymatic test systems. The company is interested in partnership with producers of diagnostic test systems or equipment, biomedical laboratories or research organizations. If a partner is a company it is expected to provide technical and financial assistance in establishing joint manufacture of test systems based on immunochips. If a partner is a biomedical laboratory or research organization it is expected to provide quality control, further joint research, assistance in certification and trials.</p> <p>Keywords: Medicine, Human Health, Clinical Research, Trials, Diagnostics, Diagnosis In vitro Testing, Micro- and Nanotechnology related to Biological sciences</p>

3. Institution of Russian Academy of Science Institute of Socio-Economic Development of Territories of RAS / Gate2RuBIN regional partner

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The Vologda Oblast is one of the industrially developed regions of Russia. In terms of production of industrial goods per capita it takes the fourth place in Russia. In 2008 the oblast produced 16,5% of Russia's rolled metal, 16% of steel, 10,5% of mineral fertilizers, 23,5% of ball-bearings, 9% of plywood and 4% of linen fabric. The region has a good potential in the chemicals industry, timber processing and agricultural complexes, in the field of power-saving technologies and others. Vologda region and foreign countries co-operation is developing actively. The collaboration with regions of Sweden, Slovakia, Hungary, Austria and France is considered to be the most productive. Several cooperation agreements with European regions are signed and others are being prepared for. Strength: export specialization of industry; authorities' policy is focused on the stable development of all economic sectors of the region and standard of living increasing; regional enterprises are co-operating with different European organizations actively. Weakness: region economy monostructure, territory polarization – concentration of population, economical activity and income in the two biggest town of the region and its' suburban zones. The Vologda region is interested in science and technical collaboration with EU countries, because of its' export economy orientation. Products of the Vologda region enterprises are in demand in the EU countries. In turn The vologda region is the market for many European products. It is considered to be the basis for further collaboration.

Web-site for further information: <http://www.vsc.ac.ru>

Proposed technological areas for cooperation:

Clean Technologies, Energy, Energy Storage / Transport / Saving, Industrial Manufacture, Waste management

Details on directions for cooperation:

<p>Clean technologies</p> <p>BCD/BBS profiles ID's:</p>	<p>The cooperation is necessary because there is a need: to bring technologies to the level of a product and to sale it on the international markets; to finance R&D, to train personnel.</p> <p>Key teams: Alexandra Plus Ltd. Strength: more than 20 inventions in the field of ultrasonic technologies, experience in the cooperation with European countries, Russian leading and foreign enterprises supply with ultrasonic equipment.</p> <p>Weakness: no experience in the intellectual property rights execution on the international level.</p> <p>Projects for cooperation:</p> <p>1. Reagentless water disinfection in a single light and acoustic field. Type of cooperation: Joint Venture agreement, Commercial agreement with technical assistance (Assembly, Engineering, Technical consultancy, Maintenance, Quality control). Requirements to partners: technologies application, promotion of the technology on international markets.</p> <p>2. The ultrasonic tool for local areas' cleaning of different products. Type of cooperation: Commercial agreement with technical assistance (Engineering, Technical consultancy, Quality control), joint filing of an FP7 application. Requirements to partners: promotion of the technology on international markets.</p> <p>Keywords: Cleaning Technology, Physics of Fluids, Vibration and Acoustic engineering, Microbiology, Water Pollution / Treatment</p>
<p>Energy,</p>	<p>The cooperation is necessary because there is a need: to bring technologies to the level</p>

<p>Energy Storage / Transport / Saving</p> <p>BCD/BBS profiles ID's:</p>	<p>of a product and to sale it on the international markets; to finance R&D, to train personnel.</p> <p>Key teams: Vologda State Technical University, "Perspective power-saving technologies" Co Ltd. Strength: Large theoretical and methodological experience is accumulated, personnel of the required qualification availability, and also patents and designs. Weakness: Lack of technical and laboratorial base for desings' testing.</p> <p>Projects for cooperation:</p> <ol style="list-style-type: none"> 1. DC electric power generation device (Fuel cell). Type of cooperation: Technical co-operation: (Joint further development, Testing of new applications, Adaptation to specific needs), Joint Venture agreement, Commercial agreement with technical assistance. Requirements to partners: allocation of the technical base for desings' tests. 2. Express analysis of machines, tools and processes energy efficiency. Type of cooperation: Commercial agreement with technical assistance (Engineering, Technical consultancy, Quality control). Requirements to partners: need of expertize provizion, equipment express-analysis with the purpose of energy intensity decreasing. 3. Hybrid drive for city vehicles. Type of cooperation: Joint Venture agreement. Requirements to partners: availability of the ready hybrid drive managing means. <p>Keywords: Rational use of energy, Energy management, Road Transport, Hybrid and Electric Vehicles, Shipbuilding, Storage of electricity, batteries, Generators, electric engines and power converters, Semiconductors, Storage of electricity, batteries, Generators, electric engines and power converters, Fuel Technology</p>
<p>Industrial Manufacture</p> <p>BCD/BBS profiles ID's:</p>	<p>The cooperation is necessary because there is a need: to bring technologies to the level of a product and to sale it on the international markets; to finance R&D, to train personnel.</p> <p>Key teams: Vologda Optical-and-Mechanical Plant. Strength: availability of the industrial base, combined equipment, experienced designers, technologists, experience of cooperation with European countries. Weakness: necessity to speed up the development and production of the innovative products.</p> <p>Projects for cooperation:</p> <p>Developing and production of optoelectronic devices and complexes for different purposes. Type of cooperation: Technical co-operation (Joint further development, Testing of new applications), joint filing of an FP7 application. Requirements to partners: participation in the joint development, production, research and test of optoelectronic devices and complexes.</p> <p>Keywords: Optical Materials, Optics</p>
<p>Waste Management</p> <p>BCD/BBS profiles ID's:</p>	<p>The cooperation is necessary because there is a need: to bring technologies to the level of a product and to sale it on the international markets; to finance R&D, to train personnel.</p> <p>Key teams: "CherepovetsDomStroi" Co Ltd. Strength: personnel high qualification level, presence of innovative designs. Weakness: no experience in the intellectual property rights execution on the international level.</p> <p>Projects for cooperation:</p> <p>Domestic solid wastes utilization technology for construction materials and other goods production. Type of cooperation: Technical co-operation (Joint further development, Adaptation to specific needs), Joint Venture agreement, Manufacturing agreement (Transfer of knowledge in new raw materials, Change in the partner sought's currently used technologies (installations, process, facilities), Absolutely novel process), Commercial agreement with technical assistance. Type of partner sought: Construction materials, components, chemical reagents production company. Requirements to partners: placing of orders for enterprises' wastes utilization. Joint construction of building materials and chemical reagents production plant.</p>

Keywords: Waste Management, Ecology, Environment, Recycling, Recovery
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4. International Union of Instrument and ITT Engineers / Gate2RuBIN regional partner

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Moscow, as the central region of the Russian Federation and a major political, economic, financial and scientific center, concentrates the largest number of innovative small and medium enterprises, scientific and educational institutions, state and public organizations and funds open to potential cooperation with European partners. Many leading and largest international companies are registered and have representatives working in Moscow. Combining advantages of the largest industrial and innovation centers, Moscow is considered one of the most dynamically developing cities in Europe and the world. As the factors restricting further growth of the region's potential shall be mentioned insufficient development of business infrastructure, transport problems, and high costs of business projects. These problems demand new innovative solutions, and one of the key roles here plays cooperation with foreign partners. At the same time, the activities of IUIITTE do not cover only Moscow and Moscow region. Close attention is paid to cooperation with St.-Petersburg, Samara, Voronezh, Nizhniy Novgorod, Khanty-Mansiysk, Yekaterinburg, Tomsk, Rostov and other regions.

Web-site for further information: www.e-expo.ru

Proposed technological areas for cooperation:

[Information and communication technologies](#), [Medicine](#), [Health](#), [Security](#), [Transport](#)

Details on directions for cooperation:

<p>Information and communication technologies</p> <p>BCD/BBS profiles ID's: 09 RU 86FG 3D49, 09 RU 86FG 3D4B, 09 RU 86FG 3E89, 09 RU 86FG 3EFR, 09 RU 86FG 3EFS, 09 RU 86FG 3EH1</p>	<p>Proposed ideas for cooperation in the field of information and communication technologies relate to the problems of automation of different applied tasks. The proposals include:</p> <ul style="list-style-type: none"> - technologies for keyword search in live speech streams and speech databases; - intelligent text-to-speech technologies; - instrumental geoinformation software modeling solutions based on computer modeling of virtual and combined reality and imported geo-data; - system of applications for processing, analysis and storage of unstructured documents; - solutions for automated processing of unstructured text files on natural languages with extraction of required objects and analysis of their correlations; - SOHO (Small Office – Home Office) class solutions for automated acquisition and processing of information contained in visiting cards as well as other personal information; - software system for search and analysis of similar documents based on the original method of correlation indexing of textual and graphic information; - wireless motion capture system based on the IEEE 802.15.4 standard for wireless transmission and inertial sensors; - technological platform for rapid creation of information and analytical systems (IAS); - universal ultra-wideband (UWB) transceiver platform for indoor wireless communications. <p>Partners for joint further development of technologies and their adaptation to specific needs are sought.</p>
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	<p>Keywords: Archivistics/Documentation/Technical Documentation, Artificial Intelligence (AI), Computer Software, Databases, Database Management, Data Mining, Speech Processing/Technology, GIS Geographical Information Systems, CRM - Customer relationship Management, ICM – Internet Content Management, Information Filtering, Semantics, Statistics, Visualisation, Virtual Reality</p>
<p>Medicine, Health</p> <p>BCD/BBS profiles ID's:</p>	<p>In the field of medicine and health two main directions for cooperation are proposed. To the first direction belong technologies and applied solutions for telemedicine and remote health care. To the second direction belong information technologies for rehabilitation of patients with motion problems. Partners are sought for further development of the solutions and adaptation to customer needs.</p> <p>Keywords: Applications for Health, Care and Health Services, Diagnostics, Diagnosis</p>
<p>Security</p> <p>BCD/BBS profiles ID's: 09 RU 86FG 3EH0, 09 RU 86FG 3EGX</p>	<p>In the field of security technological base for construction of surveillance and control systems is proposed, as well as complete solutions for automated access control, object detection and recognition. The proposals include:</p> <ul style="list-style-type: none"> - information access control technology based on biometric speech verification; - unified recognition & analytical system of computer vision; - universal embedded hardware-software platform for building automation systems, security and fire-alarm monitoring, localization, telemedicine, logistics and other monitoring systems. <p>Partners are sought for joint development of applied solutions with the use of proposed technologies.</p> <p>Keywords: Imaging, Image Processing, Pattern Recognition, Monitoring, Surveillance</p>
<p>Transport</p> <p>BCD/BBS profiles ID's: 09 RU 86FG 3EGV, 09 RU 86FG 3E85</p>	<p>Proposed ideas for cooperation in the field of transport include the following:</p> <ul style="list-style-type: none"> - solutions for fleet management and location control of corporate and private motor transport; - multi-agent platform and technologies for adaptive real-time scheduling and optimization solutions. <p>Partners for joint further development and adaptation to European market are sought.</p> <p>Keywords: Applications for Transport and Logistics, Logistics, Traffic Engineering/Control Systems</p>

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Location: Irkutsk, Irkutsk Region, Russia.

The Irkutsk region is one of the most unique regions in Siberia and the Far East. The region has no equal in the riches and diversity of natural resources represented on its territory. High energy, research/educational and certainly resource potentialities of the Irkutsk region make it a very attractive area for investing; dynamic development and growth of industrial production contribute to a favorable climate for domestic and foreign investors. It is one of not numerous regions in Russia, which has all kinds of own fuel and energy resources: over 7% of All-Russian coal reserves, the same amount of crude oil and fuel gas, 10% of water and power potential. A large-scale electric power network represented by a

cascade of hydroelectric power stations on the River Angara is capable to generate up to 75 billion kWh of electricity with technical-economic indices being the best in the country. Inexpensive electricity allows enterprises to make products competitive on world market. An advantage of favorable geographic location is strengthened by the availability of a developed transport infrastructure: the Trans-Siberian and Baikal-Amur Railways linking The Irkutsk region with the European part of Russia and Asia-Pacific countries, two airport terminals and a developed motor road network. No wonder that the combination of these factors enabled to create high industrial potentialities in the region. Russia's largest complexes are based there: fuel and energy, mining, wood, petrochemical. One of the major tasks for the Irkutsk region is attraction of investments and encouragement of investors carrying out technical re-equipment, reconstruction and building of new processing capacities. The Irkutsk region now has all the prerequisites for the achieving a serious economic growth.

Web-site for further information: www.euroinfo.irbp.ru

Proposed technological areas for cooperation:

[Industrial Manufacture](#)

Details on directions for cooperation:

<p>Industrial Manufacture (machine-building industry)</p> <p>BCD/BBS profiles ID's: 20090305029; 20090401035</p>	<p>Machine-building complex of the Irkutsk region has a diversified structure of its member companies and embrace 73 large and medium-sized enterprises divided into four types of economic activities: fabricated metal products manufacturing, machinery production; electrical, electronic and optical equipment manufacturing; vehicles and transport equipment manufacturing. The share of machine-building complex climbed 16,6 percentage points in the total industrial production in money terms. Despite the increasing demand on the local market, Irkutsk companies need to strengthen economic cooperation with the European countries in order to promote their products on the global high-tech markets. JSC "Enerprom" and JSC "Enerpred" are the largest hydraulic tools and equipment manufacturers in Russia and CIS. For the years of operation, enterprises have managed to gain valuable experience in this field. The strengths of the enterprises are developed design, production and customer services, as well as the effective quality control system. Enterprises present a wide range of products. In the future, companies are going to improve their production activities and the quality of its products up to the global standards.</p> <p>Keywords: hydraulic tools, equipment</p>
<p>Industrial Manufacture (timber industry)</p> <p>BCD/BBS profiles ID's: 20090316039</p>	<p>The forest estate of the Irkutsk region totals 9.1 billion cubic km. The Irkutsk region takes the 3rd place among other Russian regions by the area of forest cover and the 2nd place by the size of its industrial timber base. The estimated timber production in the region is 52.7 million cubic meters of lumber per year. Irkutsk region timber industry is represented by logging, woodworking, pulp and paper industry. Development of the wood complex is one more priority line of our industrial policy. The regional Government policy is now directed to round wood exporting reduction and thorough timber processing initiating. One of the major tasks is attraction of investment and encouragement of investors carrying out technical re-equipment, reconstruction and building of new integrated wood mechanical conversion and chemical processing capacities. There are a lot of small and medium-sized enterprises operating in the regional timber industry complex. NB company specialized in glued beam house-building and saw timber production. The strengths of the company are: high quality of the products, significant market experience since 1995, high-qualified staff working for the company. The company has a well-known name on the regional market and always try to offer a good quality/price ratio to the clients. There are further directions for the company development. The company is looking to sales market expansion, competitive positions strengthening and production quality increase.</p> <p>Keywords: timber, glue beam, woodworking</p>
<p>Industrial Manufacture (chemical)</p>	<p>The Irkutsk Region is one the unique Russian Natural Areas in terms of mineral reserves. Chemical industry is the most important economy sector of the Irkutsk region. It has a share of 13% in the regional industrial output. The Irkutsk region chemical</p>

industry) BCD/BBS profiles ID's:	industry includes refining and petrochemical, chemical, microbiological and medical industry, etc. Chemical industry is one of the main economy branches, it plays a vital and city-forming role in the region. The industry development is facilitated by the raw materials availability. There are salt, noncoking coal, wood (wastes), oil delivered from Western Siberia as well as electricity and construction industries. Presently, the increase in the number of small companies was observed. These companies develop and produce competitive products and intend to enter the foreign markets. Company "Biozashita" is one of the dynamically growing enterprises implemented innovative technologies into the production. The strengths include working experience, deep knowledge in this field of activity and high-skilled specialists. Certificates confirm the high quality of the products. The perspective directions for the company development are: creation of profitable dynamically developing plant with own scientific laboratory; development of product line for different building materials (brick, concrete, metal, wood); creation of dealer system for distribution in other regions. Keywords: chemical, oil
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6. Kaliningrad center of technology transfer / Gate2RuBIN regional partner

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Location: Kaliningrad, Kaliningrad region, Russia.

The Kaliningrad regional economy is characterised by a high degree of diversification, in the region there are no industries or clusters that would exclusively define the major economic development trends. On the one hand, this is a sign of sustainability of the economic system and (indirectly) points to a very efficient layer of medium and small businesses. On the other hand, in the face of rising competition in the Baltic region, the absence of major industries and service sectors reduces the possibility of a macro-regional position and determining their own profile which would attract the neighbouring economic environment. The Kaliningrad region's gross regional product over the past few years demonstrates a high growth rate of the regional economy. Development of the innovative sector, power economy, transport and logistics, tourism, agriculture and food industries are defined as priorities for the Kaliningrad Regional Government's economic policy for the next few years. The key factor in the institutional and legal environment of the regional economy is the presence in the region of special economic conditions due to the mechanisms of special economic zones. On 1 April 2006 the federal law of 10.01.2006 № 16-FZ "On the Special Economic Zone in Kaliningrad Region and Amendment of some Legislative Acts of the Russian Federation" came into force to ensure a favourable investment climate and the development of capital-intensive and export-oriented industries. The SEZ residents are provided with a special procedure for the payment of profit tax and property tax, the first six years at a rate of 0%, from the years 7 to 12 at a rate of 50% of the rate established in the Russian Federation for the next period.

Web-site for further information: ctt39.ru, investinkaliningrad.ru

Proposed technological areas for cooperation:

[Agriculture](#), [Agrofood Industry](#), [Biotechnology](#), [Energy](#), [Energy Storage / Transport / Saving](#), [Food](#), [Fuels \(including biofuels\)](#)

Details on directions for cooperation:

Food, Agriculture and Biotechnology	1. Biotechnology of biologically active substances (BAS) and biologically active additives (BAA) from the underutilized source of raw materials of Baltic region. Market: Pharmaceutical/cosmetics and alternative energy. Current R&D Stage: Available for demonstration – field tested. Collaboration Type: Joint further development, Adaptation
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<p>BCD/BBS profiles ID's: -</p>	<p>to specific needs, Technical consultancy. Task to be performed: Cooperation in the context of practical activities of commercialization of technology offer.</p> <p>2. Technology and the device for heat- and electric generation of energy from biomass waste. Market: Alternative energy. Collaboration Type: Joint further development, Engineering Task to be performed: Development of co-design to the manufacture of experimental samples of plants for processing of the bio waste.</p> <p>3. Optimized cultivation technologies of the most important crops of the regions with sod-podzolic and polder soil. Market: Agriculture. Current R&D Stage: Proven advanced technology. Collaboration Type: Commercial agreement with technical assistance, Joint development, Subcontracting & Co-contracting. Task to be performed: Joint activities in the implementation of technologies.</p> <p>4. Electronic Systems of Agricultural Marketing. Market: Food, marketing. Collaboration Type: Joint Venture agreement, Technical consultancy. Task to be performed: technical advice during the launch of the e-market</p> <p>Keywords: biotechnology, fermentolys, biomass waste, pyrolysis, food, agriculture, optimization, farming, marketing, database</p>
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7. Kemerovo Correspondence Center / Gate2RuBIN regional partner

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Location: Kemerovo, Kemerovo region, Russia.

Kemerovo Region lies in the South-East of Western Siberia. Geographically, the region lies in-between Moscow and Vladivostok cities. Kemerovo Region occupies 4 percent of Western Siberia territory and 0,56 percent of the whole territory of Russia. It covers about 500 km from North to South, and about 300 km from West to East.

Kemerovo Region borders upon five regions of the Russian Federation.

The main treasures of Kemerovo Region are hard coal. Kuzbass coals are unique in quality. They contain almost all process ranks and groups: from brown coal to anthracites.

The second the most developed industry in Kemerovo region is metallurgy: ferrous and non-ferrous (alumni industry).

Gross regional product of the Kemerovo Region (hereinafter – GRP) is 11.520 billion dollars.

The main “industrial” contribution to the region’s GRP is made by the plants that conduct such types of economic activities as mining operations, manufacturing activity.

Food industry also plays great role for the region's economy, though the Kemerovo Region is not characteristic of developed agricultural sector.

The Kuzbass energy system is one of the largest ones in the country. The Kemerovo Region energy system includes 8 thermal power plants and 2 isolated generating plants.

Matters of priority in mid-term perspective are:

1. Development of coal chemistry;
2. Extraction of gas methane from coal bed.

Kemerovo Region is the most densely populated region of the Siberian federal district. . The largest cities are: Novokuznetsk – 561 thousand people, Kemerovo – 520 thousand people, Prokopyevsk – 214 thousand people.

