



MIS&S



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*National Contact Point for Research Infrastructures (RIs) in Russia  
The National University of S&T MISIS*

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## THE Ira SME 19-TH CALL

The Ira SME 19-th call for proposals is organised and funded by national & regional ministries & agencies participating in the Ira SME network through their existing funding programs.

**The participating countries/regions in this call:** Austria, Belgium – Flanders, Belgium – Wallonia, Germany, **Russia**, Czech Republic (to be confirmed), France - Hauts-de-France (to be confirmed)

**Deadline for Russian applicants: 10.04.2017**

The following application documents are mandatory:

- **Guidelines for Applicants**

([http://www.ira-sme.net/fileadmin/Downloads/Call\\_Documents/19th\\_Call/Guidelines\\_for\\_Applicants\\_19th\\_IraSME\\_Call.pdf](http://www.ira-sme.net/fileadmin/Downloads/Call_Documents/19th_Call/Guidelines_for_Applicants_19th_IraSME_Call.pdf))

- **Ira SME Application Form**

([http://www.ira-sme.net/fileadmin/Downloads/Call\\_Documents/19th\\_Call/Proposal\\_application\\_form\\_19th\\_IraSME\\_call.pdf](http://www.ira-sme.net/fileadmin/Downloads/Call_Documents/19th_Call/Proposal_application_form_19th_IraSME_call.pdf)) completely filled electronically and in English.

It is important for all candidate project partners to consult with their respective agencies during the preparation of the proposal to secure compliance with the applicable national and regional criteria.

**Important national rules (Russia):** Only small enterprises (< 100 employees) are eligible, research organisations only as subcontractors.

**Funding Agency for Russia:** Foundation for assistance to small innovative enterprises (FASIE), [www.fasie.ru](http://www.fasie.ru)

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**More information:** <http://www.ira-sme.net/calls/current-call/>



## **GREEK-RUSSIAN CALL FOR PROPOSALS FOR JOINT R&D PROJECTS ON QUANTUM TECHNOLOGIES**

### **Priority research areas:**

- Quantum Nanoelectronics
- Quantum Computing and Communication
- Quantum Metamaterials
- Nanophotonics

**Deadline: 07.04.2017**

**Funding support** will be given to each partner by its own implementing organisation (GSRT for funding recipients from Greece and the Ministry of Education & Science of Russian Federation for funding recipients from Russia), in accordance with each country's national laws, rules, regulations and procedures in effect.

**The funding from the Greek side** is up to 2 MEURO (public spending) for at least 4 projects within the Quantum Technology domain with duration of a project should be 2 years. The Greek contribution can be up to 500 k EURO per project, with maximum contribution up to 200 k EURO per project per year. Funding from the Greek side is carried in the framework of Partnership Agreement 2014-2020 with the EU.

**The funding from the Russian side** is 120 million Russian rubles for the whole Quantum Technology domain for at least 4 projects, but not more than 30 million Russian rubles per project. Russian funding projects are carried out in the framework of the Federal Target Program "Research and development on priority directions of scientific and technological complex of Russia for 2014-2020".

### **Application procedure**

Information on the national formal and financial guidelines for Greek applicants is available at: [www.gsrt.gr](http://www.gsrt.gr) and <http://www.ependyseis.gr>, and for Russian applicants is available at:

[http://www.fcpir.ru/participation\\_in\\_program/contests/list\\_of\\_contests/?arrFilter\\_pf%5BTHE\\_METHOD\\_OF\\_PLACING\\_YOUR\\_ORDER%5D=&arrFilter\\_pf%5BTTYPE%5D=&arrFilter\\_pf%5BSTATE%5D=&arrFilter\\_ff%5BCODE%5D=&arrFilter\\_pf%5BMEROPRYATIE%5D=13775&arrFilter\\_pf%5BTURN%5D=&arrFilter\\_ff%5BNAME%5D=&set\\_filter=Y](http://www.fcpir.ru/participation_in_program/contests/list_of_contests/?arrFilter_pf%5BTHE_METHOD_OF_PLACING_YOUR_ORDER%5D=&arrFilter_pf%5BTTYPE%5D=&arrFilter_pf%5BSTATE%5D=&arrFilter_ff%5BCODE%5D=&arrFilter_pf%5BMEROPRYATIE%5D=13775&arrFilter_pf%5BTURN%5D=&arrFilter_ff%5BNAME%5D=&set_filter=Y)

## ***RUSSIA – SPAIN 2-ND CALL FOR PROPOSALS FOR JOINT R&D PROJECTS***

In the framework of the MoU between the Foundation for Assistance to Small Innovative Enterprises (FASIE) and the Centre for the Development of Industrial Technology (CDTI), signed in 2016, participants from Russia and Spain are invited to submit joint project proposals.

