



MIS&S



## **INFO EDITION No. 4, 2015**

National Contact Point for Research Infrastructures  
(RIs) in Russia

The National University of S&T MISIS

# CONTENT

- I. Guide on Innovation Stimulation Instruments of the Russian Federation published
- II. Norway publishes Roadmap for Research Cooperation with Russia
- III. Russia to increase fundamental research financing to 2 billion USD in 2016
- IV. Funding of Russian participants in Horizon 2020
- V. Start-up village, Skolkovo
- VI. The 9th International Biotechnology Forum - exhibition "RosBioTech - 2015"
- VII. Moscow State University among Top 5 Most Prestigious in Europe
- VIII. FAIR and JINR conclude contract on the construction of magnets for particle accelerator
- IX. Panasonic Robot Library to be tested in SPbU
- X. Contact information

## **I. Guide on Innovation Stimulation Instruments of the Russian Federation published**

This Guide on Innovation Stimulation Instruments of the Russian Federation presents short descriptions of the various instruments available in the Russian Federation today for supporting innovation activities. The guide provides information on the type of instruments, the support available, application procedures, cooperation opportunities for partners from the EU, and contact details. In this light, the guide aims at facilitating the utilisation and implementation of research results achieved among researchers from Russia and the EU. The guide is particularly targeted at public and private actors from the EU and aims to provide them with information on Russia's portfolio of innovation stimulation instruments.

The guide was prepared in the framework of the EU FP7 project "BILAT-RUS Advanced: Advancement of the Bilateral Partnership in Scientific Research and Innovation with the Russian Federation". Experts from the Centre for Social Innovation (ZSI), the Russian Technology Transfer Network (RTTN), the Foundation for Assistance to Small Innovative Enterprises (FASIE), the International Centre for Innovations in Science, Technology and Education (ICISTE) and the Foundation for Research and Technology Hellas (FORTH/PRAXI Network) collaborated to produce this publication.

Source: [http://bilat-rus.eu/media/Russian\\_Innovation\\_Stimulation\\_Instruments\\_2015.pdf](http://bilat-rus.eu/media/Russian_Innovation_Stimulation_Instruments_2015.pdf)

## II. Norway publishes Roadmap for Research Cooperation with Russia



The Research Council of Norway has drawn up roadmaps for cooperation with eight priority countries outside of the EU/EEU: Brazil, Canada, China, India, Japan, Russia, South Africa and the US.

The roadmaps contain background information about the research policy and the research and innovation systems in the priority countries, Norway's cooperation with these countries, and an assessment of areas of and opportunities for cooperation.

The roadmaps are intended to provide a basis for setting priorities and encourage more targeted cooperation with the selected countries.

Russia is an important priority country for Norway, especially in terms of the countries' common strategic interests in the northern areas. The following research fields are especially relevant for cooperation: polar research, marine research, petroleum, social science and the humanities, health, nuclear physics, space research, nanotechnology, aquaculture and marine technology.

More information: <http://www.increast.eu/en/111.php>

### III. Russia to increase fundamental research financing to 2 billion USD in 2016

The Russian Government will scale up fundamental research financing to 135 billion RUB (~ 2 billion USD) in 2016, Prime Minister Dmitry Medvedev said in December 2015.

It is impossible to support strong and efficient economy without achievements in the field of science and technology, the prime minister said at the ceremony of granting Cabinet awards in science and technology in 2015. "Talents growing in our country have prospects and opportunities for implementation," Medvedev added.

Thirteen groups of scholars received Cabinet Science and Technology Awards this year and four more awards were presented to young scientists.

Awards were given for innovative structures of power plants pumping equipment, development of microwave diagnostics software and hardware, diamond deposits subsurface mining systems, sparingly alloyed high-strength steel technology, environment-friendly gasoline production technology, cabbage hybrids, environmentally pure drilling technologies and equipment, chronic pancreatitis treatment methods, competitive welding equipment, high-energy satellite platform, multirole patrol vessels, microcircuits for smart cards, and two-range compact onboard radar.

More:

<http://tass.ru/en/science/843031>

## IV. Funding of Russian participants in Horizon 2020

Russian organizations and enterprises are able to team up with their European partners to participate in projects under Horizon 2020 and make the best use of Europe's excellent opportunities in research and innovation. Russian researchers and organizations are encouraged to participate in all actions of Horizon 2020 as consortium members and take part in the proposal submission to the European Commission.

To support Russian participation in Horizon 2020 actions and in view of the fact that participants from Russia are no longer automatically funded by the EU, the Ministry of Education and Science of the Russian Federation publishes dedicated calls to offer funding support for Russian Horizon 2020 participants in accordance with its own call procedures (Russian Federal Program (FTP) "R&D in Priority Areas of Development of the Russian S&T Complex 2014-2020"). Russian applicants to these calls will have to provide a document acknowledging their participation in the consortium of the joint Horizon 2020 proposal, submitted under the Horizon 2020 call.

The Ministry of Education and Science of the Russian Federation has established a functional mailbox [horizon2020@mon.gov.ru](mailto:horizon2020@mon.gov.ru) to which the Russian scientific community may send enquiries about support available in Russia for participation in Horizon 2020.

In addition, the Russian Foundation for Assistance to Small Innovative Enterprises (FASIE) may be able to support the participation of small innovative Russian enterprises in Horizon 2020 projects on a case-by-case basis according to its own funding rules.