In the higher education system, there are 41 state higher schools in the region.

Annual foreign trade turnover in the Kemerovo Region is appr. 7.1 billion dollars.

Kemerovo Region enterprises and organizations carry out export operations with 66 countries of near-abroad and far-abroad countries.

Web-site for further information: www.ako.ru

Proposed technological areas for cooperation:

[Food, Industrial Manufacture, Medicine, Health, Nanotechnologies and Nanosciences](#)

Details on directions for cooperation:

<p>Medicine, Biotechnology, Health</p> <p>BCD/BBS profiles ID's: 20090902012; 20090902010; 20090306019; 20090319031</p>	<p>Key players: Kemerovo cardiological center, Kemerovo State Medical Academy (KemSMA), State institute of doctors' skills improvement (SIDI), Institute of human ecology (Siberian filial of Russian Academy of Science), Co. Ltd. "Neokor", Co. Ltd. "Kameron", Co. Ltd. "Firm "LENA", Co. Ltd. "SibTech".</p> <p>Strength: presence of experienced scientists and specialists; formed scientific institutions.</p> <p>Weaknesses: weak material - technical base for realization of scientific researching and results estimation; absence of specialists of narrow profiles.</p> <p>The cooperation is needed, because: There is significant quantity of patented scientific developments with confirmed Russian and world scientific newness. There is a necessity of services of European researching laboratories such as researching and certification.</p> <p>Type of cooperation: creation of joint scientific-researching consortiums and joint ventures.</p> <p>Keywords: Environmental Medicine, Social Medicine; Medical Technology/Biomedical Engineering; Biochemistry/Biophysics</p>
<p>Food, functional food products</p> <p>BCD/BBS profiles ID's: 20090306019; 20090518002</p>	<p>Kemerovo Technologic Institute of food production (KemTIFP), Institute of human ecology (Siberian filial of Russian Academy of Science), Kemerovo State Medical Academy (KemSMA), Co. Ltd. "Firm "LENA", Co. Ltd. "DT", Co. Ltd. "Vemma", Co. Ltd. "SibTech".</p> <p>Strength: presence of experienced scientists and specialists; formed scientific institutions; availability of adjusted production in food sphere (pilot and serial production).</p> <p>Weaknesses: weak material - technical base for realization of scientific researching and results estimation; absence of specialists of narrow profiles.</p> <p>The cooperation is needed, because: There is significant quantity of patented scientific developments with confirmed Russian and world scientific newness. There is a necessity of services of European researching laboratories such as researching and certification.</p> <p>Type of cooperation: creation of joint scientific-researching consortiums and joint ventures.</p> <p>Keywords: Food Additives/Ingredients/Functional Food</p>
<p>Nano-technology, Nano-materials</p> <p>BCD/BBS profiles ID's:</p>	<p>Institute of solid body chemistry and mechanochemistry (Siberian filial of Russian Academy of Science), Kemerovo State University (KemSU), State institute of doctors' skills improvement (SIDI), Co. Ltd. "NPK NPM-Kemerovo", Co.Ltd. ISPC "Innotech", Co.Ltd. "Seva".</p> <p>Strength: presence of experienced scientists and specialists (incl. corresponding member of Russian Academy of Science); formed scientific institutions; availability of pilot production; experience in international products certification.</p> <p>Weaknesses: weak material - technical base for realization of scientific researching and results estimation.</p> <p>The cooperation is needed, because: There is significant quantity of patented scientific developments with confirmed Russian and world scientific newness. There is a necessity of services of European researching laboratories such as researching and certification.</p> <p>Type of cooperation: creation of joint scientific-researching consortiums and joint ventures.</p> <p>Keywords: nanotechnologies, nanomaterials</p>

<p>Industrial production, new materials, recycling industrial waste</p> <p>BCD/BBS profiles ID's: 20090925015; 20091020027; 20091020017; 20090319031.</p>	<p>Institute of human ecology (Siberian filial of Russian Academy of Science), Siberian State Industrial University (SibSIU), Kuzbass State Technical University (KuzSTU), Co.Ltd. "Regional environment Center", Co. Ltd. "SibTech", Co. Ltd. "Seva"</p> <p>Strength: presence of experienced scientists and specialists; formed scientific institutions; availability of pilot and adjusted serial productions, experience in international products certification. Presence of different raw kinds - waste of industrial production.</p> <p>Weaknesses: weak material - technical base for realization of scientific researching and results estimation; absence of effective technologies of recycling some kinds of industrial waste.</p> <p>The cooperation is needed, because: There is significant quantity of patented scientific developments with confirmed Russian and world scientific newness. There is a necessity of services of European researching laboratories such as researching and certification.</p> <p>Type of cooperation: creation of joint scientific-researching consortiums and joint ventures.</p> <p>Keywords: Recycling, Recovery; Iron and Steel, Steelworks; Forest technology</p>
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8. Kuban State University of Technology / Gate2RuBIN regional partner

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Location: Krasnodar, Krasnodar region, Russia.

The basis of the industrial structure of the Krasnodar Region is made of the industrial, construction, fuel and energy complexes, the area of the information and communication technologies, as well as the agroindustrial, transport, resort-recreational and tourist complexes. A dynamic development of the agroindustrial complex of the Krasnodar Region provides a food security of the country. The transport complex provides implementation of the foreign policy and economic interests of Russia in the zone of the Black Sea and Mediterranean economic cooperation, making a significant input in the increase of "coherency" of the country's territory. The unique for Russia natural and climatic conditions of the region, availability of the leading medical establishments and technologies, historical places of interest create a potential for development of a highly effective, competitive tourist and recreational complex of an international level, building a positive image of the country at the international arena and providing the growing needs of the population in the services connected with rest, treatment and tourism. The region enters the top seven Russian regions with the lowest investment risks and holds the second place in the rating of Russian regions classified by a legislative activity in the sphere of investments. Thus, the region has a powerful potential of a preceding development, determining the possibilities of growth of its input into implementation of tasks cooperation between Russia and Europe.

Web-site for further information: <http://krasnodar.ru/en/content/565/show/14753/>

Proposed technological areas for cooperation:

[Agrofood Industry](#), [Materials Technology](#) and [new Production Technologies](#), [Other Technology \(Construction\)](#)

Details on directions for cooperation:

<p>Construction</p> <p>BCD/BBS profiles ID's: KUBU 316471 (only in RTTN database)</p>	<p>Russian partners in this sector are represented by the innovative construction company, which constructs buildings with its own rapid erection technique of low rise apartment buildings which surpass traditional brick buildings in their structural performance. The use of modern techniques enables realizing any architectural design, while the application of modern heat insulating materials enables reducing energy consumption of the buildings. The company experts work in close contact with the research group of Kuban State University of Technology Civil Construction department, which enables successful application of innovative techniques in the construction.</p> <p>The desirable forms of cooperation with European companies are as follows: License agreement; further joint development; customized assemblage, development and production; technological consultancy; funding.</p> <p>The proposals in this sector are presented by the profile: KUBU 316471 Technology for fast construction of low-rise houses with combined frame made of fire-safe and environmentally friendly materials.</p> <p>Keywords: Industrial Manufacture, Construction Technology, Building Materials, Components and Methods</p>
<p>Agrofood industry</p> <p>BCD/BBS profiles ID's:</p>	<p>Food technology sector is represented by the group of small size innovative enterprises set up by the scientific workers of Kuban State University of Technology, which provides high scientific and technical level on the projects suggested. All the projects are characterized by original engineering decision. The techniques suggested were successfully applied in Russian enterprises.</p> <p>The desirable forms of cooperation with European companies are as follows: License agreement; further joint development; customized development and production; technological consultancy; funding.</p> <p>Key words: Agriculture Machinery / Technology, Horticulture, Technologies for the food industry, Nutrition and Health</p> <p>The proposals in this sector are presented by the following profiles:</p> <p>1. KUBU 314284 Universal Machines for Washing All Kinds of Vegetables, Fruit and Root Crops</p> <p>The brand new machine designed enables highly effective washing with simultaneous polishing vegetables, fruit and root crops. At the same time it eliminates even the slightest damaging fruit or their skin. Microbiologic contamination is reported to be reduces 100 times.</p> <p>2. KUBU 313724 Technology of producing bactericidal and biodegradable packaging materials</p> <p>The new generation of packing materials, bio-degradable in the soil, enables solving the problem of environment contamination with non-recyclable waste products. The important feature of the new packing material is its ability to degrade in the soil fast due to effect of the soil microorganisms. The use of the new packing material enables increasing food product storage life by up to 50%</p> <p>Keywords: Agriculture Machinery / Technology, Horticulture, Technologies for the food industry, Nutrition and HeaPackaging / Handling, Foil, fils, Packaging for materials, Plastic bags, Materials Technology, Composite materials, Plastics, Polymers, Properties of Materials, Corrosion/Degradation, Single Use Products and Consumer Goods, Biology / Biotechnology, Micro- and Nanotechnology related to Biological sciences</p>
<p>Materials Technology</p> <p>BCD/BBS profiles ID's:</p>	<p>The material technology sector is represented by innovative enterprises set up by both the Kuban State University of Technology scientist and outside partners. The leading scientists of the both teams have long experience of the work on the range of problems dealing with the projects suggested. The theoretical research was conducted and the prototypes were created in all the spheres of the sector. The designs presented surpass all the known analogs in many characteristics.</p> <p>The desirable forms of cooperation with European companies are as follows: License agreement; further joint development; customized assemblage, development and production; technological consultancy; funding.</p> <p>1. KUBU 314126 High Pressure Fuel Pump for Common Rail Type Storage Cell Fuel</p>

	<p>Systems</p> <p>2.KUBU 313724 Technology of producing bactericidal and biodegradable packaging materials The desirable forms of cooperation with European companies are as follows: License agreement; further joint development; customized development and production; technological consultancy; funding. The pumps suggested are characterized by the original design of piston drive mechanism, high pressure force stage design and the principle of controlling injected fuel pressure. The application of the pumps suggested will enable considerable efficiency rise and reducing fuel consumption, exhaust gases toxicity and fuel equipment costs. Key words: Traction/Propulsion Systems</p> <p>3.KUBU 314995 Technology for controlling dispersiveness of micro- and nanopowders in the course of continuous solid phase synthesis of oxide materials The tasks of solid-phase synthesis continuity, synthesized material dispersibility on micro and nano levels have been solved for the first time. The technique suggested enables reducing routine cycle time, enhancing powder homogeneity, activating oxides reactivity.</p> <p>Keywords: Nanotechnologies related to electronics and microelectronics, Micro- and Nanotechnology related to physical and exact sciences</p>
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9. Obninsk Centre for Science and Technology / Gate2RuBIN regional partner

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Location: Obninsk, Kaluga region, Russia.

Kaluga region is located in the Central Federal District, to the South-West from Moscow. The region has a range of competitive advantages such as:

- Hi-developed R&D and education sector
- Favorable investment climate and comfortable environment for business
- Low investment risks

Public research sector incorporates 31 R&D centers and Universities, including 3 State Research Centers. Today, Kaluga region holds a leading position among the Central Federal District in the R&D sector in the following areas:

- Environmental protection and monitoring technologies
- Advanced materials, including nano-, polymer, composite, ceramic and glass materials
- Medicine, new medical techniques and pharmaceuticals

Kaluga region is an area of hi-tech business activity. More than 100 innovative SMEs work successfully in Obninsk and Kaluga cities. Kaluga region has highly developed innovation infrastructure (business incubators, technoparks, technology transfer center etc.)

Web-site for further information: www.admoblkaluga.ru

Proposed technological areas for cooperation:

[Environmental Protection \(including climate change\)](#), [Materials Technology and new Production Technologies](#), [Nanotechnologies and Nanosciences](#)

Details on directions for cooperation:

Environmental protection	1. SME from Kaluga region (Obninsk) designed and produced highly effective and productive aerosol filters. Aerosol filters provide reliable environmental and industrial
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<p>BCD/BBS profiles ID's: RITC 315568, RITC 315569 (only in RTTN database)</p>	<p>premises protection and prevent the radioactive and toxic aerosols emissions into an atmosphere. SME looks for partners such as: - Nuclear and thermal power plants. - Industrial enterprises of radiochemical and chemical branch. - Industrial enterprises on recycling radioactive waste for technical co-operation and commercial agreement with technical assistance.</p> <p>2. Small innovative company from Obninsk carries out development and a batch production of the microwave installations for decontamination of infected medical and other biological waste. The microwave method guarantees high reliability, profitability and ecological safety of process of decontamination of infected materials of a various origin. Developers search for partners for technical cooperation and the conclusion of commercial agreements with technical assistance.</p> <p>Keywords: 010002001 Air Pollution / treatment; 010001005 Radiation Protection; 010002 Environment, 001001006 High Frequency Technology, Microwaves; 010002003 Ecology; 010003 Waste Management</p>
<p>Materials Technology and New Production Technology</p> <p>BCD/BBS profiles ID's: RITC 316817 (only in RTTN database)</p>	<p>The small enterprise in cooperation with a leading scientific centre of Obninsk has developed technology of coating strengthening nanocomposite covers on cutting tools. Coating of a cover allows to increase (up to 10 - 30 times) service life of the tool. SME looks for partners - the industrial enterprises for the conclusion of license agreements and introductions of technology into production. The potential partners are manufacturers of the wide range of cutting tools, the enterprises using the tools in technological process (polygraphy, mechanical engineering, a manufacturing industry) The adoption of the technology, allows to increase service life of the products (tools etc.)</p> <p>Keywords: 002007005 Composite materials, 002002014 Surface treatment (painting, galvano, polishing, CVD, PVD), 002006011 Vacuum / High Vacuum Technology</p>
<p>Nano-technologies and nanosciences</p> <p>BCD/BBS profiles ID's: RITC 315572, RITC 313955 (only in RTTN database)</p>	<p>1. R&D Center from Obninsk designed and tested a new technology of synthesis of oxy hydroxide aluminium (aerogel AlOOH) with fibrous nanostructure. Aerogel AlOOH is synthesized with application of the new original method, selective operated oxidation water the ferry of the aluminium dissolved in melt of gallium (lead, bismuth, etc.). Using the ultraporous nanostructured aerogel as technological additives it is possible to create materials with improved physical and chemical properties (structure, porosity, density, etc.) In comparison with traditional methods of aerogels synthesis, new liquid metal technology is safe, environmental friendly and has low energy consumption. Developers search for partners (industrial enterprises - manufacturers of functional materials (ceramics, silicone rubbers, building, heat-insulated materials etc. or research centers) for the joint further development and testing new applications of technology.</p> <p>2.The R&D center from Obninsk designed the production methods of filterelements on the basis of nanostructured membranes on the porous polyethylene or ceramic substrate. Filterelements are used for highly effective water treating and various technical liquids at the enterprises of the food and chemical industry. Developers search for partners for joint further development and joint venture agreement.</p> <p>Keywords: 003004 Chemical Technology and Engineering;003004002 Anorganic Substances; 005009001 Filtration and Membrane Processes ;010002009 Water Pollution / Treatment</p>

10. Omsk Correspondence Center / Gate2RuBIN regional partner

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Location: Omsk, Omsk Region, Russia.

Subject: Russia, Omsk Region

Administrative center: Omsk (the area of the Omsk city is 567 sq. km)

Population: 2014,1 thousand people

The Omsk Region occupies the area of 141,100 square kilometers (0,8% of the whole territory of the Russian Federation). Cultivated land covers 48%, forests cover 33%, ploughed fields — 30%, other land — 18%, lakes and rivers — 1%.

International Relations

According to the data of 2008 foreign trade turnover of the region is 1432,7 mln. USD.

Export - 645,3 mln.USD

Import - 787,4 mln. USD

Foreign-trade operations were implemented with partners from 79 countries. 59,3 % of total foreign trade turnover is cooperation with CIS countries. Among the top ten countries-partners there are Republic of Kazakhstan, Kirgizia, Uzbekistan, Ukraine, China, Germany, Canada, Hungary and Slovakia.

The exported production includes: chemical industry production — 71,4%, provisions and agricultural raw materials — 9,4%, cars, equipment and transport facilities — 9,5%, metal and metal products — 5,1%, fuel and energy products — 1,7%, other -2,9%.

In the Omsk Region was imported the following production: cars, equipment and transport facilities — 48,5%, provisions and agricultural raw materials —22,9%, fuel and energy products — 12,2%, metal and metal products — 6,9%, chemical industry production — 6,2%, other - 3,3%.

Investment Activity

Interest to the Omsk Region is revealed by investors both from CIS countries (Kazakhstan, Ukraine, Kirgizia, Uzbekistan, Byelorussia, Azerbaijan, Tajikistan) and far abroad countries (Cyprus, the USA, Slovakia, Austria, Germany, Canada, Switzerland).

During a number of years Omsk demonstrates good national measure that is an important factor influencing the investment attractiveness along with availability of necessary natural resources, advantageous location, developed infrastructure and clear normative and legal base.

Web-site for further information: <http://www.een-northeast.co.uk/eu-russia>

Proposed technological areas for cooperation:

Biotechnology, Timber Industry, Manufacturing and Metal Processing

Details on directions for cooperation:

<p>Timber Industry</p> <p>BCD/BBS profiles ID's: 20090506026, 20090618020</p>	<p>Forestry potential of the Omsk Region is a real basis for efficient development and functioning of enterprises in forest and timber industry. The total area of forest land is 5923.3 thousand hectares or 41.9% of the total area of the territory of the region. The main coniferous species are: pine, spruce, fir, larch, cedar. Among the hardwoods dominate: birch, aspen, linden, poplar. Approved annual volume of timber intended for felling amounts 12.4 million cubic meters, of which coniferous species - 1 million cubic meters.</p> <p>Most of the companies of the Omsk Region engaged in production of timber are interested in search of trade intermediary services or final buyers, as the volumes of production are rather high. Some of them are searching for partners for joint venture creation and reciprocal production aimed at increasing of production volume and production improvement through applying new technologies.</p> <p>There are following companies of the sector in BCD:</p> <p>1. EKORT DOM, Ltd</p>
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	<p>Russian company active in manufacturing and supplying of ecological wooden houses and other constructions made of round logs is looking for trade intermediary services (agent, representative, distributor) or final consumers.</p> <p>2. Ecodrev, Ltd</p> <p>Russian company active in manufacturing of wooden briquettes and pellets is looking for reciprocal production, joint venture creation and investor in order to penetrate and expand into the global market.</p> <p>Reciprocal production will be possible if a partner delivers equipment or through investment.</p> <p>Ecodrev is searching for the partner for implementation of the project for production of fuel briquettes using forest processing waste in workmen's settlement Tevriz, Omsk region.</p> <p>with volume of production amounting to 10000 tons per year.</p> <p>The main goals of the project are, on the one hand, introduction of wood waste into the energy balance, on the other hand, improvement of the ecological situation in the region. Project strategy is that using almost free raw materials we get products for export. Wooden briquettes received on auger compression line are possessed of, in particular, high heating value, little residual ash content and meet all European standards of wooden briquettes.</p> <p>Keywords: ecological wooden houses, wooden briquettes</p>
<p>Biotechnology</p> <p>BCD/BBS profiles ID's: 20090317012</p>	<p>Natural resources of the region are closely associated with the history of relief forming and represented by hundreds of peat, sapropel, clay and rare soils depositions. Geological exploration of Omsk region continues, but its natural recourses allow to establish mutually advantageous collaboration with Russian and overseas partners just now.</p> <p>At present the project on creation of biotechnological complex in the Omsk Region is in progress.</p> <p>Company of the present sector:</p> <p>1. Scientific and Production closely held joint-stock company "Vega-2000 – Siberian Organics"</p> <p>Russian company is pleased to perform a range of products, made on a base of unique non-polluting natural raw material - peat and sapropel. This raw material is extracted from fresh-water lakes of the Omsk region, situated in the southern part of West Siberian valley. Its total area is 140.000 sq. km.</p> <p>The company is looking for trade intermediary services, joint venture creation, research and technological development activity and co-production. It offers the following products based on sapropel: sapropel as raw material, organic and mineral fertilizers, fodder sapropel, biologically active preparation for animals – sapropel extract, sapropel tar and sorbents for oil and oil based products collection. Sapropel extraction, production and sales of products made on its base intended for petrochemistry, agriculture and medicine.</p> <p>Keywords: sapropel</p>
<p>Manufacturing and Metal Processing</p> <p>BCD/BBS profiles ID's: 20090218035, 20081210005, 20090630100</p>	<p>Industrial engineering organizations have significant scientific and production potential. The basic types of production are launch vehicles, spacecrafts, planes, aircraft engines and their parts, cryogenic technology, radio centers and radio communication complexes, radio relay complexes, complexes and equipment for automation of processes, measuring equipment for energy systems, medical equipment, transport facilities, railway equipment, equipment for farming and residential use.</p> <p>In BCD were placed the following companies of the sector:</p> <p>1. PTP ERA – 1, Ltd (Production and Technical Enterprise)</p> <p>Russian company active in development and production of the lease automatic custody transfer units (systems for measurement of volume and quality level of oil and oil products) is looking for joint venture creation aimed at further development of data processing devices and systems for oil industry.</p>

	<p>2. Dolphin, Ltd Russian company engaged in lathe and other kind of metal processing using machine units with automatic program control and universal tools, manufacturing details according to contractor's drawings offers trade intermediary services, production and outsourcing activity. At the disposal of the company there are lathe tools with automatic program control, milling, drilling and other metal processing equipment. At the present moment the company is ready to cooperate with companies that need metal processing services for serial and small-batch production of details on the basis of developed drawings.</p> <p>3. Siberian Devices and Systems, OJSC Russian company active in production and maintenance of electromechanical and electronic devices, several types of actuators for attitude determination and control systems and spacecraft control systems; production of test and control equipment and non-standard ground-based equipment for development tests of attitude determination and control devices and systems as a whole, is interested in franchise cooperation, joint venture creation in the field of mechanotronics, reciprocal production, joint research and technological development activity.</p> <p>Keywords: data processing devices and systems, oil industry; metal processing, electromechanical and electronic devices</p>
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11. Republic of Khakasia Correspondence Center / Gate2RuBIN regional partner

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Location: Republic of Khakasia, Russia.