**Deadline: 08.07.2017**

**Scope:** This call invites projects in all thematic areas. Applicants are expected to develop ready to market solutions or projects which have strong market potential for Russia and Spain.

**Financing:** Each country will fund its eligible participants. Funding conditions and eligibility criteria may vary from country to country. As a summary, the main funding criteria are explained below:

**In Spain** the participants will have to submit a formal R&D international project application through CDTI's website (<https://sede.cdti.gob.es/>) including the application form, a draft consortium agreement and a national project outline.

**In Russia:** the project will be supported under the program FASIE INTERNATIONALIZATION. Russian applicant must submit a national application via the electronic submission system: <http://online.fasie.ru/>.

### **CONTACT DETAILS:**

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The M-ERA.NET Call 2017 was launched on the 14 March 2017. More than 30 funding agencies from more than 25 countries participate with a preliminary total budget of around 25 million € national/regional funding.

**The aim is** to fund ambitious transnational RTD projects addressing materials research and innovation including materials for low carbon energy technologies and related production technologies.

M-ERA.NET aims to strengthen the contribution of materials R&D to energy-related applications where applicable.

**The Call 2017 includes the following thematic areas:**

- Integrated computational materials engineering (ICME)
- Innovative surfaces, coatings and interfaces
- High performance composites
- Multifunctional materials
- New strategies for advanced material-based technologies in health applications
- Materials for additive manufacturing

**Submit Pre-Proposal form via M-ERA.NET submission system (will be available soon; deadline is 13 June 2017 12:00)**

The [NMPTeAm4](#) offers a [Partner Search Facility](#) the M-ERA.NET Call 2017.

The [EEN](#) (Enterprise Europe Network) offers a general [partner search tool](#).

More details: <https://m-era.net/joint-calls/joint-call-2017>

## **THE SCIENTIFIC AND TECHNOLOGICAL DEVELOPMENT STRATEGY OF THE RUSSIAN FEDERATION FOR A LONG-TERM PERIOD**

President Vladimir Putin signed Executive Order on ***the Scientific and Technological Development Strategy of the Russian Federation***.

The Strategy sets out the goal and the main objectives of Russia's scientific and technological development, the principles, priorities and main areas and measures for implementing the state policy in this sphere, as well as the expected results of the Strategy's implementation, namely Russia's sustainable, dynamic and balanced scientific and technological development in the long term.

The Strategy is designed to provide scientific and technological support to the attainment of Russia's national goals and priorities as set out in strategic planning documents.

The Strategy provides for creating technologies, products and services that will improve the quality of life in Russia and will be marketable around the world. The goal of Russia's scientific and technological development as set out in the Strategy is to ensure the country's independence and competitiveness by creating an efficient system for building up and using the nation's intellectual potential.

<http://en.kremlin.ru/acts/news/53383>

Document is available at <http://sntr-rf.ru/>



## **SFIC OPINION ON INTERNATIONAL COOPERATION IN THE CONTEXT OF THE MID-TERM REVIEW OF HORIZON 2020 AND THE PREPARATION OF THE 9-TH EU FRAMEWORK PROGRAMME FOR R&I**

**NEWS**

International cooperation in Research and Innovation (INCO) is a key horizontal priority of Horizon 2020.

While Horizon 2020 is open to the whole world, the majority of Europe's main partners in S&T – emerging and high-revenue countries – are not automatically eligible for EU funding. Among the countries that have implemented a co-funding mechanism, only China, Hong Kong & Macao, the Republic of Korea, Mexico, **Russia** and Taiwan currently provide funding in most or all parts of Horizon 2020.

Although many of the co-funding mechanisms are new, statistical evidence so far suggests that there is no mechanical correlation between the existence of matching funds and an increase in participation of entities from a given country. Other factors than funding – such as international visibility, administrative workload, legal implications, etc. – are at play and should be explored in detail to explain the drop in third country participation.

The statistical information currently available points at a significant drop in participation of third countries in Horizon 2020. At this date, around 2.4% of participations are composed of entities from outside the EU and its associated countries. This is a steep regression in comparison with the average yearly participation (4.9%) in the Seventh Framework Program for S&T (FP7).

The present opinion of the Strategic Forum for International S&T Cooperation (SFIC) aims at identifying some of the major shortcomings and proposing corrective measures, both in the perspective of the mid-term review of Horizon 2020 and the preparation of the 9<sup>th</sup> FP for R&I (FP9, 2021-2028).