More: <http://www.kooperation-international.de/en/detail/info/funding-of-russian-participants-in-horizon-2020.html>

## V. Start-up village, Skolkovo

StartUp Village is a key initiative of the Skolkovo Foundation - a non-profit set up to create an ecosystem of innovation in Russia and integrate it into the global innovation process. Startup Village brings together startup communities from across Russia and neighboring countries. Only in its third year and yet already a fixture on the European startup calendar Startup Village matches investors with innovators in an open-air festival of entrepreneurship. Held over two summer days (2-3d of June 2015) at the Skolkovo Hypercube, Startup Village incorporates lively debates, interactive startup exhibitions, and the startup pitch sessions.

More: <https://startupvillage.ru/en>



## VI. The 9th International Biotechnology Forum - exhibition "RosBioTech - 2015"

The 9th International Biotechnology Forum -exhibition "RosBioTech - 2015" will be held in Moscow, on October 28-30, 2015. The Program will include:

- ✓ PLENARY SESSION: "Bio-industry as a solution to problems of import substitution in agriculture, industry and health care of the Russian Federation,
- ✓ The concluding conference of the Ministry of Education and Science of the Russia on priority "Life sciences FTP 2014-2020,
- ✓ The International S&T Forum "Green Economy - quality of life and active longevity",
- ✓ III International Conference "Biotechnology in the diagnosis, treatment and rehabilitation of socially significant diseases",
- ✓ Teleconference Moscow - Philadelphia US-Russia teleconference on biotechnology in agriculture, medicine and pharmaceuticals,
- ✓ Functional food and its role in ensuring balanced nutrition of the population of Russia,
- ✓ Youth Scientific and Practical Conference "Innovation and inventions of young scientists in the field of life sciences",
- ✓ Presentation of innovative projects and developments Technology Platform "Food technology and processing industry AIC - healthy food ",
- ✓ Meetings, discussions , lectures, exchange of experience on the development strategy of pharmaceutical industry of the Russian Federation for the period up to 2020 "Pharma 2020".

More information: <http://www.rosbiotech.com/>



## VII. Moscow State University among Top 5 Most Prestigious in Europe

Moscow State University was included in the list of the most prestigious universities of Europe compiled by Thomson Reuters.

MSU was ranked fifth in the reputation rating of European institutions of higher education, TASS reports.

The opinions of several thousand scholars were taken into account in compiling the rating. British universities topped the list, with Cambridge, Oxford and the Imperial College of London claiming the first three spots in the ranking. They were followed by Swiss Federal Institute of Technology (ETH Zurich) in fourth place and MSU in fifth.

Source: <http://ruskiymir.ru/en/news/190497/>

## **VIII. FAIR and JINR conclude contract on the construction of magnets for particle accelerator**

At the end of February 2015 FAIR GmbH and the Joint Institute for Nuclear Research (JINR) concluded an agreement on the construction of 300 magnets with various constructions, each weighing several tons. The magnets are to be used in the large-scale ring accelerator SIS 100 at Mega science project FAIR. They are part of the high-tech contributions in kind from Russia for FAIR. After their completion the magnets will undergo extensive testing in Dubna prior to their deployment at FAIR.

The superconducting magnets were designed by GSI Helmholtzzentrum für Schwerionenforschung and are based on joint development work with JINR over a period of many years. They are the central components in the ring accelerator SIS 100 and keep the particles, which travel close to the speed of light, in their orbit. In the development of the superconducting magnets it has been possible to unite two technologies for the first time. The magnets are fitted with superconducting cables, which allow for a very fast change in the magnetic field. At the same time the vacuum chambers into which the particle beams are fed are cooled to almost minus 273 degrees Celsius. For only so can the maximum magnetic field be created within half a second and at the same time the necessary vacuum, of one billionth of the ambient pressure, be attained. Under these conditions it is possible to accelerate very heavy atomic nuclei virtually to the speed of light.

Source:

<http://www.kooperation-international.de/en/detail/info/funding-of-russian-participants-in-horizon-2020.html>



## **IX. Panasonic Robot Library to be tested in SPbU**

In April 2015, St. Petersburg State University (SPbU) and Panasonic Corporation signed an agreement on initiating an important project — a trial operation of the Robot Library for archiving and storing big databases on the optical discs. Panasonic development offers a reliable information storage system for up to 50 years and provides high-speed options for retrieving, transmitting and recording data. SPbU is to integrate the Robot Library in its IT-infrastructure. The results of the trial operation will enable the Panasonic engineers to optimize the library to introduce it into the mainstream use in the Russian educational institutions.

The SPbU Robot Library is a unique project by higher education standards in Russia. Only SPbU can boast this technology for big data storage. The Robot Library, developed by Panasonic, one of the biggest business-partners of SPbU, provides with an opportunity to store and efficiently use big databases in digital format during the next several decades: digital recourses, recordings of lectures, thesis defense, presentation materials, multimedia products and others.

Source: [http://eng.spbu.ru/news/?read\\_news\\_id=2403](http://eng.spbu.ru/news/?read_news_id=2403)





# Research Infrastructures NCP Contact information

Dr. Marine Melkonyan (Coordinator)

Research Infrastructures NCP

National University of Science and Technology MISIS

119049 Moscow, Leninsky prospect, 4

Tel.: +7 9167079257

Fax.: +7-499-236-21-05

E-Mail: [fp7-infra@misis.ru](mailto:fp7-infra@misis.ru);

Web: [fp7-infra.misis.ru](http://fp7-infra.misis.ru)