Region of the RF: Republic of Khakasia

Year of foundation: 1991

Administrative centre: Abakan

Area: 61,9 thousand square km.

Population: 538,0 thousand people.

Republic of Khakasia is located in the southwestern part of Eastern Siberia of Russia.

Bowels of Khakasia are rich with minerals. Here are proven and mined deposits of iron, molybdenum, gold, coal, barite, bentonite, and jeweler's semi-precious stones and facing stones etc. Khakasia has practically all kinds of water object. Forests of Khakasia borrow 48,4 % of region.

The base of the Khakass industry: non-ferrous metallurgy, electrical power engineering, extractive industry.

Foreign economic relations

- In 2008 export-import transactions were realized by 69 enterprises and 39 entrepreneurs.
- Export cost turnover of subjects of foreign economic activity of the Republic of Khakasia is 2175,2 million USD (2008).

Export was realized in 46 countries. Leading trade partners – USA, Japan, Turkey, the Netherlands, the Republic of Korea, Taiwan, Bulgaria, Poland and Ukraine.

In 2008 the base of export is the following goods: Aluminum and goods of it 83,7%, Coal 9,4%, Ferromolybdenum 5,8% .

- The worth of import volume in 2008 was 777,8 million USD.

In 2008 goods were imported from 31 countries. 99,5% of total volume of import operations were provided by trade with Ukraine, Australia, China, Finland, Germany, Kazakhstan, Italy, Poland, Japan. The base of import over a period of 2008 was the following goods: Alumina 80,7%, Equipment, electrical products 7,96%, Coke 7,63%, Foodstuffs 1,4%.

Investment activity

In the Republic of Khakasia mechanisms and instruments of investment activity realization are formed and applied on the base of principles of state private partners' relations. Such mechanisms are Investment and Deposit Funds of the republic. Over a period of the first six months of 2008 investments of enterprises into fixed capital are more than 4,2 billion rubles.

Web-site for further information: <http://www.rhlider.ru/> - Government of the Republic of Khakasia

Proposed technological areas for cooperation:

Food, Other Technologies (Light Industry, Tourism)

Details on directions for cooperation:

<p>Food</p> <p>BCD/BBS profiles ID's:</p>	<p>Production of foodstuffs is one of the most emerging branches of industry in the Republic of Khakasia. In 2008 its share made up 6% of industrial production. The growth of production volume in food industry is the result of increase in production output of macaroni, confectionery, meat products, brewing production.</p> <p>The volume of private investments is also increasing; these investments are directed to quality improvement and expansion of range of products of food industry. Production of nonalcoholic beverages increases, it has grown up to 8,9%, mineral water – 14,9%, production of cooked meats increased by 20,2%, production of bread and bakery products increased by 19,9%.</p> <p>Representative of food sector: Tonkoshkurenko Igor Prokhorovich - Sole proprietor Russian company specialised in manufacture and realization of confectionary offers a wide range of biscuits, wafers, zephyr, crisp candy and so on (www.sufle.ru). All production are of high quality, prepared by unique recipes of high-quality ingredients. Company is equipped with German and Russian modern equipment, has tight quality control of all stages of production process. This company has selling net in some regions of Russia and wants to present its products to foreign markets. Requested type of cooperation: trade intermediary services, selling of their production.</p> <p>Keywords: Confectionery</p>
<p>Light industry (shoe making and textile industry)</p> <p>BCD/BBS profiles ID's: 20090722027</p>	<p>Over the period of 2008 in textile and clothing manufacture, manufacture of leather, leather goods and shoe making there was increase in manufacture of quilts (33%), children's footwear (400%). But there was also cutting down of production of wool (23,1%), knitwork (46,8%), ready-made garments (29,5%) and footwear (40,1%). Enterprises of light industry of the Republic of Khakasia have good potential, modern equipment, but this sector is in need of new markets.</p> <p>Representatives of this sector which are looking for cooperation: 1. Shoe making, 2. Textile industry</p> <p>1. "SAYAN-OBUV", LTD. Russian company specialised in manufacture and realization of men's footwear of natural materials for all seasons. The company offers a wide choice of footwear of real leather and textile fabrics for all ages. Main advantages of the company:</p> <ul style="list-style-type: none"> - good traditions and advanced technologies; - control of all production stages of the production process; - footwear of high quality; - low price; - all products are certified. <p>The following types of cooperation are requested: trade Intermediary services, franchise.</p>

	<p>2. "TEKHPROMSERVIS", LTD. Russian company specialised in manufacture and realization of goods of natural fleece, such as blankets and plaids, quilts with stuff of 100% natural lamb wool. Company offers high quality products, use of natural and ecologically pure raw materials, obtainable prices. The following type of cooperation is requested: trade Intermediary services.</p> <p>Keywords: 1. Men's footwear of natural materials. 2. Goods of natural fleece (blankets, plaids)</p>
<p>Tourism</p> <p>BCD/BBS profiles ID's:</p>	<p>The territory of Khakasia by the right is considered to be «archeological Mecca» of Siberia. Here it is counted about 30 thousand monuments of ancient history: rock paintings, ruins of ancient cities, defensive installations, thousand ancient burial grounds and burial places. In region are founded 2 state wildlife preservations, 4 zoological reserves of republican importance. Here there are more than hundred monuments of conservancy which are unique objects of the nature. Picturesque landscapes, set of unique natural, historical, ethnographic objects promote development of tourism in various directions. They are both historical and cognitive tourism, and sanitary, and active tourism to which concern foot routes, rafting, hunting, speleological tourism.</p> <p>“ Abakan tourist complex “DRUZHBA”, Closed Joint – Stock Company Russian company specialized in the market of tourist services is looking for trade intermediaries and offers guests from different countries to visit picturesque places of the Republic of Khakasia. Being tour operator tourist complex renders services which are notable for high quality and professionalism. Company forms individual programs of tourists' service in various directions in Khakasia, Russia and abroad.</p> <p>Abakan tourist complex «Druzhba» offers following programs:</p> <ul style="list-style-type: none"> • The past and the present. Tagar culture and Scythian barrows. • «Khakasia - princess of Asia» - (in group) (the program includes unique representation of the shaman «The Ceremony of Clarification»), acquaintance to the Khakas national culture, tasting of the best dishes of national Khakas cuisine. This tour is unique opportunity to get acquainted with Khakasia and culture of Khakas people. • Excursions: «Suleksk writing» (a masterpiece of the fine arts of Tyuhyan culture epoch are Suleksk writing); «Salybsk barrow» - one of mysterious places - grandiose barrow of the «Tsars Valley» which has been built in 3-4 century a.c. • National - ethnic show • Sanatorium treatment <p>Hospitality, goodwill, kindness, high culture of service - here that distinguishes all services of the tourist complex.</p> <p>Keywords: tourist services, travel tour, excursions, ecotourism</p>

12. Russian FP7 National Contact Point on “Biotechnology, Agriculture, Forestry, Fisheries & Aquaculture and Food” / Gate2RuBIN regional partner

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Location: Moscow, Russia.

Russian National Contact Point on “Biotechnology, Agriculture, Forestry, Fisheries & Aquaculture and Food” in the 7-th Framework Programme of EC was established by the Ministry of Science and Education of the Russian Federation, the Order # 62 of 21 February 2007 (see Ref.

http://www.edu.ru/db/mo/Data/d_07/m62.html) for continuation of Food-NCP of Russian activity on TP “Food Quality & Safety” started in 2003 at the basis of Bakh Institute of Biochemistry RAS. Main objective of Bio-NCP of Russia is promoting of Russian science integration into European Research Area (ERA). The main task of Bio-NCP of Russia is collecting and dissemination of information about FP7 Programmes on activity in «FOOD-BIOTECHNOLOGY» Priorities to potential R&TD and SME specialists in Russia .

Recently, Bio-NCP of Russia was appointed by the Ministry of Education and Science of the Russian Federation to co-ordinate international cooperation in «Bio» sector in Russia .

The main activity of Bio-NCP of Russia is focus on:

- Provision of the information interface between Russian and European scientific communities, dissemination of information about EC research projects and programs; and
- Comprehensive organizational, informational, consultative and other actions for Russian scientific and research organizations willing to participate in international projects associated with food quality, food safety, and related problems.

Web-site for further information: www.fp7-bio.ru; <http://fp7-health.ru>

Proposed technological areas for cooperation:

[Agriculture, Agrofood Industry, Biotechnology, Environmental Protection \(including climate change\), Food, Fuels \(including biofuels\), Medicine, Health](#)

Details on directions for cooperation:

<p>Industrial Biotechnology</p> <p>BCD/BBS profiles ID's:</p>	<p>New Generation Industrial Enzymes The project with a budget of \$4.2 M for two years comprises 5 research teams and is headed by the Lomonosov Moscow State University, Department of Chemistry. The goal of the project is to develop new generation of industrial biocatalysts with improved properties for the use in paper, food, textile industries and agriculture.</p> <p>Bioplastics and Biobinders The project with a budget of \$4.2 M for two years comprises 15 research teams and is headed by the Bakh Institute of Biochemistry of RAS. Goal - to develop a range of biomedical devices based on biocompatible plastics, technologies for manufacturing wood composite materials employing environmental friendly biobinders and use of enzymes in polymer chemistry.</p> <p>Biocatalysis for Fine Organic Synthesis The project comprises two teams focusing on enzymes for fine organic synthesis and their application for obtaining chiral compounds. It is steered by the Lomonosov Moscow State University, Belozersky Institute of Physico-Chemical Biology and has a budget of \$0.35 M.</p> <p>The research consortia organised to develop integrated national projects in the field of industrial biotechnology and comprising leading Russian research institutions are the natural potential candidates for incorporation into FP7</p> <p>Keywords: biocatalys, enzymes</p>
<p>Bioremediation (environmental biotechnology)</p> <p>BCD/BBS profiles ID's:</p>	<p>Bioremediation of contaminated groundwater, soils and aquifers, marine oil spills Methods for bioremediation of heavy metals and radionuclides VOC abatement from air emissions</p> <p>Keywords: Bioremediation</p>
<p>Food for Life</p> <p>BCD/BBS</p>	<p>VISION STATEMENT Russia occupies an important place in the world food market, both as country-producer and as country-consumer. Russian Technological Platform «Food for Life» is</p>

profiles ID's:	<p>considered as a tool for realization of joint EU-Russia projects which takes care on the development of healthy food principles for benefit of Russia, EU and other countries, i.e.:</p> <ul style="list-style-type: none"> • integrates leading Russian institutions and experts in food manufacturing, food safety and healthy nutrition; • addresses to food science for development and implantation of joint novel technologies into practice; • attracts national funds and promotes organization of European support through the new tools provided by the 7-th framework programme of the European Community. <p>capabilities for EU partners:</p> <ul style="list-style-type: none"> • Dissemination of information about EC partners in Russia. • Provision of information about Russian scientific and technological potential. • Partner search in Russia. <p>capabilities for Russian partners:</p> <ul style="list-style-type: none"> • Assistance in preparation of informational materials about background and possibilities of Russian partners. • Submission of information about relevant calls/programs of EC. • Partner search within EC countries. • Consultation on different issues associated with preparation of joint projects. <p>INSTRUMENTS OF COOPERATION:</p> <ul style="list-style-type: none"> • Analysis of regional features of food manufacturing & consumption • Preparation and discussions of proposals for joint researches • Proposition of projects • Creation of systems for informational exchange <p>Keywords: food manufacturing, food safety and healthy nutrition</p>
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13. Russian Agency for Small and Medium Business Support

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Location: Moscow, Russia.

Moscow is the basic Russian industrial, commercial and financial center. All sectors of industry are presented here except for forestry and mining.

There are more than 1, 000 large and 13, 000 small industry companies in Moscow. It is the most developed region of Russia in respect of transport, communication and high technologies development. Moscow system of SME support is the most developed in Russia.

Web-site for further information:

Proposed technological areas for cooperation:

[Electronics, Microelectronics, Energy, Energy Storage / Transport / Saving, Waste management](#)

Details on directions for cooperation:

<p>Waste management</p> <p>BCD/BBS profiles ID's: 20090409052</p>	<p>Creation of industry of single stage recycling of used auto-tyre casing into rubber powder. Every year more than 110 000 tonnes of used auto-tyre casing of trucks in Moscow! Russian company specialized in production of the equipment for grinding of previously used 1600 mm automobile tires is looking for partners in EU countries for reciprocal production. The company provides with the unique, effective, mobile, low cost technology of high speed grinding, with minimum production space and absence of cooling agents. Unit capacity: 2000 tones of tires and 1500 tones of rubber powder per 1 year.</p>
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	Keywords: recycling of used auto-tyre casing into rubber powder
Energy BCD/BBS profiles ID's:	<p>Solar power battery construction (know how). Field of application: Private houses; Industrial enterprises. Russian scientists invented solar battery with output 50 – 80%. Usual solar battery output is about 18 – 24%. The cost of silicic (usual) solar battery is about 1000 US Dollars per 1 kilowatt. The cost of «new» solar battery is about 143 US Dollars per 1 kilowatt. The working life of «new» solar battery is about 25 years! The company is looking for investments and ready to set up manufacturing facilities in the territory of another state. «New» solar battery consists of SmS material and directly transforms solar energy into electricity. Such direct transformation is more effective due to the broad solar radiation spectrum. Such idea of transformation is experimentally approved and scientifically proved. To build that system it requires solving many engineering problems. Russian scientists offer useful model to start in manufacture.</p> <p>Keywords: Solar energy</p>
Electronics BCD/BBS profiles ID's: 20090717011	<p>A union of Russian companies specialized in development, manufacturing, modernization, selling and maintenance of special technological equipment offers trade intermediary services, offers reciprocal production. Company provides to foreign companies the following: Research laboratories; Design offices; Division on working out, installation and adjustment of electronic power units and managements; Area of assemblage, adjustment and tests of technological systems; Divisions of working out of the specialised software; The industrial sites, allowing to carry out: mechanical assembly works on assemblage of optical systems, systems of cooling, vacuum system. The company has several international scientific project with enterprises and laboratories from EU.</p> <p>Keywords: Electronics</p>

14. Saratov State Technical University / Gate2RuBIN regional partner

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Location: Saratov, Saratov region, Russia.

Saratov Region is located in the central part of Russia in the Volga Federal District. Region occupies 100,200 square kilometers, population more than 2,6 million people.

Industry area includes the following areas: Electronics, Machinery building, Building/Construction, Chemistry and petro-chemistry, Energy, Agriculture and Food processing, Quarrying, e.t.c.

Scientist&Education: 6 institutes of Russian Academy of Science, 21 research institutes, 12 universities, 2 academies

In the region there are technology transfer center at Saratov State Technical University, which is the regional center Russian Business Innovation Network, and project participant Gate2RuBIN.

The Center provides services to small and medium enterprises, research organizations and universities in the field of international cooperation.

The region has an innovative active enterprises, together with universities and research organizations are engaged in research using nanotechnology to create new composite materials, to develop agro-

technology, water treatment technology, hazardous waste technologies neytrolizatsii etc. These companies also organize mass production of products resulting from research.

Web-site for further information: <http://dni.sstu.ru/>

Proposed technological areas for cooperation:

Agriculture, Clean technologies, Materials Technology and new Production Technologies, Nanotechnologies and Nanosciences, Waste Management

Details on directions for cooperation:

<p>Waste management</p> <p>BCD/BBS profiles ID's: 08 RU 86FG 2RWP</p>	<p>We are looking for cooperation with European enterprices to prepare R&D project on development of new method of galvanic slurries (solutions obtained in nickel and chromium plating) neutralization and manufacturing of useful commercial products based thereof.</p> <p>Key player in this direction is a SE "Nanocomposite Ltd." (Saratov, Russia) producing a substance (potassium polytitanate) neutralizing acid galvanic solutions; reducing Cr(VI) in Cr(III) and absorbing Ni, Cr and Fe ions from the solutions obtained. The methods of different galvanic slurries neutralization are developed but not patented taking into account wide variation of chemical composition for such slurries. Such patenting could be relized in frame of the following R&D project.</p> <p>Potassium polytitanate as well as two processes to produce this substance are patented in Russia but not in EU. Potassium titanate producing by Russian enterprice has Russian certificate classified this substance and its derivatives as "low dangerous".</p> <p>This enterprice also presents the technologies to manufacture some original commercial products applying used potassium polytitanate adsorbents as raw materials (precursors), including lubricating materials, catalysts and ceramics for facing of the Al casting equipment.</p> <p>Companies producing up to 30 ton of nickel and/or cromium plating solutions per year are considering as best partners for colaboration. Russian enterprice has own pilot plant (capacity of 5 t of potassium polytitanate per year) and is interested in cooperation with any foreign company to realize this process in industrial scale.</p> <p>Keywords: Environment. Disposal and recycling of wastes. Materials technology. Ecology. Recycling, recovery.</p>
<p>Agriculture</p> <p>BCD/BBS profiles ID's:</p>	<p>Russian SMB from Saratov region offers the cooperative project to develop the technology on application of new high-performance nitric-phosphoric-potassium fertilizer containing complete composition adjustable set of useful chemical elements and providing control release of nutrients. Company is looking for the partners for carrying out tests in situ, preparing recommendations regarding developed fertilizer usage and following commercial cooperation.</p> <p>In order to determine the efficiency of developed fertilizers, to adjust their composition and compile recommendations regarding technology of their application for cultivation of different crops in various climatic conditions and on various types of soils it is necessary to carry out additional tests in situ in collaboration with experts specialized in agricultural chemistry and soil science.</p> <p>Key player in this direction is a SE "Nanocomposite Ltd." (Saratov, Russia) has results of some in situ tests obtained with maiz plants demonstrated high effectiveness of new fertilizer and reduced contamination of underground water by nitrates.</p> <p>The technologies of new fertilizer application have to be jointly developed taking into account the following variable factors: type of crop, type of soil, intensity of irrigation. It is proposed an intensive cooperation in modification of chemical composition of new complex fertilizer in accordance with detected influences of the abovementioned factors on effectiveness of basic fertilizer.</p> <p>The experiments have to be realized as control tests for individual plants farming in the pots and as full-scale tests prepared in the field allotments (in situ experiments). The compositions of new controled release fertilizer as well as processes of their mproducing are not patented in Russia and EU and it is proposed their patenting in frame of the joint project.</p>

	<p>The type of the partner looked for: Research-and-development center which can carry out in situ tests of developed fertilizers and can compile recommendations on their application in farming industry.</p> <p>The partner's sphere of activity: Plant cultivation, edaphology or agrochemistry.</p> <p>The partner's challenges: The evaluation of developed fertilizers efficiency for cultivation of different crops in various types of soils. Creating recommendations regarding their usage.</p> <p>Keywords: Agriculture. Plants cultivation. Controlled release fertilizer</p>
<p>Materials Technology and Production Technologies</p> <p>BCD/BBS profiles ID's: 08 RU 86FG 2RWL</p>	<p>Russian small enterprise (Saratov region) is looking for the partner to realize improving some exploitation properties and creating joint manufacturing of new high effective greases and lubricating materials. New solid lubricant (potassium polytitanate) is applied as antifriction and antiscuff component of greases characterized with similar structure and properties but much lower price and higher thermal resistance in comparison with MoS₂.</p> <p>The are some independent conclusions confirming very high tribologic properties of simple lubricating compositions based on potassium polytitanate in comparison with commercial analogs based on MoS₂. Nevertheless, the best trademarks of greases presented in the world market have some tribologic properties exceeding the properties of developed greases.</p> <p>The potassium polytitanate and process to produce this substance as well as its lubricating dispersion in oils are patented in Russia and are prepared for patenting in WO format.</p> <p>The RF certificate classified the potassium polytitanate as low danger product is obtained altogether with a permission to manufacture and sale this product in Russia. The idea of a joint project is to look for any way to improve some tribologic properties of Russian greases based on potassium polytitanate by any additional admixtures to obtain the product with the best characteristics and to occupy, with new products, some segments of EU market. Another option of collaboration is to develop and patent some new special lubricating materials in accordance with requirements of different consumers.</p> <p>Keywords: Materials Technology, Composite materials</p>
<p>Nano-technologies and Nanosciences, Clean technologies</p> <p>BCD/BBS profiles ID's: 09 RU 86FG 3EMT</p>	<p>SPE "LISSKON" LLC has a 14 year experience of working in water treating facilities market. Company experts are former employees of the leading military-industrial complex enterprises of Saratov. Total intellectual potential of the team is more than 100 of certificates of authorship and patents. Key focus areas of SPE "LISSKON":</p> <ul style="list-style-type: none"> - improved drinking water purification, primarily for socially significant facilities – schools, hospitals, children's holiday camps, and also for individual enterprises, rural settlements; - makeup water purification for boiler houses; - purification and regeneration of electroplating industry industrial effluents; - deep water purification for pharmaceuticals, microelectronics, food industry, engineering, agroindustrial complex and so on. <p>SPE "LISSKON" LLC is the unique enterprise in Saratov region which constantly carries out R&D for water treating facilities improving and creates brand new science-intensive solutions using nanotechnologies. Research on sorbents for cleaning is done in conjunction with SSTU.</p> <p>Every scientific research result is implemented in water purification system, thus ensuring the leading position in given area of activity.</p> <p>SPE "LISSKON" LLC is looking for foreign partners for the following purposes:</p> <ul style="list-style-type: none"> - organization of coproduction in order to promote new solutions abroad; - carrying out certification of cooperative production abroad; - patenting of cooperative production abroad; - presenting the joint project in European program FP-7. <p>Keywords: Viruses, virology / antibiotics / bacteriology. Microbiology. Water contamination/water treatment</p>

15. South-Ural innovative-technological centre / Gate2RuBIN regional partner

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Location: Chelyabinsk, Chelyabinsk Region, Russia.