**More information:** <http://data.consilium.europa.eu/doc/document/ST-1352-2017-INIT/en/pdf>



## **ITALY TO INVEST 40 MILLION EURO IN JOINT PROJECT WITH RUSSIA TO SIMULATE SPACE FLIGHTS**

A consortium of 20 Italian universities and industrial companies intends to invest 40 million Euro in a joint experiment with Russia to imitate several manned space flights to other planets.

Japan, France, Germany also have been interested to take part in this joint project with Russia. On the basis of the common technological know-how new technologies will be developed not only for scientific purposes in a space flight but also for commercial goals.

Preliminarily, representatives of the German, French and Italian space agencies have given their consent for participation in the project.

The Institute of medico-biological problems of the Russian Academy of Sciences is acting as the experiment's initiator. The project stipulates holding an isolation experiment in October 2017 and in 2018 for two or three weeks, four- and eight-month experiments in 2019 and an annual experiment in 2020-2021.

The crew of the first experiment for isolation as part of preparations for flights to other planets may be international and involve the participation of a Japanese and a German volunteer.

The Institute of Medico-Biological Problems and NASA earlier agreed to hold a series of joint isolation experiments to study the psychology and the working capacity of human being in long space flights. The experiments will be held in the Institute's ground experimental complex from 2017 to 2021.

The Institute of Medico-Biological Problems has held several dozen similar experiments since 1967, the most famous of which include A Year in Spaceship (1967-1968), HUBES (1994), EKOPSY (1995), SFINCSS (2000), Mars-500 (2007-2011). The Mars-500 project imitated a flight to the Red Planet and lasted 520 days. A special ground complex was set up for this purpose.

More information: <http://tass.com/science/929163>



## **"SOCIAL AND CULTURAL FACTORS OF INNOVATIVE DEVELOPMENT OF RUSSIA" RVC STUDY**

**Russian Venture Company (RVC)** has published the results of a large study *"Social and cultural factors of innovative development of Russia."*

The study allowed determining the values and behavior of the population of the Russian Federation, affecting the development of technological entrepreneurship and the formation of an innovative economy.

**Main conclusion:** 48% of Russians believe in the potential of scientific and technological progress. Meanwhile, this attitude towards science and technology in Russia turned out to be an average of 20% more positive than in Europe.

The study of such scale was held in Russia for the first time ever and was implemented by the Moscow School of Social and Economic Sciences (MSEES) in partnership with RVC, Moscow State University, Institute of national projects and CSR. During 2016, a survey of 6,000 respondents was conducted in 10 Russian regions. According to its results, a cluster analysis of the data was carried out. The researchers identified groups of population by their views on scientific progress and technological innovation, as well as studied the economic activity, the attitude and willingness of Russians to entrepreneurial activity.

The full results of the study can be found at the following link:

[http://www.rvc.ru/upload/iblock/d10/attitudes\\_to\\_technologies\\_and\\_innovations\\_in\\_Russia.pdf](http://www.rvc.ru/upload/iblock/d10/attitudes_to_technologies_and_innovations_in_Russia.pdf)

The logo for Project 5-100, featuring a large blue '5' and '100' in blue, with a red swoosh above the '5'.RUSSIAN ACADEMIC  
EXCELLENCE PROJECT

## ITMO UNIVERSITY, A PROJECT 5-100 PARTICIPANT, RECOGNISED AS THE WORLD'S BEST UNIVERSITY IN PROGRAMMING

**HackerRank**, a technology firm, presented its rating of world's best universities in **programming** and awarded the first place to ITMO University, one of the **Project 5-100** universities.

In the ranking, Russia was also represented by another university from the northern capital – St. Petersburg State University claimed rank 6. **Times Higher Education** website has also published the HackerRank league tables.

HackerRank runs hackathons where contestants attack issues topical for businesses or consumers; corporations use hackathons to discover outstanding software developers.

The top 10 list of universities also includes two Indian institutions, as well as universities from China, Vietnam, USA, Canada, Ukraine and Sweden (one per country).

Unlike academic rankings (which focus on such indicators as citations, reputation, scientific publications etc.), HackerRank reflects students' programming skills. It is based on the results of University Rankings Competition, a global contest involving over 5500 students from 126 universities from all over the world. Both the number of competing students and their results were used to compile the ranking. Participation of at least 10 students in the Competition made their university eligible for the ranking.

More information: <http://5top100.com/news/49563/>

## WORKSHOP ON PUBLIC AWARENESS OF RESEARCH INFRASTRUCTURES - PARI2017



In 2015 the first workshop on Public Awareness of Research Infrastructures was held. Given its success and very positive feedback from the participants, the second edition of PARI will be organized. PARI2015 was the 10-th of a series of events organized by the ERF-AISBL, the European Association of National Research Facilities.