Our region is famous of his industrial plants and metallurgical factories. The large part of Russian gross domestic product manufacturing in the region. That is the reason why lots of our innovative organizations specialize in research and development in the sphere of production and materials technologies. Also there is a necessity in integration of new energy and resource saving technologies in housing and communal services. Energy is one of the priority directions of innovative activity in Chelyabinsk. Our centre is the main company of regional technological cluster and the coordinator of innovative researches in the sphere of energy saving.

Web-site for further information: www.itcural.ru

Proposed technological areas for cooperation:

Clean technologies, Environmental Protection (including climate change), Energy, Energy Storage / Transport / Saving, Nanotechnologies and Nanosciences

Details on directions for cooperation:

<p>Nano-technologies</p> <p>BCD/BBS profiles ID's:</p>	<p>The offered technology is nanodiamonds of ozone modification (NDO). Nanodiamonds are universal structural modifier in different technological process such as rubber and polymer production, oil industry, medicine, electroplating. The advantages of the product: 1.Has the largest output of nanoparticles from a polydispersed powder; 2. Dispersing and fractioning conditions needed for the process are technologically easily achieved; 3.NDO is the most stable of the studied before products applied for liquid suspensions (water, alcohol, oils, organic solvents, and electrolytes). The team includes highly qualified specialists (top managers, marketing experts, scientists) working in the sphere of nanotechnologies for more than fifteen years. The company has an international experience in research and development. The enterprise seeks partners from different spheres of production: engineering industry, electroplating, rubber and polymer industry, medicine, production of nanoconstruction for further development, manufacturing, commercial and join-venture agreement.</p> <p>Keywords: 2.2.2. Coatings; 2.2.14. Surface treatment (painting, galvano, polishing, CVD, PVD); 2.7.5. Composite materials; 2.7.16. Rubber; 6.1.13. Medical Research</p>
<p>Environment</p> <p>BCD/BBS profiles ID's:</p>	<p>In Chelyabinsk region there are lots of industrial factories and plants which pollute the environment. During the last years we have a stable decreasing in quality of drinking water. The authorities of Chelyabinsk region accept the program of water purification for the future 2010-2020 years. According to the program it is going to be big investments in this field to solve the problem. That is why there is an essential need for the region to implements modern technologies for water purification. The company seeks innovative cleaning systems for drinking water, technologies for sewage treatment and water treatment. The enterprize is looking for European partners specializing in water purification for signing join-venture agreement or commercial agreement.</p> <p>Keywords: 10.2.4. Environmental Engineering/Technology; 10.2.9. Water Pollution/Treatment</p>
<p>Energy</p>	<p>In the region there is a good infrastructure for developing energy saving technologies. It</p>

<p>saving</p> <p>BCD/BBS profiles ID's:</p>	<p>represents by several united R&D companies. Also this union has a support of Chelyabinsk authorities. Our clients are interested in: program-technical complex for managing of power grids, heating systems, illumination systems. Complex must be built on the basis of intellectual devices: sensors, actuators, controllers with using of standards such as CAN, Profu Bus, Fild Bus. Sensors must take pressure, temperature, consumption measurement. Actuators provide managing of reverse and non-reverse drive with necessary protection. IT program must support programming languages such as FBD, IL. Chelyabinsk innovative companies seeks technologies in energy savings in the sphere of house and communal services and industrial production. One of the priorities of activity is also thermal protection for heat-transfer and heat saving in the building. There are possibilities of different kinds of cooperation: adaptation the technology to specific needs, signing joint-venture agreement or manufacturing agreement.</p> <p>Keywords: 1.2.15.Knowledge Management, Process Management; 1.2.20. Building Automation Software; 4.6.1.Energy management; 4.6.2. Lighting, illumination</p>
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16. St. Petersburg Foundation for SME Development / Gate2RuBIN regional partner

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Location: Saint-Petersburg, Russia.

St. Petersburg is the second largest city of Russia with the population of almost 4,6 million people (as for January 1, 2009) and a major industrial, scientific, cultural and tourist centre with developed infrastructure. St. Petersburg is also the centre of North-West Federal District.

Gross regional product of St. Petersburg (GRP) in 2008 comprises more than 1420 billion RUB making up a share of 39,8% in the total GRP of the North-Western Federal District. In the structure of economic activity the leading sectors are the following: wholesale and retail trade, repair of motor vehicles that have a share of 24,5% in the total volume of GRP and industrial manufacturing with the share of 20,8%. These sectors significantly exceed real estate activities, transportation and communication and construction that account for 13%, 12% and 7,7% respectively. The number of foreign and international companies that do their business in St. Petersburg keeps increasing.

Due to its geographical location St. Petersburg has historically developed as a gateway to Europe. The foreign trade of St. Petersburg which comprises 38,5 billion USD makes up a share of 6,6% in the total volume of Russian foreign trade . St. Petersburg and Leningrad oblast form a major trans-shipping point in Russia. It is estimated that around 20% of Russia's total volume of import-export and transit cargo flow, in terms of weight, is handled through the territory of the region.

St. Petersburg is a large educational and research hub. There are almost 100 universities which prepare high-qualified specialists for various spheres. The number of scientific institutions is more than 300, among which some are of federal significance.

Big scientific, industrial, logistic and market potential supported by high qualification of human resources and effective management systems makes St. Petersburg an attractive region in terms of doing business.

Web-site for further information: www.doingbusiness.ru

Proposed technological areas for cooperation:

[Electronics, Microelectronics, Information and communication technologies, Industrial Manufacture, Medicine, Health](#)

Details on directions for cooperation:

<p>Information and communication technologies</p> <p>BCD/BBS profiles ID's: -</p>	<p>The information technologies and telecommunications (ICT) sector is one of the most rapidly growing sectors in the economy. Approximately 25-30% of all the income from offshore programming in Russia is generated by St. Petersburg-based providers. Stable and diversified computer market has developed in St.Petersburg with its annual revenue, according to experts' estimates, exceeding 2,2 billion RUB.</p> <p>The leading area is elaboration and creation of local computer networks and manufacture of technics from ready-made components. The volume of domestic-made computers is only by 15% lower than that of imported computers.</p> <p>St. Petersburg has a large number of universities and institutes which produce IT and IT-related specialists. The number of engineers in software development who graduate every year is approximately 1 500 and the number of IT-related specialists who graduate is up to 12 000 per year.</p> <p>Due to the geography, St. Petersburg-based providers are slightly more focused on the nearby Scandinavian markets than providers in other regions of Russia. Other markets where local offshore programming firms are active include the USA, Germany, Switzerland, Belgium, Japan, Czech Republic, Italy, Canada, South Korea, Ireland and France.</p> <p>The number of Internet-users keeps growing. Around 100 Internet-providers are active in the market, such as Metrocom, Web-Plus, Golden Telecom etc. The companies aim to be present in all market segments providing not only Internet-access, but also telephone and data transfer services.</p> <p>In comparison with other Russian development centres, St. Petersburg has several advantages:</p> <ul style="list-style-type: none"> ▪ Firstly, it is a relatively low cost place/area. This is especially true vis-a-vis Moscow, where the salary of a software developer is at least 50 % higher than in St. Petersburg which results in higher end-prices for offshore development. ▪ Secondly, the domestic IT-industry does not yet impinge on human resources claimed by offshore programming providers. Offshore providers have a pre-emptive access to human resources and the opportunity to select the best candidates. ▪ The city infrastructure is more or less the same as it is in Moscow, but the prices are lower. <p>Keywords: Rapidly growing sector, human resources/qualified specialists, low cost area.</p>
<p>Industrial manufacture</p> <p>BCD/BBS profiles ID's: -</p>	<p>St.Petersburg is the largest industrial centre of North-Western Federal District having a share of more than 30% in the total volume of goods dispatched in the region.</p> <p>The industrial manufacturing sector accounts for almost 21% of St. Petersburg GRP and 20% of total employment. There are more than 700 large and medium-sized enterprises and 12,5 thousand small enterprises. In spite of the global economic crisis, the development of the sector remains stable: in 2008 Industrial Production Index equaled 104,1%, including 104,1% in the manufacturing industry. The total value of goods dispatched by the manufacturing industry comprised 696 billion RUB exceeding the level of the previous year by 22,4% (in current prices).</p> <p>In the structure of industrial manufacture (in terms of volume of dispatched goods) the leading branches are the following: food processing with the share of 33%, metal working (15%) and electric, electronic and optical equipment (13%).</p> <p>The manufacturing industry of St. Petersburg produces 100% of buses and turbine generators of NWFED; 90% of tractors; around 53% of machines for urban services; 60% of flour; 55% of confectionery; 33% of dairy; 64% of cigarettes.</p> <p>The industry of the city is characterized by significant share of science-intensive and hi-tech manufacturing, i.e. energetic machine building, shipbuilding, manufacture of tools, electronics and optics.</p> <p>The development of industrial manufacture through increase of production capacities and modernization of technological basis is an important component in the overall growth of economic efficiency and competitiveness.</p> <p>Keywords: Hi-tech manufacturing, shipbuilding, manufacture of tools, optics.</p>
<p>Electronics</p>	<p>Manufacture of electric, electronic and optical equipment makes up a share of 13% in</p>

<p>BCD/BBS profiles ID's: -</p>	<p>the structure of St. Petersburg manufacturing industry (in terms of dispatched goods volume) and almost 29% in the structure of mechanical engineering.</p> <p>Not only domestic players are active in the branch, but international companies as well: Elcoteq plant assembling electronic boards; Flextronics is preparing to launch a plant in St. Petersburg.</p> <p>St. Petersburg being a major research and development hub with more than 300 existing research and development institutions, the industry of the city has been historically focused at science-intensive manufacturing. St. Petersburg Government promotes cluster policy and fosters the creation of electronic cluster as well. This support is a big advantage for future development of the sector.</p> <p>The potential of international cooperation development in this sector is based on the following components: existing R&D and technological basis, presence of a big number of scientific institutions, high-qualified human resources, promotion of innovation policy, growing demand for the products.</p> <p>Keywords: Research and development, science-intensive manufacturing, innovation policy</p>
<p>Medicine BCD/BBS profiles ID's: -</p>	<p>The volume of medical services market in St. Petersburg (in terms of value) has been growing by 20% in the last three years and reached 28,4 billion RUB in 2008. The share of St. Petersburg in the total volume of Russian market comprises more than 6%.</p> <p>The players active in this sector can be divided into following groups: multi-profile clinics, dental clinics, gender and family clinics, diagnostic clinics, other specialized clinics, sanatorium institutions. There is an example of a successful joint company in the branch: Russian-Finnish "Scandinavia" clinic which is a part of international chain "Ava".</p> <p>One of the main goals of health services development in Russia in general and St. Petersburg in particular is the transfer to competitive and efficient system with the participation of medical organizations of all property types. Private medical institutions are present on the market, but their potential is not fully fulfilled yet, so market saturation has not reached its peak.</p> <p>St. Petersburg is the second biggest city of Russia, thus the number of potential consumers of medical services is high. Living standards and earnings of the population are increasing which means that people can pay more attention to their health, including demand for voluntary insurance policies. This factor can be a significant catalyst for sector development.</p> <p>Keywords: Successful joint companies, consumer demand</p>

17. TechnoPark Novosibirsk / Gate2RuBIN regional partner

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Location: Novosibirsk, Novosibirsk region, Russia.

Novosibirsk region is dynamically developing territory of Russia. Despite financial crisis the region demonstrated a growth of 9% in 2008 as compared with 2007. Economics of Novosibirsk region is diversified with 24% of regional GDP produced by heavy industries, 17% of regional GDP produced by transport and telecommunications, 17% - by commerce, 7.5% by agriculture and 4% by construction industry. Novosibirsk region has a strong R&D sector that is concentrated in Siberian Branch of Academy of Science. The largest industrial clusters which use R&D results include high energy electronics, scientific instruments building, biotechnologies, new materials and electrotechnical machine building.

Web-site for further information: www.nso.ru

Proposed technological areas for cooperation:

Biotechnology, Electronics, Microelectronics, Information and communication technologies, Medicine, Health

Details on directions for cooperation:

<p>Biotechnology</p> <p>BCD/BBS profiles ID's: 09 RU 86FG 3CUG</p>	<p>There is a strong R&D in bioinformatics sector. It relies on fundamental research of the Institute of Mathematics of Siberian Branch of Russian Academy of Science (SB RAS), the Institute of Computing Technologies of SB RAS, the Institute of Cytology and Genetics. There is also the State Research Centre of Virology and Biotechnology VECTOR located in Novosibirsk region. BBS #09 RU 86FG 3CUG. Adaptation of customer bioinformatics algorithms into a visual high-performance computing environment for analysis of biomolecular data. Innovation companies are looking for strategic partners and owners of large biomolecular data bases.</p> <p>Keywords: Bioinformatics, analysis of biomolecular data</p>
<p>Electronics, microelectronics</p> <p>BCD/BBS profiles ID's: 09 RU 86FG 3DIK.</p>	<p>There is a strong cluster of small innovation companies developing applications for electronics and microelectronics in Novosibirsk region. They base their developments on results of fundamental research done in universities and academic institutes. Many innovation companies are seeking for strategic investors and industrial partners in order to launch mass production of the products. An environmentally friendly technique of making electronic components based on multilayer print winding with extremely simplified manufacturing technology.</p> <p>Keywords: Electronic components, planar transformer, print winding</p>
<p>Information and communications technology</p> <p>BCD/BBS profiles ID's: 09 RU 86FG 3CUI</p>	<p>There are many software developers and telecommunications companies with a strong background in academic science and universities. This sector is one of the strongest knowledge based sectors in Novosibirsk region. There are companies which develop software, new technologies and equipment for telecommunications. One of the interesting technology is a "Software system of multifunctional (multitask) indexing for processing large data arrays" It is a core technology that can be used to build a lot of applications around it.</p> <p>Keywords: Information systems, databases, indexing, telecommunications applications</p>
<p>Medicine, Health</p> <p>BCD/BBS profiles ID's: 09 RU 86FG 3CWM</p>	<p>Novosibirsk region has many academic institutes and universities which develop medical technologies. Due to strong R&D in medicine, there are many results which have been converted into practical medical applications. A strong segment comprises transplant and implant technologies based on versatile research carried out by academic institutes and at medical university.</p> <p>Keywords: Novel technology for growing transplants to correct deformities of spinal column and other pathologies of musculoskeletal system</p>

18. Tomsk State University of Control Systems and Radioelectronics / Gate2RuBIN regional partner

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Location: Tomsk, Tomsk Region, Russia.

The Tomsk oblast is located in the geographic center of Siberia. Administrative center of the Tomsk oblast is the city of Tomsk (509.5 ths. citizens). Total population is 1034.900 people.

Main branches of industry comprise machine building and metal-working, timber and oil. All machine building and metal-working enterprises are concentrated mainly in Tomsk. Large woodworking plants are clustered in Tomsk, Asino, Ket and Mogochino. Oil production is carried out mainly in the north-west and in the north of the oblast. Near Tomsk the large petrochemical plant is located.

Tomsk oblast is a leader in staff preparation on all educational levels. Since the end of the 19 th century, the region has been developing as the leading research and educational center of the Siberian region, when the first university and polytechnic were founded.

Tomsk oblast educational and scientific complex:

- 11 Scientific and research institutes headed by Russian Science Academy and Russian Medical Science Academy;
- 10 higher education entities, including 6 universities, an academy, 1 institute, 2 Private colleges, 11 branches of colleges from other regions, where over 86 000 students are educated (which is every fifth Tomsk dweller) on 55 departments, studying 216 specialties;
- over 4 700 Doctors and Candidates of Science work in the region.

Successful examples of business and educational entities cooperation:

- Tomsk State University of Control Systems and Radioelectronics - preparation of businessmen-engineers in the field of radioelectronics and IT-technologies for small and middle scale innovational entities;
- Siberian State Medical University – preparation of medical staff and researchers for the most important directions of world medical science (bioengineering, bioinformatics, medical nanotechnologies);
- Tomsk State University - preparation of intellectual elite, integrating educational process with fundamental research

Web-site for further information: <http://investintomsk.com/en/tomsk/index.html>

Proposed technological areas for cooperation:

Electronics, Microelectronics, Information and communication technologies, Industrial Manufacture, Medicine, Health

Details on directions for cooperation:

<p>Medicine, Health</p> <p>BCD/BBS profiles ID's: 09 RU 86FG 3DR7, 09 RU 86FG 3DRW</p>	<p>The cooperation is needed for conduction of additional trials of the drug & medicine hygienic instruments and testing of new applications.</p> <p>Russian pharmaceutical company from Tomsk has worked out a drug for prophylaxis and treatment of viral diseases (tick-borne encephalitis, influenza, acute respiratory viral infections, hemorrhagic fever with kidney syndrome, sharp-pointed condylomatosis) .</p> <p>Also company developed a toothbrush with phototherapeutic effect. It is designed for prophylaxis and treatment of oral cavity diseases (gingivitis, parodontosis, stomatitis). - one- and two-brushed toothbrushes. Provide physiologically correct and more effective brushing of teeth.</p> <p>The advantage of the developments is clinically proved efficiency and safety, ease of use.</p> <p>Requirement to partners is experience in promotion drugs and goods for healthcare to market.</p> <p>Keywords: Pharmaceutical Products/Drugs, Virus, Virology/Antibiotics/Bacteriology, Dentistry/ Odontology</p>
<p>Information and communication</p>	<p>Cooperation is needed for joint further development and commercialization of the technology, and also participation in Seventh Framework Programme.</p>

<p>technology</p> <p>BCD/BBS profiles ID's: 09 RU 86FG 3EMD</p>	<p>The small company from Russia (Tomsk) develops technology allowing to increase security and surveillance systems effectiveness.</p> <p>The technology can be used for traffic monitoring, people counting, tracking:</p> <ul style="list-style-type: none"> - realtime indexing and index data base building, - quick search of scene in data base, - building of scene using original reconstruction scene GUI, - detection of specific scenes (object stolen/left behind etc.). <p>Using of the technology has a number of advantages:</p> <ul style="list-style-type: none"> - Competitive recovery of video surveillance and security systems thanks to: <ul style="list-style-type: none"> - enhancement of software functionality, - cost cutting due to decrease of service personnel, - enhancement of system effectiveness thereby minimize the influence of human factor; - System scalability due to modular construction of the system. <p>The group of developers from Tomsk has developed the program technology of human head movement detection by means of images analysis separated from a web camera video flow. The program is intended for detection of the movement activity of a head, eyes and an emotional state of a person. Now the program allows to receive quantitative characteristics of movement activity and an emotional state for one person in picture area. Unlike many known application, the given program uses without marker methods of an information extraction.</p> <p>The program allows to receive quantitative estimations of head movement activity in minimal time, to store them, to compare with each other and to form corresponding decision. At the same time it is possible to define an emotional state of a person. The used approach will allow to reveal features of psychological behavior of a person in various conditions.</p> <p>Requirements to the partners: to be able to integrate of the technologies with video surveillance and security systems; to test software, to organize technical cooperation with producers and distributors of video surveillance and security systems; to be ready to participate in Seventh Framework Programme or other programs of EU, to have experience in processing and analysis.</p> <p>Keywords: Computer Technology/Graphics, Meta Computing, Imaging, Image Processing, Pattern Recognition, Information Filtering, Semantics, Statistics, Description Image/Video Computing, Visualisation, Virtual Reality, Medical Research</p>
<p>Industrial Manufacture</p> <p>BCD/BBS profiles ID's:</p>	<p>The cooperation is needed for conduction of research and certification of energy equipment according Europe requirements.</p> <p>The small company from Russia (Tomsk) developed Power Converter Equipment such us:</p> <p>Modular Technology for Design and Manufacture of Power Supply Systems, Power Supply Systems for Magneto-hydrodynamic (MHD) technologies, Modular Technology for Design and Manufacture of Crystal Growing Apparatus Power Supply System, Power Supply System for Silicon Single Crystal Growing Apparatus, Solution of Power Systems for Polysilicon CVD-reactors.</p> <p>Their main strength is using modern algorithm and software to control power converter equipment.</p> <p>Requirements to the partners are experiences in developing, testing, certification and/or promotion of power converter equipment to market; participation in Framework Programme</p> <p>Keywords: Automation, Robotics Control Systems, Electronic engineering, Generators, electric engines and power converters</p>

19. Transfer Technologies Ltd / Gate2RuBIN regional partner

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Location: Yekaterinburg, Sverdlovsk region, Russia.

One of the most industrial advanced region of Russia, nowadays is to become the most comfortable for business. The strengths are the industrial and scientific bases. The weakness - the metallurgical branch dominates over all other industries. The regional government authorities stimulate the diversification of the economy towards high tech.

Web-site for further information:

Proposed technological areas for cooperation:

Information and communication technologies, Materials Technology and new Production Technologies, Medicine, Health, Nanotechnologies and Nanosciences

Details on directions for cooperation:

<p>Information and communication technologies</p> <p>BCD/BBS profiles ID's:</p>	<p>Two most promising developments: quick-operating devices for wireless data transmission through the atmosphere either with optical channel (FSO), or with reserve radio channel; virtual diagnostic tester of engineering analysis based on Grid for application of computer simulation in industry.</p> <p>Any type of cooperation in these fields will be welcomed - trade Intermediaries, dealers net to promote the products on the European market, franchise collaboration, Joint Venture creation and others.</p> <p>Characteristics of the Partner: Experience in the spheres, availability of own trade net (experience of sales) Scientific potential</p> <p>Keywords: wireless telecommunication, virtual diagnostic tester</p>
<p>Health</p> <p>BCD/BBS profiles ID's: 20091021020, 20091021014</p>	<p>The directions: prosthetic dentistry, dental laboratories, dental equipment, devices for wax modeling, surveying and milling machines, surgical technologies of operations from little access, Xenon therapy for treatment, development and manufacture of electrocardiostimulators with transoesophagus, endocardial and transthoracal modes and equipment for physiotherapy.</p> <p>Cooperation: trade intermediaries, distributors for mutually beneficial cooperation aimed at promotion and sale of the new conceptual developments/products in Europe; joint venture – production on the territory of the company; reciprocal production – partners, who are able to supply high tech products in exchange for metalworking production.</p> <p>Keywords: medicine, health, dentistry, surgery, Xenon therapy, physiotherapy</p>
<p>Material Technology and new Production technologies</p> <p>BCD/BBS profiles ID's:</p>	<p>1) High-speed high-precision electrochemical shaping of profile composite tools and machine parts (components). Advantages of high-speed high-precise electrochemical shaping (HSH PES) over mechanical (MM) and electric erosion (EEM) machining: Efficiency for HSH PES is much higher than for MM or EEM;</p> <p>2. Maintenance-free electrode-instruments;</p> <p>3. Machining of super hard materials is as easy as of ordinary steels;</p> <p>4. Manufacturing and machining of thin-walled and fragile articles;</p> <p>5. Removal of defective layers caused by previous processing;</p> <p>6. Manufacturing of details with complex geometry in a one-step process;</p>

	<p>7. High precision of machining (within $\pm 0,005$ mm); 8. Surface roughness parameter does not exceed 10 nm when the article is manufactured from nickel-based heat resisting alloys, and it does not exceed 100 nm when tungsten-based tool steels are used; 9. Machining of tempered billets; 10. Machining of the billet and formation of a smooth surface of the resulting article are combined into a single process; 11. Perfectly reproducible geometrical sizes of the articles, enhanced physical and mechanical properties, elimination of finishing operations and of manual polishing. The stage of progress is serial production, it is already on the market. Collaboration sought: partners to distribute the products, for joint venture or/and reciprocal production, technical co-operation, commercial agreement, licensing agreement. 2) Technology improving wear resistance of metals and alloys. The technology allows increasing the wear resistance of all steel and alloy grades without limitations, including hard alloys, all kinds of coated tools independent of a country of origin. It reduces expenses and production costs, decreases routing breaks of equipment operation and improves quality of the products considerably. All types of cooperation will be welcomed.</p> <p>Keywords: composite tools, high-precision electrochemical shaping</p>
<p>Nano-technologies and Nanosciences</p> <p>BCD/BBS profiles ID's:</p>	<p>1) Original technology which allows to produce the elements for wavelength conversion of laser light based on original method of creation of the precise periodical domain structure with nanoscale accuracy in MgO doped lithium niobate. 2) Technology and production of optoelectronic devices on the basis of LiNbO₃ single crystals with precise periodic micro- and nano-domain structure. 3) Creation of planar nanostructural materials with giant magnetic impedance and magnetic field sensors. 4) Technology and production of nanocrystalline hard magnetic materials for composite magnets with high magnetic energy. 5) Development and production of catalysts for neutralization of gases ejected from thermal systems using high porous materials with nanostructured surface. Type of collaboration sought: Joint Venture agreement, Development and production according to orders, Technical consultancy, Joint international projects</p> <p>Keywords: Lasers and laser's systems, optoelectronic devices, planar nanostructural materials, nanocrystalline hard magnetic materials, catalysts for neutralization of gases ejected from thermal systems</p>

20. TVN Center / Gate2RuBIN regional partner

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Location: Saint-Petersburg, Russia.

Saint-Petersburg has had the image of "the city of high technologies" since the moment it was founded. At present the city has one of the largest Russian scientific and technical-scientific potentials. 11% of the Russian scientific potential, 14% of Russian researchers and 8% of Russian students are focused in St. Petersburg. The sphere of science and innovative actions of the city on Neva is represented by 453 scientific organizations including 48 scientific organizations of the Russian Academy of Sciences, 327 field scientific organizations, more than 130 higher educational establishments and 13 innovative and technological centres and technology parks.

TVN Center has an extensive contacts network with universities and technical-scientific organizations, thanks to active work with the projects “U.M.N.I.K.” Program of the Foundation for Assistance to Small Innovative Enterprises (FASIE) and relations with SME and virtual ITC.

The main directions of scientific and technological activities are:

- ICT;
- Nanotechnologies related to Electronics and Microelectronics;
- Medicine and Health;
- Instrumentation.

Web-site for further information: <http://www.fondtvn.spb.ru>

Proposed technological areas for cooperation:

Materials Technology and new Production Technologies, Medicine, Health, Security

Details on directions for cooperation:

<p>Security</p> <p>BCD/BBS profiles ID's:</p> <p>-</p>	<p>APSTEC Ltd. is a privately owned high-tech R&D company. Main competence:</p> <ul style="list-style-type: none"> - Development of devices for detection of explosives, hazardous chemicals and radioactive/nuclear materials – by a family of nuclear/neutron-based techniques. - Development of devices for detection of threat objects concealed on human body (e.g. suicide bombers) – by a family of active microwave-based techniques. <p>Management: total number of employees 15 (incl. 6 PhD), average age 36. Concept : A radical restructuring of facilities' security: detect the terrorists before they know they have been examined. For the first time terrorists with concealed weapons, including explosives, can be identified as they walk along anywhere on the premises including the parking garage, hotels, access trains, incoming stairways and escalators, passport control stations, check-in counters, so security forces can intercept them. Tool: Active Microwave System for Covert Standoff Detection of Suicide Bombers.</p> <ul style="list-style-type: none"> - Standoff inspection - Automatic localization of the concealed object, automatic determination of the threat level associated with it, and of its mass. - Real-time operation - Covert inspection - Safe for humans and equipment <p>Delopment stage of the product: pre-production prototypes. The company is interested in strategic partnership for technology development and production organization.</p> <p>Keywords: non-destructive control methods, image construction, processing and recognition, prototypes, hazardous materials, electronics, construction and modeling</p>
<p>Health</p> <p>BCD/BBS profiles ID's:</p>	<p>BioAnalytical Center «Analytical Spectrometry» (St. Petersburg, Russia) offers cooperation for develop new methods of diagnosis and treatment of various diseases of endocrine, cardiovascular and urogenital systems and their application. The aim of the project is developing methods of rapid and highly efficient diagnosis of various diseases based on determination and monitoring important biomarkers and drugs in biological objects (urine, plasma and blood serum, tissue of bladder and brain structures). Our team consists of young specialists (the average age is about 28 year). We have experienced in clinical and biochemistry research:</p> <ul style="list-style-type: none"> -drug administration and monitoring (endocrinology, dialysis, diabetes, oncology, transplantation); -determination of diagnostic markers (catecholamines, nature and synthetic steroids, sugars, vitamins etc.) in biological liquids (urine, plasma, blood serum, tears, saliva) for diagnosis and control of treatment; -developing new effective methods of determination and quantitation of biological active substance (applying specific methods off-line and on-line concentration of analytes for reducing their LOD); -fingerprinting diagnosis (characteristic chromatographic and electrophoretic profiles)

	<p>-carrying out the reference research; One of our objects of interest is electromotive drug administration (EMDA) for minimum invasive therapy of bladder and prostate cancer. Also we have a lot of experiences with polyphenolic compounds (C, EC, EGC, GCG, ECG, EGCG). We have analyzed more than 500 different plants extracts and received the Patent № 2327978 "Method of biological objects identification by obtaining their characteristic profile". Center is equipped with modern analytical techniques LC-ESI-MS (Agilent, Varian, Shimadzu); MALDI-TOF MS (App.Bio., Varian); HPLC- UV, -FLD, -EC (Waters); capillary electrophoresis system (Agilent). The aim of this proposal is collaboration with teams with similar object of investigation for comparing and adding of physicochemical and clinical results. Carrying out a reference research of different therapy of superficial bladder cancer: common therapy (passive diffusion, BCG) and intravesical electrophoresis. We propose to organize a cooperation project to improve the quality of work and a certification of our Center.</p> <p>Keywords: biomarker;cancer;drug administration and monitoring;LC-MS</p>
<p>Materials Technology</p> <p>BCD/BBS profiles ID's:</p>	<p>The company "Active-nano Ltd." provides R&D services in the field of milling and mechanical activation, advanced materials, nanomaterials, mechanochemistry and mechanical alloying. We use milling equipment of high energy density – planetary mills of high accelerations.</p> <p>Expertize:</p> <ul style="list-style-type: none"> - powder milling and characterization - production of composites, including nanocomposites with metal and ceramic matrix <p>High-energy planetary mills provide milling in 10-30 min compared to tens of hours of milling in conventional milling equipment. For example, particle size of 120 nm was attained for tungsten carbide (WC) in the planetary mill MPP-1 in 30 min, whereas it required 15 hr in a reference mill. Planetary milling allows not only to reduce particle size down to nanoscale of particles but also to attain effects of mechanical activation, provide efficient mixing and mechanical alloying of powders and obtain dispersion-strengthened alloys. Improvement of material properties is a result of optimization of particle size and effects of mechanical activation. Nanostructured powders of micron and submicron sizes provide high density, hardness and strength of sintered materials.</p> <p>Company is interested in industrial and academic partners that are developing new materials with nanocomponents, new technological proceses including high-energy milling. We are looking for a European tribological laboratory that would study mineral coatings and confirm its excellent antifriction properties. An ideal partner would be an industrial company that has a sore problem of friction pairs working in conditions of high temperatures, abrasive wear, aggressive media (e.g. sea water or salt fog).</p> <p>Forms of cooperation:</p> <ul style="list-style-type: none"> Research and development services Pilot projects – studies of possibilities of planetary mills Development of technologies of grinding and of production of composites Providing prototype-scale lots of powders Technology transfer <p>Materials: ceramics, hard metals, composites, dispersion-strengthened alloys, components of antifriction formulations, solid wastes.</p> <p>The team initiated a project of the 6th Framework Program of EC "Superhigh Energy Milling in the Production of Hard Alloys, Ceramic and Composite Materials". We regularly place the company profile referring to various 7FP calls announced.</p> <p>Keywords: nanocomposite; metal matrix composite; light weight; milling; mechanical alloying</p>

21. Ulyanovsk State Technicals University / Gate2RuBIN regional partner

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Location: Ulyanovsk, Ulyanovsk region, Russia.

Ulyanovsk Region is a part of Volga Federal Area of the Russian Federation. The center of the region is Ulyanovsk that was found in 1648. The destination from Moscow to Ulyanovsk is 893 km. The Ulyanovsk Region has borders with the Saratov Region, Penza Region, Republic of Mordovia, Chuvash Republic, Republic of Tatarstan, Samara Region. The number of inhabitants (concerning the statistics from 1 January 2009 is 1305,0 thousand (956,1 thousand live in towns and 348,9 thousand – in villages). Main cities: Ulyanovsk – 606,9 thousand inhabit., Dimitrovgrad – 127,6 thousand inhabit., Inza – 19,1 thousand inhabit., Barish – 17,4 thousand inhabit., Novoulyanovsk – 16,5 thousand inhabit.

Competitive transport-geographical positions compound with reach agricultural lands, oil and gas storages, not mining building materials, water and hydro-energetic recourses, developed infrastructure, different industrial manufacturing.

Main directions of the industry: heavy industrial manufacturing and metals treatment, light and food industry, building materials manufacturing. Heavy industrial manufacturing includes car manufacturing, aero-constructions, electronics, treatment machines manufacturing.

One of the most developed sectors of Ulyanovsk Region is agriculture. Producing of meat, pork, chicken, milk, is very popular in the region as well as producing of grain and some technical agricultural plants.

The foundation of science and technical potential of the region is five State Universities, five R&D centers (in the area of nuclear research of material for nuclear power plants, creation of radio nuclide sources for medical and technical purposes, aero technologies and developing of aero materials, heavy industry manufacturing, agriculture), two centers of academic profile (including area of telecommunications and electronics).

Web-site for further information: <http://ctt.ulstu.ru>

Proposed technological areas for cooperation:

[Energy, Energy Storage / Transport / Saving, Information and communication technologies, Materials Technology and new Production Technologies, Nanotechnologies and Nanosciences](#)

Details on directions for cooperation:

<p>Information and communication technologies</p> <p>BCD/BBS profiles ID's: 09 RU 86FG 3CHN, ULCTT 316721,</p>	<p>1. Mobile measuring terminal for electromagnetic field measurement A group of researchers from Ulyanovsk, Russia, developed a technology for manufacturing a compact device for monitoring electromagnetic field level in areas where radio communication systems operate. The device can be used for mapping electromagnetic pollution of an area with indication of spots with excess of permissible level of electromagnetic field. The cost of the device is 6-7 times less than the cost of known analogues. The group looks for partners for technical cooperation.</p> <p>2. The methodology and system of automated designing of integrated processing complexes for purification of drinking water, recycled and waste waters A consortium, which consists of a university and a production innovation company</p>
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<p>ULCTT 313516, ULCTT 316897, ULCTT 316941 (all those only in RTTN database)</p>	<p>from Russia, has developed the methodology of construction and designing of optimum large complexes of water purification of wide application. The consortium looks for partners from EU countries for development of systems of automated designing of optimum complexes for purification of drinking water, recycled and waste waters of large volume adapted for European and Russian standards, as well as for joint production of purification complexes and selling them.</p> <p>3. Universal software development environment for embedded real-time systems A Russian group of developers offers a software development environment for embedded real-time systems on the basis of open source. The environment ensures support of the complete cycle of software development: compilation, debug, preparation of weaving and testing. The developed BIOS and loader ensure the minimum readiness time of systems, and configuration scripts ensure flexible system control. The group is seeking partners for expansion of the sphere of use and introduction of the software.</p> <p>4. Visual environment for quick development of web applications An IT company from Russia is developing an environment for quick creation, management and adjustment of a web-site of any complexity. Using the environment permits to quickly respond to changing requirements to the web application being developed, save the time and costs for the development. At present the working prototype of the environment is realized. The company is seeking a partner from EU countries in the sphere of software sale which could commercialize the software and distribute it.</p> <p>5. Domain model and a framework for projecting integrating real-time systems Russian consortium that includes scientists from university and innovative company, developed domain model for projecting integrating real-time systems. That model is going to be the basis for developing special framework for projecting of systems of such level. Consortium is looking for partners for further research and development of current results.</p> <p>Keywords: Electronics, Microelectronics, IT and Telematics Applications, Electronic measurement systems, Environment, Electronic circuits, components and equipment, High Frequency Technology, Microwaves, Environment Management Systems & Documental Management Systems, Remote sensing technology, Computer Software, ICM - Internet Content Management, Algorithms and Complexity, Mathematical modeling.</p>
<p>Energy, Energy Storage/ Transport / Saving</p> <p>BCD/BBS profiles ID's: ULCTT 313589, ULCTT 313367, ULCTT 313694, ULCTT 313936 (all those only in RTTN database)</p>	<p>1. Technologies of regeneration of low-potential flows of heat of thermal power station by blast air A group of scientists (Ulyanovsk) offers technologies to decrease fuel consumption of thermal power stations (up to 13000 tons per year counting on one power unit 100 MW) owing to reducing of heat losses to the environment. This result is achieved by means of using the heat of low-potential worthless sources (exhausted steam of turbines, hydrogen of turbo-generators, oil of transformers, oil of turbines, blow-off water) for additional heating blast air before main air-heaters. New technologies allow to return heat of worthless flows to the cycle of the station as well as to decrease energy cost for the air-heating system. The period of payback of the technologies does not exceed one year. The group is looking for partners for further research and introduction of the technologies.</p> <p>2. Increase of mass-exchange and energy effectiveness of thermal deaerators owing to perfection of technologies of vented steam transportation and utilization A group of scientists from Ulyanovsk has developed technologies of thermal deaeration of water at heat-and-power engineering enterprises which increase mass-exchange and energy effectiveness of the process of water thermal deaeration on heat sources. The group is looking for partners for introduction of research results at heat-and-power engineering enterprises. Developed solutions ensure utilization of heat and mass of vented steam of</p>