The EIROforum joined in for the organization of PARI2017.

Science is exciting, enlightening, complex, fundamental, precise, logical, and creative, all at the same time. However, for the public to get in touch with it and understand why it encompasses all these concepts, efforts need to be made to bridge science and society. With this aim, communication teams at research infrastructures work with a range of methods and channels. They make complex information more tangible and disseminate it as broadly as possible so that the public can understand and be engaged.

This conference aims to be a **hands-on forum for communication officers and public relations** staff to share their experiences and expertise. The aim is that participants return home with new ideas for their work, by learning how and with which means other research institutions are communicating the importance of science and of research infrastructures to society.

**Venue: European Southern Observatory, Karl-Schwarzschild-Str. 2, 85748 Garching, Germany**

**Date: 29-30 May 2017**

More information: <https://webapps.frm2.tum.de/indico/event/43/>



## ***THE XIX WORLD FESTIVAL OF YOUTH AND STUDENTS WILL PASS IN MOSCOW AND SOCHI IN OCTOBER 2017***

The XIX World Festival of Youth and Students **WFYS2017** will be the largest event in the field of international youth cooperation and will bring together more than 20,000 of young people from 150 countries around the world.

The XIX Festival should be a new milestone in international cooperation, to unite the future generations around the ideas of peace and friendship, keeping the history of the festival movement!

Russia always pays great attention to the creation of conditions for the development of the young generation and supports youth and student movements. In the entire history of the festival, the country twice already opened the doors to its participants - in 1957 and 1985.

This is a platform for dialogue, global form of communication: through discussions, cultural programs, sports, through free communication to find ways to confront the challenges that younger generation is facing today.

Website of Festival: <http://www.russia2017.com/en/>



## ***THE START-UP VILLAGE 2017, SKOLKOVO: DRIVING RUSSIAN INNOVATIONS***

Startup Village is the biggest startup conference for technological entrepreneurs in Russia and the CIS countries, organized by Skolkovo Foundation together with partners: 20 000 participants, 4 000 start-ups, 1 500 investors, 30+ countries. The event will be held on June 7-8, 2017

Startup Village is the unique platform where founders of startups and innovators meet successful entrepreneurs, investors, large technological corporations and government officials to discuss technological trends and ideas, and form a new generation of Russian entrepreneurs. It's an international event that annually gathers representatives from more than 30 countries.

Moreover Startup Village conference is a culmination of the Russian Open Innovations Startup Tour road show. In 2017 within the tour experts, mentors and investors will visit 11 Russian cities, and also will choose projects in Baku, Almaty and Yerevan. The best startups will take part in the pitch-sessions contest within Startup Village.

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



**BSH Int. CONFERENCE “EU- BLACK SEA CORPORATION IN  
SCIENCE, TECHNOLOGY AND INNOVATION – TOWARDS A  
JOINTLY AGREED STI PROGRAMME”**

The Black Sea Horizon (BSH) project has announced the high-level Black Sea Horizon International Conference in Athens, Greece, on 8 May 2017.

Organiser of this event is the International Centre for Black Sea Studies (ICBSS).

Building on structured and effective dialogue and aiming to optimize the framework for STI cooperation between the EU and the non-EU Black Sea countries, the BSH International Conference aims:

- to present the progress of key activities and achieved results of the BSH project,
- to present, discuss and consolidate the “EU – Black Sea Cooperation Programme in STI”, prepared within the framework of the Black Sea Horizon Project.

Back to back with the BSH conference the 2<sup>nd</sup> General Assembly Meeting of the BSH Project, with the participation of all partners, will be held in Athens, on 9 May 2017 as well as a preparatory meeting on May 10, 2017 for a HORIZON 2020 Summer School targeting young researchers from all Black Sea countries that will be held in Yerevan, in July 2017.

Participation to the BSH Conference is free of charge, upon prior registration.

Registration is open: <https://blacksea-horizon.eu/object/event/682>

Agenda and further information will be available on BSH website: <https://blacksea-horizon.eu/project>

The logo for MIS&S is located in the top left corner. It features the text "MIS&S" in a bold, black, sans-serif font. To the right of the text is a stylized graphic consisting of a blue arc at the top, a blue sphere in the center, and two concentric grey circles below it. The entire logo is set against a background of decorative elements: a green balloon at the top left, a light blue balloon in the middle left, and a purple balloon at the bottom left, all with yellow triangular streamers pointing downwards.

**MIS&S**

## **Research Infrastructures NCP in Russia Contact information**

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