	<p>deaerators of redundant and vacuum pressure (in most cases vented steam is moved away to the atmosphere).</p> <p>3. Energy effective technology of covering of heat load of water treatment installations of thermal power plants Scientific group developed energy save technology that pointed to optimization of covering of heat load of water treatment installations of thermal power plants. New technologies allows to use low potential steam of low-pressure outlets of steam turbines for water treatment purposes this gives an opportunity to generate an additional power due to decreasing the pressure in lower outlets of turbines. The group is looking for partners for applying the technology.</p> <p>4. Optimization of structure of system of regulation of load of heat supplying systems. The laboratory developed a complex of technologies that are devoted to increasing of efficiency of systems of heat supplying systems. Main fiche of the idea using of combinations of systems of heat supplying and quantity regulation methods. The effect of using the technology is 10-40% comparing with the analogs. The group is looking for industrial partners.</p> <p>Keywords: Energy, Protecting of the environment, Process optimization, waste heat utilization, Rational use of energy</p>
<p>Materials Technology and new Production Technologies</p> <p>BCD/BBS profiles ID's: ULCTT 313627, ULCTT 313780, ULCTT 314845 (all those only in RTTN database)</p>	<p>1. Technology of ultrasonic athermic residual stresses relief in ground parts of machines and welded metal structures A group of researchers from Russia offers a technology and equipment for ultrasonic athermic residual stresses relief in ground parts of machines and welded metal structures. The ultrasonic technology is less power-consuming, it does not require furnaces and chambers. Investors and partners are sought for organizing production and realization of the offered technologies and equipment and also for conduction of further research on optimization of structural and mode parameters of the equipment.</p> <p>2. Technologies of production of articles made of composite and ceramic materials on the basis of microwave radiation A scientific-production enterprise from Russia has developed technologies of efficient and resource-saving processes for microwave thermal processing of semimanufactured articles on organic thermosetting binders. The group is seeking partners for attraction of investments for designing, production, testing of the experimental-industrial microwave plant with the productivity 20 kg/hour and for cooperation with specialized enterprises in the part of designing, production of parts and units. Application of microwave radiation permits to reduce the duration of thermal processing operations. Increase of the quality of abrasive tools is ensured due to more uniform and quick heating of binder and abrasive grains in all the volume of an abrasive tool in comparison with existent technologies. In comparison with the existent convective technology, the offered technologies will permit to reduce the time of thermal processing 5 times and to decrease 5 times specific power inputs for semimanufactured articles thermal processing.</p> <p>3. Wear-resistant coating for cutting tools A group of researchers from Russia has developed a technology of making wear-resistant coatings for cutting tools. The technology includes making vacuum-plasma multielement coating on the basis of modified titanium nitride. It permits to increase cutting tools durability and productivity of cutting many times.</p> <p>Keywords: Surface treatment (painting, galvano, polishing, CVD, PVD), Machining, fine (grinding, lapping), Jointing (soldering, welding, sticking), Industrial Manufacture, Composite materials, Ceramic Materials and Powders Materials Technology, Hardening, heat treatment</p>
<p>Nano-technologies</p>	<p>1. Technology of getting the required properties of aluminium alloy parts working in conditions of friction</p>

<p>and Nanosciences</p> <p>BCD/BBS profiles ID's: ULCTT 315519 (only in RTTN database)</p>	<p>A scientific group from Russia offers a method of ensuring the required properties of materials working in friction conditions due to reinforcement by the composite material on the basis of an aluminium alloy.</p> <p>The novelty of the technology is in reinforcement of a material by composite inclusions of high-accuracy chemical composition with the given percentage ratio of the reinforcement element.</p> <p>Basic advantages of the offered method:</p> <ul style="list-style-type: none"> - purposeful regulation of the set of properties (reliability, stability of operational properties in time and other) which meet the requirements of consumers to the maximum; - possibility of production of both unsplit parts and more efficient multilayer compositions; - possibility of replacement of conventional expensive materials of triboengineering purpose (bronze, brass, babbitts and other) with decrease of article weight 3 times; - ensuring high manufacturability and reliability at operation; - decrease of article net cost. <p>Keywords: Non-ferrous Metals, Composite materials, Mixing (powder, etc.), separation (sorting, filtering)</p>
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22. Ural Regional Transfer Technology Center / Gate2RuBIN regional partner

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The Ural regional technology transfer center developed commercialization business model for academic institutes (Ural branch of Russian academy of sciences), renders consulting services (by preparation of applications for reception of financing on research and development, at drawing up of business-plans of innovation projects, marketing researches, creation start-up, estimation IP, attraction venture capital and sale of licenses); supports databases of innovation development and small research-and-production enterprises of Ural region; carries out network interaction in frameworks RTTN and its international segments; accompanies with regional exchange of innovations.

The innovative technological center «Academicheskii» provides maintenance of economic infrastructure and development of small innovation enterprises. In ITC 14 small research-and-production enterprises, the basic directions of their activity: reception is fine metal powders and materials on their basis; processing of waste products with reception rare both precious metals; development power equipments; manufacture of iatrotechnics; creatiIntegrating science into regional industry by promoting technology transfer.

Strength in EU/RF cooperation:

- interaction with research sector and small research-and-production companies;
- indemnification of expenses for rendering of consulting and marketing services, organization of network interaction;
- organization models of international projects: criteria of partnerships in projects, forms of participation, right of intellectual property in international projects;
- establishment of business - cooperation between ITC companies and European companies.

Web-site for further information: www.urctt.ru

Proposed technological areas for cooperation:

Information and communication technologies, Industrial Manufacture, Material Technology and new Production Technologies, Nanotechnologies and Nanosciences

Details on directions for cooperation:

<p>Industrial Manufacture, Information and communication technologies</p> <p>BCD/BBS profiles ID's:</p> <p>09 RU 86FG 3F3V</p>	<p>An academic institute from the Ural region has developed a device for performing express-analysis of coating quality and local thermal and physical properties of inhomogeneous materials. The device is characterized with high response and locality and utilizes a non-contact measurement technique. The detector is capable of performing as manual as automatic positioning over the surface of the analyzed sample. Laboratory staff: 7 persons, including one doctor, three candidates of physics and mathematics, one research associate, one post-graduate student. The workers of the laboratory have developed a theory of the dynamic method of flat temperature waves, which makes it possible to measure the thermal diffusivity of thin metal plates of small size in conditions of continuous heating in both solid and liquid states. The Institute is looking for a partner to conclude a license agreement or a technical cooperation agreement.</p> <p>Type of partner sought: industrial, scientific research organizations.</p> <p>Specific area of activity of the partner: manufacturing and technology process quality control for production of inhomogeneous materials for applications in instrument engineering, metallurgy, mechanical engineering, jewelry making and aircraft building. Tasks to be performed: adjustments and tailoring the proposed device in accordance with the specific requirements of a country or a partner's region.</p> <p>Keywords: Other Non Destructive Testing, Analyses / Test Facilities and Methods, Laser Technology, Quality Management System, Printed circuits and integrated circuits</p>
<p>Industrial Manufacture, Material Technology and new Production Technologies, Nano-technologies</p> <p>BCD/BBS profiles ID's:</p> <p>09 RU 86FG 3EKD</p>	<p>An SME from Yekaterinburg develops elements for laser light wavelength conversion made of nonlinear-optical ferroelectric crystals with periodical domain structure produced with nanoscale precision. A small-scale manufacture of conversion elements based on lithium niobate crystals doped with MgO is set up. The enterprise seeks partners for a joint venture or a commercial agreement with technical assistance. The company's success is based on their unique knowledge in the area of periodical domain patterning in lithium niobate monocrystals with the period repeatability about 10 nm. The elements for laser light wavelength conversion are used in solid-state, diode and fiber lasers and laser systems for application in various areas.</p> <p>Type of partner sought: industrial, scientific research organizations.</p> <p>Specific area of activity of the partner: development and/or manufacturing lasers and laser's systems production.</p> <p>Task to be performed by the partner sought: implementation of the technology adapted for the customer needs, in case of success - a joint venture, promotion of new optical converters to the market.</p> <p>Keywords: Micro- and Nanotechnology related to physical and exact sciences, Optics, Laser Technology, Optical Materials, Optical Networks and Systems</p>
<p>Industrial Manufacturing, Material Technology and new Production Technologies</p> <p>BCD/BBS profiles ID's:</p> <p>08 RU 86FG 0JED</p>	<p>An SME from Yekaterinburg has developed manufacturing technology for tantalum powders for condensers, which properties outdo those of the foreign analogs. The production is based upon a fundamentally new electrochemical technology, which utilizes tantalum pentachloride as starting material. From consumer viewpoint, the value of powder is higher the greater the charge capacity, the less the leakage current and the higher the breakdown voltage.</p> <p>The company is looking for partners willing to provide technical assistance and to promote the products in the worlds markets.</p> <p>Type of partner sought: industrial organizations.</p> <p>Specific area of activity of the partner: production powders for condensers.</p> <p>Task to be performed by the partner sought: implementation of the technology adapted for the customer needs, promotion of new tantalum powders to the market.</p>

	<p>Keywords: Electronic circuits, components and equipment, Metals and Alloys, Electrical Engineering and Technology / Electrical Equipment</p>
<p>Industrial Manufacturing, Material Technology and new Production Technologies, Electronics</p> <p>BCD/BBS profiles ID's: 08 RU 86FG 0JE9</p>	<p>An academic institute from the Ural region offers a system designed for cooling personal computer processors (both desk-top and portable versions) based on loop heat pipes (LHP) - heat transfer devices with super effective thermal conductivity. Loop heat pipes were originally made as heat transfer devices for thermal regulation systems of spacecraft. Extra-low thermal resistance of LHP (between 0.01 and 0.1 K/W) makes it possible to transfer great heat fluxes of high density at small temperature drops, due to mathematical modeling of heat-transfer processes in two-phase heat-transfer devices.</p> <p>The institute is looking for a partner interested in developing cooling systems of 10W - 3kW with the prospect of setting up a batch production.</p> <p>Type of partner sought: industrial, scientific research organizations.</p> <p>Specific area of activity of the partner: development and/or manufacturing cooling systems for the central processors of desktop personal computers</p> <p>Task to be performed by the partner sought: implementation of the technology adapted for the customer needs, in case of success - a joint venture, promotion of new cooling systems to the market.</p> <p>Keywords: Electronics, Microelectronics, Space Exploration and Technology, Heat pump, cooling technologies, Physics of Fluids</p>

23. Voronezh innovation technological center / Gate2RuBIN regional partner

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Location: Voronezh, Voronezh Region, Russia.

Administrative center of Voronezh region - Voronezh city.

Established in June 13, 1934.

Federal district - Central.

Economic region - Central Black Earth.

Area- 52,400 km²

Population - 2,378,803 inhabitants.

Voronezh region strengths:

- Presence of high concentration of enterprises of the industrial sector and subjects of branch science.
- High requirements for a full complex of services for the development of innovative business.
- Presence of the perspective innovative companies and projects.
- The legislative base in the Voronezh region is created for development of innovative activity, providing various forms for supporting of enterprises realizing innovative projects.
- Availability of the significant scientifically - technical reserves for incubation the new companies.
- Availability of qualified personnel and sources of its preparation.

Scientific - industrial potential of the region:

- More than 2500 industrial enterprises including 370 large and average enterprises
- More than 300 Innovative companies
- 64 Scientific organizations, Scientific research institutes and KB, including 17 branch organizations
- Small business of 80 thousand subjects

- Agroindustrial complex - more than 200 enterprises
- Public health services: 165 hospital establishments, 418 ambulance stations, 837 obstetrical stations
- 36 Establishments of the supreme professional education
- Transport, communication - 27 enterprises.

Web-site for further information: <http://www.v-itc.ru>, <http://www.govrn.ru>

Proposed technological areas for cooperation:

[Agriculture, Electronics, Microelectronics, Medicine, Health, Nanotechnologies and Nanoscience](#)

Details on directions for cooperation:

<p>Biotechnology, agriculture</p> <p>BCD/BBS profiles ID's:</p>	<p>Our strategy is to develop, produce, and sell internationally a range new products in agriculture and healthy food sectors.</p> <p>We are ready to work with European companies and present our expertise and knowledge for international investment projects.</p> <p>We propose to develop investment projects with European collaborators and partners for research and development of new products to improve nutrition, boost food security, foster rural development, improve health conditions and support sustainable quality of life.</p> <p>We are looking for investors among European companies and investment organizations.</p> <p>Our professional team includes agricultural specialist, technical engineers, research and development experts in dietary products.</p> <p>We have invented and patented unique technologies of manufacturing Amaranth-based products which are the wonderful food and dietary supplements with high levels of fiber, calcium, copper, iron, magnesium, phosphorus, manganese, nutrients, vitamins as well as omega series fatty acids, tocopherol (Vitamin E) and squalene.</p> <p>The most significant experience and achievement of our team is conducting research and clinical trials of new products for prophylactic treatment of cardio-vascular diseases, diabetes and gum disease together with the Russian clinical centers and international experts.</p> <p>Keywords: clinical analyses and test, development of new pharmaceuticals</p>
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24. Zelenograd Inoovation Technological Centre / Gate2RuBIN regional partner

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Web-site for further information: www.zitc.ru

Proposed technological areas for cooperation:

[Information and communication technologies](#)

Details on directions for cooperation:

<p>ICT</p> <p>BCD/BBS profiles</p>	<p>Our center has a good companies-partners in the field of ICT developments. Our partner are looking for partner for technical cooperation, joint venture agreement or commercial agreement with technical assistance or other type of colloboration.</p>
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ID's: 09 RU 86FG 3EPC, 09 RU 86FG 3EWW	Keywords:
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25. FORTH/ HELP-FORWARD/ PRAXI Network / EEN – Hellas

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Greece offers a wide variety of investment opportunities that take advantage of the country's strategic geographic location and unique competitive advantages. Greece is a natural gateway to more than 140 million consumers in Southeast Europe and the Eastern Mediterranean, a region with a GDP of almost €1trillion. As the hub of diverse emerging markets, Greece provides access to populations with a strong demand for services, products, infrastructure modernization, technology and innovation networks.

Greek companies have a strong foothold in the region and are among the top three investors in every market. Over the last few years, more than 4,000 Greek companies have invested more than €15 billion in Southeast Europe. In financial services alone, more than 3,000 branches of Greek banks are active in the region.

Technology, responsible for 4% of GDP, continues to drive economic growth and development. More than 2,000 specialized large and medium size companies, employing in excess of 80,000 professionals, have enjoyed a 7% growth rate from 2002-2007 in a sector that continues to expand. The investment law supports software development, broadband services, the establishment of R&D facilities, and benefits investors as a priority sector. R&D priorities include food technology, biotechnology, nanotechnology, microelectronics, health, security, the environment, energy and transport, space, cultural heritage, and finance. With mobile phone penetration at 150%, opportunities in this sector are in value added services. Broadband services represent a strong growth area following more than €500 million invested in infrastructure.

Last but not least, Greece offers access to regional markets of more than 140 million consumers, highly attractive investment incentives, and unparalleled opportunities in a variety of sectors.

Web-site for further information: www.help-forward.gr

Proposed technological areas for cooperation:

[Biotechnology](#), [Information and communication technologies](#), [Other Technology \(Photonics\)](#)

Details on directions for cooperation:

Information and communication Technologies BCD/BBS profiles ID's:	Despite the global economic recession, IT market in Greece has shown a consistent growth. Strong IT policies of the Government and constant demand from the public sector organizations and SMEs are driving this growth. With new innovative technologies, products, and customized services, the overall IT sector is expected to be driven by the growth in software, IT services, and telecommunication equipment markets. 27% of the firms state that they invest more than 10% of their turnover in R&D, while 75% of the firms report that they have launched a new or considerably improved good (product or service) during the recent couple of years (2005-2006) in the market, showing, thus, some product innovation. The respective percentage of the innovation of operations/procedures is less (58%). The sector confirms its satisfactory
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	<p>innovativeness, although it regards mainly products/services adoption from abroad.</p> <p>Major efforts are underway to capitalize on the country's considerable intellectual capital. New incentives to expand domestic R&D are producing positive results. Science and technology parks such as the Science & Technology Park in Crete and the Patras Science Park are attracting high-level talent and are home to some promising start-ups.</p> <p>The National Centre of Scientific Research "DEMOKRITOS" (Institute of Informatics & Telecommunications) should be also mentioned. It focuses on R&D in the areas of Telecoms, Networks, Web Technologies and Intelligent Systems and its main research target is to tackle the challenges that arise from the massive volume of multimedia information by using semantic analysis and management of multimedia information.</p> <p>Special mention will be given to the Institute of Computer Science at the Foundation for Research and Technology - Hellas (FORTH) and to the Ambient Intelligence Programme (AMI) which runs horizontally to the variety of FORTH-ICS laboratories and it is responsible for the creation of "intelligent" environments" able to proactively adapt to humans, as well as to optimally serve their needs.</p> <p>FORTH-ICS was also the cradle of the most successful academic spin-off in Greece in the internet and telecommunications sector in Greece (FORTHNET SA). Another recently founded spin-off of FORTH-ICS is Nanochronous Logic, Inc., targeted to the commercialisation of research results in the domain of asynchronous design of integrated circuits.</p> <p>Moreover, there are state funded clusters , with activities wholly or partly in the ICT sector:</p> <ul style="list-style-type: none"> - Hellenic Technology Clusters Initiative Corallia (http://www.corallia.org) targets the creation \ and advancement of - technology cluster initiatives that can compete at a global level - Regional Innovation Pole for Central Macedonia (http://www.innopole.gr) - Regional Innovation Pole of Western Greece (http://innopolewest.gr) - Regional Innovation Pole of Crete (http://www.i4crete.gr) <p>Last but not least, Hellenic Semiconductor Industry Association is a key player too.</p> <p>Keywords: Ambient Intelligence (AMI), Semantic Analysis, Management of multimedia information</p> <p>Links (number) of relevant BBS/BCD profiles: Virtualisation technology for data storage systems (Ref: 09 GR 49R2 3DIC) Surgery Planning Software for Total Hip Replacement(Ref: 09 GR 49R2 3EZT) An innovative wireless broadband network for mountain regions (Ref: 09 GR 49R2 2S52) An integrated network collaboration environment for live music performances. (Ref: 08 GR 49R2 27MH) e-Learning and Human Capital Development Platform(Ref: 08 GR HFHF 0JX5) A unified platform for providing location-aware low-cost services to mobile devices such as phones and gadgets based on hotspots(Ref: 07 GR HFHF 0HX7) Open and modular customer relationship management (CRM) system (Ref: 09 GR 49R2 3CK6)</p>
<p>Photonics</p> <p>BCD/BBS profiles ID's:</p>	<p>During the last ten years significant academic and managerial achievements have been presented in the Optics and Photonics field transforming the Greek sector as a very attractive one. However, the progress made is mainly led by the Greek universities and research organisations, while the private sector companies already deployed in the field are mainly product distributors, service providers and representatives, rather than developers and manufacturers. In that respect, there is a</p>

	<p>need for reinforcing the private activity in the field raising funds and creating synergies with the Russian corresponding organisations.</p> <p>There are more than 12 departments, Institutes or smaller laboratories in the Greek region, with most of them being based in Athens and Crete. Major research institutes and universities having established research activities of international recognition are those of National Technical University of Athens (NTUA), University of Athens, National Hellenic Research Foundation in Athens (NHRF), and the Institute of Electronic Structure and Laser, Foundation for Research and Technology – Hellas (IESL-FORTH), in Heraklion. The last is the major laser research organisation in Greece, hosting a Large European Access Laser Facility, and performing research and training activities in several topics of laser science, while being a widely recognisable research figure in Europe and USA. Other academic actors that host significant research activity in Optical Physics and Photonics are those of the University of Patras, and the Aristotle University of Thessaloniki.</p> <p>The main research topics already addressed in Greece are as follows:</p> <ul style="list-style-type: none"> • Optical Materials Science and Technology • Laser Processing of Materials • Fundamental Investigations using Laser Beams • Fibre and Waveguide Optical Components • Fibre Optics Sensors • Photonic Crystals and Metamaterials • Semiconductor Photonics • Energy and Environment <p>Moreover, a brief profile presentation of selected companies in the field are :</p> <p>FORTH-Photonics (FP)(www.forth-photonics.gr) was established in late 2002 as a spin-off from the Foundation for Research and Technology-Hellas (FORTH), Greece.</p> <p>THEON Sensors (www.theon.com) was incorporated in 1997 in Athens and is located in privately-owned facilities at Koropi. THEON Sensors specializes in the design, development, manufacture & integration of Electro-Optical systems for defence and security applications as well as micro sensing systems that can measure air flow and pressure based on Micro-Electronic Mechanical Systems (MEMS) for medical, industrial, consumer goods and aerospace applications.</p> <p>Raymetrics S.A. (www.raymetrics.gr) is located at Glyka Nera of Athens, It develops, integrates and delivers solutions in the field of Laser Remote Sensing. The purpose of the company is the design, construction and sales of high-technology LIDAR instruments, devices and systems, as well as the provision of services related to these instruments.</p> <p>Keywords: Optical Materials Science and Technology, Laser Processing of Materials, Fundamental Investigations using Laser Beams, Fibre and Waveguide Optical Components, Fibre Optics Sensors, Photonic Crystals and Metamaterials, Semiconductor Photonics, Energy and Environment</p>
<p>Biotechnology</p> <p>BCD/BBS profiles ID's: to be inserted in the BBS shortly</p>	<p>The Biosciences Sector is one of the most rapidly growing technology sectors worldwide. In Greece although the sector is not yet as mature as in other European countries, it has been experiencing a vigorous development phase. At the same time, as the sector is among the main priority areas for R&D funding and is endowed with a highly skilled workforce of researchers and company executives, it presents attractive opportunities for co-operation & investment.</p> <p>Essential to the biosciences sector's recent growth are</p> <p>A) The Greek R&D infrastructure. This includes several Research Institutes, some of which are internationally renowned for their leading edge research. Characteristic examples include the Institute of Molecular Biology and Biotechnology (Foundation of</p>

	<p>Research and Technology Hellas), emphasising in basic biomedical research, the Institute Alexander Fleming and the Bioacademy Research Foundation of the Academy of Athens, with emphasis in translational research.</p> <p>B) A dynamic nucleus of R&D driven companies in the areas of pharmaceuticals, biotechnology, diagnostics, medical devices, and specialised research services. These companies are driving the sector's development in Greece, as several spin-off companies are emerging and already established or large players are increasingly pursuing international R&D collaborations for the development of competitive technology-based products. At the same time, commercial companies witness growing turnovers and the most dominant ones start investing in spin-offs and start-ups.</p> <p>A central role in the sector's development is also played the Hellenic Bio Cluster the first Biosciences cluster in Greece. HBio comprises the majority of the innovative, knowledge intensive and extrovert Greek biosciences companies. HBio (www.hbio.gr) concentrates the sector's resources and competences, fosters synergies between industry and academia and encourages technology transfer thus supporting the development of the Greek Biosciences industry, facilitating international collaborations and promoting the activities of the sector. Over 10% of the HBio companies' turnover is spent in R&D, while several companies are developing unique proprietary technologies rendering them industry leaders with worldwide exports and distribution.</p> <p>Some key subsectors of activity and key players in the Greek Biosciences sector include</p> <p>Pharmaceuticals - Drug delivery technologies (Lavipharm, Regulon), generics (Pahrmaten, Help), discovery and development of novel compounds (EIDrug, Bionature)</p> <p>Diagnostics - Novel technologies (Cambridge Biomagnetics, EMBIO), molecular diagnostics research services (Genotype, Biogenomica)</p> <p>Medical Devices – Biophotonics (ForthPhotonics), infusion pumps, telemedicine systems (Micrel)</p> <p>Specialised Services – Preclinical Drug evaluation models (Biomedcode), drug repositioning (Biovista), generics research (Lamda applied), diagnostics services for research and clinical trials (Research Diagnostics).</p> <p>Keywords:</p> <p>Links (number) of relevant BBS/BCD profiles: to be inserted in the BBS shortly</p> <ul style="list-style-type: none"> - Unique worldwide transgenic mouse models for preclinical drug evaluation services (offered to big pharma worldwide) - Novel Quantification kit for detecting circulating tumour cells (the 3rd product to be approved for this specific indication worldwide) - Advanced drug repositioning services for the Pharmaceutical & Biotech industries - Parenteral nutrition technology (market leader in various European countries) - Innovative medical device for the non invasive detection & mapping of cervical neoplasia in vivo (with significantly better performance over conventional colposcopy & cytology, used in leading European hospitals) - ELSARTAN and ELMYELIN - Novel Potential Drugs, in the Treatment of Hypertension and Multiple Sclerosis - Novel Cell Biosensors for the screening of chemical and biochemical compounds - Digital Magnetic Tagging technology for multiplex assays - Autotaxin: A new therapeutic target in chronic inflammatory disorders and cancer - Unique human cell line for Parkinson's Disease research - Large-scale solid phase peptide manufacturing - Novel CRH pathway for the treatment of inflammatory diseases - Novel technology targeted at potentiating the function of Erythropoietin (EPO) - Novel spirosteroid molecules with neuroprotective and neuroregenerative molecules - Cellular Drug Screening Assay for Targeting the Cytoskeleton in Rheumatoid Arthritis - Autotaxin: a New Therapeutic Target in Chronic Inflammatory Disorders & Cancer - Post-transcriptional Regulators (RNA-binding proteins) in Inflammation and Cancer - Drosophila models for Early Interventions for Cognitive Disorders
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	<ul style="list-style-type: none"> - HO-1/IRF-3 – a new target for Infectious and Immune Diseases - Mouse models of cancer for in vivo testing of novel therapeutics - Metabolism of peptide hormones/ drugs. Stability ranking and SAR information - Quantification of bioactive peptides/proteins by mass spectrometry: Applicability to pharmacokinetics or biomarker validation - Drug screening assays using zebrafish - A highly versatile and surgeon-friendly external osteosynthesis fixator for orthopaedic applications in long bones - Hydrophilic coating for medical devices - Design of special bio textiles and structures with extreme functionalities fatigue resistant stents, artificial grafts and surgical sutures and knots - Micro-magnetic devices with biomedical applications, cleaning arteries from thromboses - Diagnostic technique and diagnostic device for preliminary or complementary diagnosis for diabetic and cancerous tissues - Customised innovative OEM solutions - Medical device and software product dealership and support in Southeast Europe - Innovative cardiovascular products (TR)
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26. Greater London Enterprise / London Innovation Network (Enterprise Europe Network London)

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Location: London, UK.

London in itself is the smallest of the 12 regions of the UK in geographical terms, however it is the most populated and accounts for approximately 30% of the UK GDP. Its core strength is within the financial services and affiliated products and services provisions, mainly within ICT. Transaction, Forex, Analytics and data compilation systems have been primarily developed by SMEs to support the financial services industries and over time have merged or become interoperable with other industrial segments, notably security, defence, construction etc. The second most significant industry segment is that of the biotechnology and medical devices. London-academia maintains a very strong link with the industry and there are approximately 4,000 businesses (SMEs) and over 200 large corporations operating in the pharma and device segments. Overall, the strengths of the London economy lies upon ICT, Health, Security and adjacent services to these sectors including shipping, construction, international trading, energy and waste management. Although there is activity in other sectors such as materials and industrial manufacturing this is mainly associated with basic research with high academic involvement and a very strong consulting presence. So the latter mentioned segments are generally London's weakest points. Sectors such as the Agriculture and food have a very small presence and activities are limited to the regulatory and standards areas.

Web-site for further information: www.gle.co.uk

Proposed technological areas for cooperation:

[Aerospace](#), [Biotechnology](#), [Energy](#), [Energy Storage / Transport / Saving](#), [Information and communication technologies](#)

Details on directions for cooperation:

Biotechnology	Provide a framework that London businesses can provide the best of their portfolios for co-operation and also become aware and acquire new know-how from Russian organisations. Include all sub-segments such as Pharma design, pharma testing and validation, medical devices.
BCD/BBS profiles ID's:	

-	Keywords: All options open
Energy and renewables BCD/BBS profiles ID's: -	Green energy including bio-fuels, fuel cells, smart grid and other technologies and niches in the energy generation, distribution and storage
Information and communication technologies BCD/BBS profiles ID's: -	emphasis on web 2.0 and beyond, semantics, new communications technologies, new web applications, grid computing
Security BCD/BBS profiles ID's: -	Mainly ICT based applications, bias towards image processing and biometrics

27. Malta Enterprise / SiMErgies

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Location: Malta.

The Maltese Islands are a centre of quality for manufacturing and services - including maritime activities. Malta enjoys a competitive cost structure, excellent communications, is English speaking and adopts a European way of doing business.

Malta is the Southern-most part of the European Union with proximity to developing markets in North Africa and Middle East. It enjoys a diversified and strong industrial manufacturing and services base which namely includes Electronic and electrical equipment and parts; Plastic and metal products and components; Healthcare, pharmaceutical and medical products; Engineering products and related services; Consumer goods including foods and beverages; International distribution and related services to various industries (e.g. oil and gas); Shared services and Call Centres; Financial services.

The tourism industry remains an important contributor to the Maltese economy. Malta offers a diverse product, with the main attractions being its rich culture and history, sea and nightlife. Other visitors seek Malta for its diving sites, conference and incentives venues and English language schools not to mention Malta as a port of call for cruise liners with a 20% increase in arrivals during the first five months of 2008. Of important economic mention are the Filming Industry and the Freeport Terminal operations. As regards the former, Malta has a variety of unique locations that have attracted film makers for over half a century. Malta also offers excellent trans-shipment facilities and is presently amongst the key players in the Mediterranean region. It is renowned for its business culture, the relative absence of red tape, its ability to adapt quickly to changing trade patterns and has an established feeding network.

Web-site for further information: www.maltaenterprise.com

Proposed technological areas for cooperation:

[Electronics, Microelectronics, Food, Information and communication technologies, Medicine, Health](#)

Details on directions for cooperation:

<p>Food</p> <p>BCD/BBS profiles ID's:</p>	<p>Malta's agro-food industry offers cooperation opportunities. For the producers in both the cropping/horticulture sector as well as those in dairy and livestock there are wholesale markets which feed into market distribution to the retailing points. These set ups ensure supplies of the local produce to the consumer. It has been a policy design that products reach the consumer at reasonable prices but at the same time at an equitable level to the producer whereby a fair standard of living for the agricultural community can be sustained. The system also guarantees the quality and health standards in consonance with the evolving expectations of Maltese society and the needs of tourist trade.</p> <p>There are also product manufacturing lines that feed into agro-industry and processing. Such product lines are primarily:</p> <ul style="list-style-type: none"> ▪ meat and meat preparations [bacon, sausages, ham, beef and hamburgers] ▪ canning [canned whole tomatoes and tomato paste, canned and cooked fruit, peas canned or in air-tight containers] ▪ wines and beer [white, red, aromatic and sweet wines, ale, beer, stout and porter] ▪ feeds [prepared feeds for dairy, cattle, swine and sheep, poultry, rabbits] <p>Keywords: agrofood, processing, beverages</p>
<p>Information & communication technologies</p> <p>BCD/BBS profiles ID's:</p>	<p>Malta has been an established EU member state since May 2004. A stable economic, industrial and political environment, excellent language skills, a productive labour force and an attractive incentives package, are just some of the reasons why so many companies are now looking to Malta as their first choice for foreign investment. Undoubtedly, businesses locating to Malta will join a growing band of international companies in the ICT and Call Centre sectors which are already operating successfully on the island.</p> <p>Malta is a Mediterranean Island State within easy reach of other European capitals with direct flights to 37 major centres (flying times 2.5 hours and less). It is located in the Central European Time Zone – a special advantage for European-bound call centres. Malta is also a point of access for North African and Middle East markets for IT consulting and is a near-shore location, thus can relate to call-centre customers.</p> <p>The Maltese Islands have a strong skills' base which includes:</p> <ul style="list-style-type: none"> ▪ IT-oriented, hard-working and dedicated workforce. ▪ Availability of highly qualified staff, negligible attrition and low salary/wage inflation. ▪ Very strong linguistic capabilities with English as the official language for business and commerce. ▪ Italian, French and German speaking personnel also available. ▪ Established ICT and call centre business centre since the 1990s with a strong focus on technology. ▪ Favourable business environment ▪ Membership of Euro-zone and EU regulatory environment. ▪ Attractive incentives package. ▪ Well developed telecommunications infrastructure with large bandwidth and digital networks. ▪ Internet connections are based on wireless technology such as EDGE and 3.5G as well as wired technology such as DSL, cable and fibre connectivity. <p>Malta's track-record in the industry is as follows:</p> <ul style="list-style-type: none"> ▪ Member of INEC – an elite group of ICT locations. ▪ Significant presence of local and foreign ICT companies and Call Centre operators such as Crimsonwing, 6PM, HSBC Call Centre, Uniblue. ▪ Vertical strategic alliances with HP, Microsoft, IBM, Cisco, Oracle and SAP. ▪ Malta was also chosen by the developers of Dubai's Internet City for the setting up of SmartCity Malta (an IT village). ▪ Full range of inbound and outbound call centre services, including e-

	<p>commerce support.</p> <ul style="list-style-type: none"> ▪ HSBC inbound calls from high value customers in UK/EU. <p>Apart from SmartCity Malta, the most flamboyant success story of the sector is iGaming. Launched fairly quietly along with ground-breaking and highly sophisticated dedicated legislation just a few years ago, within months it was attracting some of the biggest headliners to move to Malta, including Betfair, Expekt, Unibet, Interwetten and CBM Bookmakers and today hosts 10% of all iGaming companies in the world. Respected across the world for its excellent regulatory framework and reliable infrastructure, Malta's iGaming sector is already proving its importance to the economy.</p> <p>Keywords: ICT, call centres, software, igaming</p>
<p>Medicine, health</p> <p>BCD/BBS profiles ID's:</p>	<p>The generic pharmaceutical sector in Malta continues to expand at a very healthy rate. There are currently 15 companies producing generics and between them they directly and indirectly provide employment for over 700 people. However, the economic chain is much wider and a number of cluster companies have joined the bandwagon. Today these provide essential services, such as product packaging and labelling, to the pharmaceutical companies and as the major players continue to grow, these cluster companies have also benefited.</p> <p>The production of generics especially includes pharmaceuticals, health/hospital products and health services. It is the national policy to strengthen the generic sector and build the necessary infrastructure to attract branded medicine companies and proactively offer Malta as the place for pre-clinical and clinical trials.</p> <p>Currently there is growing interest from non-European companies producing top quality generics to set up base in Malta and thus benefit from Malta's position as an EU member. Generic pharmaceutical companies believe that they will have a distinct competitive advantage within the next few years. In such a competitive industry, timing holds the key to success and Malta offers the key blend. There are two overriding reasons for the recent boom in this sector in Malta: the inclusion of the Bolar exemption into the country's patent legislation and the very limited number of patents that have been registered in Malta to date.</p> <p>In a nutshell this is Malta's track-record in the industry:</p> <ul style="list-style-type: none"> ▪ Well-established in manufacturing – especially pharmaceuticals and healthcare. ▪ Global manufacturing base for Actavis, Arrow Pharm, Siegfried Generics, Medichem, Combino Pharm, Baxter and Cardinal Health. ▪ Export-oriented economy; pharmaceuticals growing in volume. ▪ Robust patent legislation dating back to 1960s. ▪ Prime location for first-to-market launch of new generics after patent expiry. ▪ Medicines Authority able to act as an effective reference Member State. ▪ Competent and cost effective regulatory authorities for facilities audit and EU GMP certification. ▪ Clearly articulated Bolar provisions fully incorporated in legislation. ▪ Long-respected reputation for healthcare services. ▪ Local suppliers of fine chemicals, plastic, carton, blister packaging; laboratory and other support services. ▪ Inward processing relief on non-EC goods for re-packed/re-assembled exports <p>Keywords: pharma</p>

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Location: Ankara, Turkey.

BSN ANATOLIA consortium is one of the 7 EEN Consortia that are currently active in the Turkish Republic. It covers an area of 17 provinces that host 21 universities, 214 research centres, 86 institutions, over 350,000 BS students, over 60,000 MS and PhD students and around 30,000 academicians. Together with service sector there are 1,800,000 SMEs in Turkey around of that is 20% is located in the Anatolia region. METUTECH, a former IRC Coordinator, is a partner in BSN ANATOLIA. It is the first and largest science and technology park of Turkey located in Ankara hosting 240 companies, 77% of which are SMEs, with over 3300 researchers. As 60% of its companies are involved in Information and Telecommunication Technologies (ICT), METUTECH is largest ICT cluster in Turkey. Other research fields of companies are security (electronics defence) and aerospace, biotechnology and MEMS. The overall turnover of 181 companies in 2006 was 136million €, almost 40 million € of which are exported to countries like US, EU and Israel. METUTECH is the coordinator of IRC-Anatolia and RIS-Mersin projects, and participating 5 more FP6 projects, all are targeting SMEs. One of these projects, IP4Inno, coordinated by European Patent Office, is assisting SMEs in IPR issues. METU and METUTECH companies are involved in 83 FP6 projects

Web-site for further information: www.metutech.metu.edu.tr www.bsn-anatolia.org

Proposed technological areas for cooperation:

Electronics, Microelectronics, Information and communication technologies, Security

Details on directions for cooperation:

<p>Software and information technologies</p> <p>BCD/BBS profiles ID's:</p> <p>20090826030, 20090901006, 20090901018.</p> <p>09 TR 98OB 3F6C, 09 TR 98OB 3E7J, 09 TR 98OB 3E7Z, 09 TR 98OB 3E82, 09 TR 98OB 3E8Y</p>	<p>80% of METUTECH Companies are currently serving in different areas of software and information technologies. 75% of them are SMEs and many of them are looking into cooperation in terms of cooperation in research, technology development, commercial partnership and EU FP7 project collaboration.</p> <p>Main areas of activity among the ICT services can be summarized as:</p> <ul style="list-style-type: none"> - Electronic Defence (radars, simulation softwares, embedded systems, Electronic warfare, signal jamming, source detections..etc) - E-Learning Platforms, (Distance learning , virtual media, enhanced learning) - E-Government Applications (e-business, e-trade, e-health,e-finance) - Game , Animation and Simulation Technologies - Document Information Systems, Management Information Systems, Systems Security-anti hacking platforms, <p>METUTECH companies are widely involved in many international projects. They are very adaptive, capable and motivated about further improvements in their collaborations. Most of the companies have no language barrier and software development costs and time to deliver are a fraction of those of the Western Europe software industries. METUTECH companies deliver what is needed, when it is needed and how it is needed. Various of the companies carry many Quality Assurance certificates. 2 companies already hold the international software standard CMMI LEVEL 5 and 2 more hold CMMI LEVEL 4 standards.</p> <p>Companies are looking into interaction with international partners.</p> <p>Keywords: electronics, satellite electrics,software, defence, e-learning,simulation, animation, security, embedded systems, virtual media...etc</p>
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29. Oseo / Enterprise Europe – South West France (PIC SOF)

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Location: France / South West : Aquitaine, Limousin, Midi-Pyrenees, poitou Charentes.

South West France regions gather 8,5 millions inhabitants. Further information ont the regions can be found at:

Midi-Pyrenees: <http://www.midipyrenees-expansion.fr/page1180.htm>

Aquitaine: <http://aquitaine.fr/en/spip.php?article10>

Poitou-Charentes: http://www.western-france.org/wf_clusters.html

Limousin: <http://www.limousin-expansion.fr/index.php/en/>

More details on potential EU RF collaboration domains can be found under Direction/Section 2 below

Web-site for further information: <http://www.entreprise-europe-sud-ouest.fr/sfx/about/about.asp?ContentID=02&BackTo=0&savemsg=&CustomMessage=>

Proposed technological areas for cooperation:

Aerospace, Agrofood Industry, Biotechnology, Electronics, Microelectronics, Environmental Protection (including climate change), Energy, Energy Storage / Transport / Saving, Food, Information and communication technologies, Industrial Manufacture, Material Technology and new Production Technologies, Medicine, Health, Nanotechnologies and Nanosciences

Details on directions for cooperation:

<p>Energy – Environment / Food / ICT / Life sciences & Technologies / Materials technologies - industrial products</p> <p>BCD/BBS profiles ID's:</p>	<p>62 technology profiles and 24 commercial profiles have been selected by consortium partners :</p> <p>Energy - Environment 8 Food 14 ICT 9 Life sciences & Technologies 13 Materials technologies - industrial products 42</p> <p>Collaborations are either focussing on research, innovation/technology or trade agreements.</p> <p>Keywords: Energy – Environment / Food / ICT / Life sciences & Technologies / Materials technologies - industrial products</p>
<p>French local clusters : a picture of local research&innovation activities as basis for transnational activities</p> <p>BCD/BBS profiles ID's:</p>	<p>The following links present technology domains where the regions has a strong know how including in transnational collaborations:</p> <p>Aerospace: http://www.aerospace-valley.com/en/projects/cooperative-projects.html Lasers industry: http://www.routedeslasers.com/en/industry.html Laser research: http://www.routedeslasers.com/en/research.html Cancer Bio Health: http://www.cancerbiosante.fr/Cancer-Bio-Health-cluster.html?lang=en Ceramics: http://www.cerameurop.fr/spip.php?rubrique113</p> <p>Keywords: Health / Ceramics / Aerospace / Lasers</p>

30. Steinbeis-Europa-Zentrum / BW-Europe

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Location: Baden Württemberg, Germany

Strengths:

- Leading economic and technological region
- R&D – ‘employment density and patent intensity’
- Strong lead sectors: mechanical and electro- engineering, ICT/software, optics
- Innovative growth industry: Health Care.

Weaknesses:

- Decentral and heterogeneous economical position
- Pronounced dominance and dependence of SME by lead sectors
- As well as by Export and world business cycle
- Innovation weakness of SME’s
- Uneven distribution of R&D capacities
- R&D dominance by big players
- Lack (intransparency) of innovation financing for SME’s

Web-site for further information:

Proposed technological areas for cooperation:

Medicine, Health

Details on directions for cooperation:

<p>Healthcare / eHealth</p> <p>BCD/BBS profiles ID's:</p>	<p>Healthcare / eHealth</p> <ul style="list-style-type: none"> • Some of the global players in the software industry (IBM, Hewlett Packard, SAP, Alcatel Lucent) are located in Baden-Wuerttemberg and maintain own R&D centres in this region. For example, the IBM R&D centre in Boeblingen with about 1,700 experts in hardware and software technologies is one of the biggest IBM centres worldwide. • Backbone of the eHealth industry in Baden-Württemberg is the innovative SMEs. Many of them already follow an open innovation strategy and cooperate with partners intra- and inter-regionally (e.g. ICW). • Many IT-specialists and skilled workers with a high level of know-how and competences are generating new ideas and innovations in the companies. Furthermore, the ample resources of specialist workers in Baden-Wuerttemberg demonstrate the region’s opportunity to perform a good future development. • The economic landscape in Baden-Württemberg (a lot of global players / MNCs such as Philips, IBM) provides a strong and powerful client base for eHealth -companies. • The region has a well-established infrastructure for R&D and education. With the high number of excellent universities and research centres and with more than 220 different courses at universities and colleges, Baden-Wuerttemberg is one of the leading locations in Europe for R&D and education in eHealth. • The ICT and esp. ICT for Health care industry is characterised by a strong science-industry collaboration in the field of education (higher education in “profession academies” in a “dual mode”) and Research, Technological Development and Innovation (e.g. Fraunhofer or Contract Research Institutes • There are strong ICT and Health networks, clusters and cluster initiatives in Baden-Wuerttemberg. With several clusters already existent in Baden-Wuerttemberg, a high potential of innovation and mutual creative insemination is available for the region. • Excellent public image of the quality of products (“Tuttlingen trademark quality”, “made in Germany”) • Extremely well developed and flexible supplier structures • Many global leaders and prosperous SMEs • Unique infrastructure in the field of metal machining and metal processing optonics (Carl Zeiss)
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	<ul style="list-style-type: none"> Enormous experience of the sector constitutes implicit knowledge <p>Keywords:</p>
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31. TEKEL (Finnish Science Park Association) / Enterprise Europe Network, Finnish consortium

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Location: Finland.

Finland was part of Sweden until 1809, then autonomous grand duchy within the Russian empire. It has been independent since the 6th of December, 1917. The political system is a parliamentary republic with several parties and usually with coalition governments.

Finland joined the European Union (EU, former EEC or EC) the 1st of January, 1995, and is part of the Economic and Monetary Union (EMU), too. Since March 2002, the euro is the only valid currency.

Major exports: Electronic and electrical products, pulp and paper, machinery and equipment, metal products, transport vehicles, timber and wood, chemicals.

<http://finland.fi> -- website on a variety of aspects related to Finnish society, produced by the Ministry for Foreign Affairs of Finland and published by the Finland Promotion Board

<http://www.visitfinland.com/> --the official travel and tourism portal of Finnish Tourist Board

http://www.stat.fi/index_en.html --official data from the main centre for statistical information, Statistics Finland

Web-site for further information: www.yrityssuomi.fi, www.yrityssuomi.fi/yrityseurooppa

Proposed technological areas for cooperation:

Information and communication technologies, Industrial Manufacture, Medicine, Health, Other Technologies (materials, optics, fish farming, machinery, simulation and modelling, building, transport and logistics)

Details on directions for cooperation:

<p>Life Sciences, medicine, health</p> <p>BCD/BBS profiles ID's:</p>	<p>Each profile is a description of a specific expertise, for which collaboration is sought. In the list of the relevant BBS profiles below, the main profile-specific types of collaboration and requirements for partners are described.</p> <p>Keywords: diagnostics, biomaterials, drug development, therapeutics Fibre reinforcement technology for dentistry(08 FI 3012 0J59) --> The company seeks companies that would like to explore the potency of fibre reinforcement with their own dental products and expertise. Partners among dental clinics & laboratories are also invited to technical and/or commercial co-operation.</p> <p>Transparent pressure dressing for paramedics, first aid and emergency services.(09 FI 3011 3CTX) --> Partner in anaesthesia or emergency operations is sought for commercial cooperation requiring technical consultancy.</p>
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	<p>Overall airway management tool for hospitals and rescue services(09 FI 3011 3CTW) --> Partner in anaesthesia or emergency operations is sought for commercial cooperation requiring technical consultancy.</p> <p>Stem cell therapy treatment for tendon and ligament injuries in horses(09 FI 3010 3EOT) --> The product is already on the market in Scandinavia and the company is looking for equine veterinary clinics for co-operation from other market areas.</p> <p>A novel opioid for spinal analgesia(09 FI 3010 3DY9) --> Drug and pharmaceutical companies are sought for license and further development.</p> <p>An improved PCR method for amplification of repetitive DNA sequences forming secondary structures(09 FI 3010 3DY6) -->Diagnostics companies are sought for license and further development.</p> <p>Method to guide optimal therapy choice in breast cancer(09 FI 3010 3DFA) --> Diagnostics companies are sought for license and further development.</p> <p>Novel topical drug product for atopic dermatitis and psoriasis(09 FI 3012 3DTD) The company seeks industrial partners for phase 3 development and product commercialization.</p> <p>An improved method for prothrombin time (PT) measurement in oral anticoagulation therapy (OAT) patients(09 FI 3010 3CTD) --> A diagnostics company is sought for license.</p> <p>New fibre-reinforced composite for cranio-maxillofacial (CMF) and for next generation dental implants(09 FI 3010 3CMB) --> A company that is interested in further research collaboration and/or licensing is sought.</p> <p>ADME studies for drug discovery and development(09 FI 3011 3CHS) --> Partners are sought for technical cooperation.</p> <p>A tool to predict osteoporotic fractures(08 FI 30h9 2RXD) --> Diagnostics companies interested in licensing this patented invention are sought.</p> <p>A novel method to prevent hemorrhagic complications of thrombolytic therapy of blood clots(08 FI 30h9 2RXE) --> Drug development companies are sought for joint R&D and licensing.</p> <p>Myotilin, a new filament protein expressed in striated and cardiac muscle(08 FI 30h9 1N6Q) --> The research group wishes to cooperate with biotech/pharmaceutical companies ready to sell and produce the antibodies and/or conduct R&D with myotilin protein.</p> <p>Method for determining oxidised low-density lipoprotein (LDL) in a serum sample(08 FI 30h9 1N6O) --> A company operating in diagnostic industry is sought for further development, marketing and selling.</p> <p>Ultra small, needle-like electrode array for electrical and chemical measurements/stimulation(09 FI 3011 3EUO) --> Industrial partners (pharmaceutical companies, diagnostic device manufacturers, life science instrumentation industry) are sought for licensing and/or for joint development into a specific application.</p>
Industrial processes,	Each profile is a description of a specific expertise,for which collaboration is sought. In the list of the relevant BBS profiles below, the main profile-specific types of

<p>monitoring and measuring technologies</p> <p>BCD/BBS profiles ID's:</p>	<p>collaboration and requirements for partners are described.</p> <p>Keywords: sensor technology, monitoring, timber processing and other process industry, recycling</p> <p>Failure detection, isolation and recovery technology with diverse applications(08 FI 3012 0J5P) --> Having successfully applied this technology in space projects, the company now looks for industrial and commercial partners for new applications.</p> <p>Extremely sensitive and selective gas analysis from low sample volumes in demanding environments(08 FI 3012 0J5M) --> Partners are sought to develop further applications and to exploit existing know-how.</p> <p>Automatic online water quality and quantity monitoring in field conditions(09 FI 3011 3F2C) -->The company is looking for commercial agreements with technical assistance.</p> <p>Wireless noise monitoring systems for industry, communities, military, airport, traffic, energy production and mining applications(08 FI 3011 0JER) --> Commercial agreements are sought.</p> <p>Wireless vibration monitoring systems for earth work, bridge construction, energy production and manufacturing plants(09 FI 3011 3COF) --> Partners offering vibration monitoring systems and model-based analysis software are sought for commercial cooperation requiring technical consultancy.</p> <p>Wireless noise monitoring system manufacturer is looking for development partners(08 FI 3011 0JF6) --> The company is looking for noise consulting experts and developers of noise reporting software.</p> <p>Enterprise Resource Planning (ERP) Service entity with ultramodern mobile, Internet and map services for bioenergy and forest business operations.(09 FI 3011 3CN7) --> Companies investing in biomass utilization are wanted for customising and vendors. Also licensing is offered.</p> <p>Homogeneity sensors for process industry, such as pulp and paper, mining, pharmaceutical, petrochemical and food industries.(09 FI 3011 3D10) --> Industrial partners interested in further development, companies to test new applications and companies for customer service are sought for commercial cooperation with technical consultancy.</p> <p>Phase interface sensors for process industry, such as pulp and paper, pharmaceutical, petrochemical and food industries(09 FI 3011 3D2K) --> Industrial partners for further development, companies to test new applications and to help customers are sought for commercial cooperation with technical consultancy.</p> <p>Gloss based surface analysing devices for quality control(09 FI 3011 3D3R) --> Industrial partners interested in further development, companies to test new applications and companies for customer service are sought for commercial cooperation with technical consultancy.</p> <p>Timber compression drying device and timber drying process monitoring and control technology for companies manufacturing products made of wood(09 FI 3011 3D7Q) --> The company is looking for mechanical timber processing maintenance companies, furniture and parquet manufacturers and investors. Technical and commercial cooperation is sought.</p>
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	<p>A service platform and an application framework for controlling fieldwork(09 FI 3011 3DAL) --> The company is looking for partners offering software to target customers. Commercial and technical cooperation is sought. The service is targeted especially for companies operating in the following sectors: energy, electricity and heating, maintenance and service.</p> <p>Washing and disinfection expertise and machines for meat, dairy, bakery and pharmaceutical industry(09 FI 3011 3DD0) --> The company is looking for partners (manufacturer of washing machines, distributor of abattoir machinery, distributor of machinery to food and pharmaceutical industry) interested in assembly, distribution, installation, maintenance and technical support to end users. Commercial and technical cooperation or licensing is sought.</p> <p>Process and manufacturing line modelling and optimization tools for machinery and process industries(09 FI 3011 3DIE) --> Partners for new simulation projects and testing new applications are sought for commercial and technical cooperation. Area of activity of the potential partner: process, forest, power, machinery and pharmaceutical industries; chemical engineering.</p> <p>Toxicological, preclinical and risk assessment expertise and services for pharmaceutical, biotechnology, food and chemical industries, and authorities(09 FI 3011 3EDM) --> The company has carried out process line simulation projects for machinery and paper industries. Partners for new simulation projects and testing new applications are sought for commercial and technical cooperation.</p> <p>Extremely precise in air operable positioning system for nanotechnology, lithography, metrology and semiconductor industry(09 FI 3011 3EE4) --> The company is looking for partners to exploit the technology in industrial applications. Technical and commercial collaboration with technical assistance is sought.</p> <p>Sustainable method for battery recycling(09 FI 3011 3EUP) --> The company is looking for license agreements and commercial agreements with technical assistance. Partners sought: Recycling companies, producers of WEEE (Waste Electrical and Electronic Equipment), manufacturers of batteries and accumulators, manufacturers of electric and hybrid cars</p> <p>Portable impulse radar for short-range detection of sub-surface objects and interfaces(08 FI 3012 0J8F) --> The company is looking for industrial partners (eg building industry) and research institutes interested in further development, especially image processing and testing of new applications.</p> <p>Transportable unit for recycling of electrical and electronic scrap(09 FI 3012 3E3O) --> Company is looking for technological and commercial partnerships from recycling industry for further development of the solution.</p> <p>Microwave Sensor and Measurement Technology(08 FI 3012 0J3D) --> Partners (such as manufacturer of industrial sensors; manufacturer of scientific sensors; manufacturer of consumer sensors; manufacturer of medical equipment; process industry) are sought to exploit the existing know-how and to develop further applications.</p> <p>High-standard debarking process optimization system equipped with an on-line-measurement system(09 FI 3010 3DU7) --> The potential partner should be well-experienced in paper and pulp industry as well as sawmill markets and measuring technology.</p>
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	<p>A unique all welded plate heat exchanger with advanced production technology(09 FI 30I0 3DF7) --> Company is looking for process component manufacturing companies preferably with own product for license or commercial agreement in which both the product and manufacturing technology is transferred.</p> <p>Bluetooth temperature sensor accessory for PCs and mobile phones(09 FI 30h9 3CX7) --> The product can be easily further developed to include other type of sensors and switches. A partner to produce and market, or to take full ownership of the developed product is sought.</p>
<p>Materials</p> <p>BCD/BBS profiles ID's:</p>	<p>Each profile is a description of a specific expertise,for which collaboration is sought. In the list of the relevant BBS profiles below, the main profile-specific types of collaboration and requirements for partnes are described</p> <p>Keywords: polymeric resin, borosilicate glass, textiles, composites</p> <p>Non-combustible ceramic-polymeric resin systems and coatings for fire-safe or high temperature composites, high voltage electronics and construction applications(09 FI 30I1 3D7L) -->The company seeks industrial partners (special resin manufacturer or end user of resins) interested in further development and testing the products in different applications, as well as investors.</p> <p>Methods and equipment to re-cycle and colour borosilicate glass(09 FI 30I1 3D9A) (Technology Rerquest) --> The company is looking for technology and equipment to recycle and colour borosilicate glass. Commercial and technical cooperation is sought.</p> <p>Technology to modify technical textiles to result in porous composites.(09 FI 30I1 3DW8) (Technology Request) --> The company is looking primarily for industrial scale technology, but also technologies passed the laboratory phase can be considered.</p> <p>Innovative Composite Technology for Lightweight Armours in Military Vehicles(09 FI 30I2 3DSM) --> Company is looking for co-development partners who could integrate this solution into existing production lines in security, military and defense vehicles.</p>
<p>Information and communications technologies, software</p> <p>BCD/BBS profiles ID's:</p>	<p>Each profile is a description of a specific expertise,for which collaboration is sought. In the list of the relevant BBS profiles below, the main profile-specific types of collaboration and requirements for partnes are described.</p> <p>Keywords: ICT, internet technology, mobile technology, wireless networks</p> <p>Fast Internet communication method specially for Governments and Cities to handle emergency messages through web pages interactively even via mobile devices(08 FI 30I3 0J6I) --> The company is seeking a deal which is agreed on the license basis or respectively. Probably further development on the system is needed by partners for local market areas.</p> <p>Mobile Device Management solution for businesses that manages mobile devices remotely and transparently Over-The-Air (OTA)(08 FI 30I1 0J94) --> Partners (Service Providers (ASP, MSP) and System Integrators) are sought for licence agreement and technical co-operation</p> <p>Quality of service measurement tool(09 FI 30I1 3F2J) --> Operators, network administrators and software developers are searched for technical or commercial cooperation.</p>

	<p> Converging networks laboratory - Testbed for service enablers(09 FI 3011 3F2F) --> This research centre is looking for companies (operators, network administrators, service providers, service developers, network equipment manufacturers) who need proof of concepts, prototypes, short-medium term research projects or R&D implementations. </p> <p> Next generation radio network planning software and global network planning services(09 FI 3013 3E51) --> The company is looking partners (mobile phone operators, equipment vendors, telecommunication authorities and service providers) for licensing and for utilizing this technology. </p> <p> Targeted Marketing Tool Integrating Multiple Communication Channels in Dictionary-like Format(09 FI 3012 3E28) --> Partners for further development of the media concept are sought from advertising & media companies, specialized in tourism, event & place promotion activities. </p> <p> Open source based Identity Management(09 FI 30h9 3E24) --> Industrial and academic partners are sought for testing and deploying novel open source identity management systems, and further development of the technology </p> <p> Payroll software developers are sought for cooperation(09 FI 3011 3DRS) (Technology Request) --> This company seeks to enhance its offering and is looking for co-operation with companies active in the area of payroll software development. </p> <p> Photogrammetric software for digital aerial imagery rectification and mosaicking(09 FI 3012 3DQ8) --> The company looks for industrial and commercial partners in software, earthwatch or space fields, interested in further development and commercialisation of the software. </p> <p> Mobile time attendance and work management system(09 FI 3011 3DPH) --> Company is looking for facility management service providers interested in licensing and/or further adaptation. </p> <p> Advanced Internet-TV Information & Entertainment Solution For Hotels(09 FI 3012 3DLA) --> Company is looking for potential technology and sales partners. Especially the company is looking for a TV or an IPTV set-top-box manufacturer that could assist in the process of creating a completely integrated solution. </p> <p> Advanced face image analysis technologies(09 FI 3011 3DDD) --> Partners are sought for technological cooperation, for example mobile phone or other OEM/ODM handset platform providers, camera platform providers and application developers. </p> <p> Improving wireless local area networks (WLAN) by end-user quality monitoring(09 FI 3011 3CK4) --> The collaboration could be licensing, technical cooperation or commercial agreement with technical assistance. The partner could be end-user of large corporate networks, designer of WLAN solutions to end-users or a company who manages business critical WLANs. Some examples of application areas are logistics, hospitals, manufacturing, production and Enterprise VoIP. </p> <p> Advanced GPS repeater for indoor or covered space(09 FI 3010 3CM1) </p>
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	<p>--> Company seeks partners for license with experience in GPS markets and technology. Partners are also sought for distributing the product and/or developing new applications.</p> <p>Expertise in Demanding RF and EMC Design areas(09 FI 3011 2S6K) --> Partners are sought for technological co-operation in EMC and RF Design areas.</p> <p>72. Carrier-grade technological platform for testing and developing mobile applications and technologies.(08 FI 3011 0J9H) --> This mobile virtual network operator (MVNO) is looking for partners, who are interested in developing and testing wireless applications, services and technologies; partners who need a closed mobile operator-like environment for testing their mobile applications and technologies.</p> <p>OTHERS: OPTICS, OPTOELECTRONICS, MACHINE VISION Tools and services for machine vision, pattern recognition and generic machine learning(09 FI 3011 3D3J) -->Industrial partners (automation companies of process industry) for further development and companies for testing new applications are sought for technical and commercial cooperation.</p> <p>Expertise in integration and assembly of devices based on optics and fiber optics(09 FI 3011 3CO3) --> Device and system manufacturers interested in optical, optomechanical and fiber optical solutions and expertise are sought for technical and commercial cooperation.</p> <p>Optical devices and applications utilizing optical fibres and fibre bundles(09 FI 3011 3D90) (Technology Request) --> The company is looking for partners having applications and equipments which can utilize optical fibers and fiber bundles in their design. Commercial and technical cooperation is sought.</p> <p>FISH FARMING Recirculation technology for efficient indoor fish farming(09 FI 3011 3DIH) --> Companies active in aquaculture and in indoor fish farming business are sought for technical and commercial cooperation are sought.</p> <p>Multi-purpose feeding and control systems for fish farming(09 FI 3011 3DIL) --> Fish and shrimp farming and aquaculture industry partners are sought for technical and commercial collaboration with technical assistance.</p> <p>MACHINERY Mechanical Peat Harvester for Milled Peat(09 FI 3011 3ED4) --> Partners among milled peat harvesters (for energy, horticulture or farming purposes) are sought for commercial collaboration with technical assistance.</p> <p>SIMULATION AND MODELLING Acoustics and ultrasound simulation and modelling expertise and services(09 FI 3011 3EDF) --> Partners (eg machine manufacturer, audio acoustic industry, medical ultrasound technology) for technical and commercial co-operation with technical assistance are sought.</p> <p>BUILDING Eco-friendly Bedrock building concept(09 FI 3012 3EQU) --> The company is looking for partnerships for licensing the patented technology to construction and engineering companies.</p> <p>Pellet burning technology to be integrated to fireplaces and ovens(08 FI 3013 27GU)</p>
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	<p>--> Commercial co-operation with technical assistance and licensing is sought with a manufacturer of fireplaces who wants to integrate the use of pellets to their heating solution. Also companies interested in pellet equipment and clean energy solutions are sought.</p> <p>Method and equipment to produce visual effects and artistic living lights(08 FI 3013 OJBP) --> The company is seeking licensors for this technology. Co-operation in technology provider based model is also considered. Possible partners are: manufacturers of the electric appliances, for example manufacturer of electric fireplaces. Lighting industry; manufacturers and designers.</p> <p>TRANSPORT AND LOGISTICS Real-time scheduling and dispatching systems for passenger and goods transport(09 FI 30h9 3DIU) --> This innovation provides complete systems to address all the needs of taxi companies, local authorities, bus companies – any transport operator or provider. The company is looking for partners to adapt the system to new countries, as well as R&D partners related to new innovations and new target countries in the field of transport telematics and wireless communication.</p> <p>OTHERS: A Finnish law firm is looking for law / consulting companies in other countries, to act as a subcontractor / consultant in operating in Finland and/or doing business with Finnish companies.(BCD profile ID 20081205018)</p> <p>A Finnish manufacturer of very modern top-quality furniture is looking for an agent to help them make the contacts to potential resellers. The company has Russian language skills. (BCD profile to be validated)</p>
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