



## **Opportunities for participation of foreign researches and research organisations in programmes and projects of the Russian Federation**

The development of mutually beneficial cooperation between Russian and foreign organizations working in the field of research and development should be based on a constant exchange of information on the development of high-tech devices, equipment, technology, materials, new knowledge interchange issues, which should result in the entry of Russian companies into international research consortiums. Provision of updated information is intended to assist in the "mobilization" of contacts between Russian and foreign partners.

This bulletin provides information about opportunities for participation in international organizations, programs and projects supported at the Russian national level.

### **1 Opportunities for participation by foreign researchers and research organizations in the programs and projects of the Foundation for Assistance to Small Innovative Enterprises in Science and Technology.**

Foundation for Assistance to Small Innovative Enterprises in Science and Technology is a state non-commercial organisation in a form of Federal state budget establishment, main tasks of which are the following ones:

- public policies to develop and support small enterprises in scientific and technical sphere;
- providing direct financial, informational and other assistance to small innovative enterprises implementing development projects and the development of new types of high-tech products and technologies based on these enterprises owned intellectual property;
- establishment and development of infrastructure to support small business innovation;
- facilitating the creation of new jobs for the efficient use of existing in the Russian Federation scientific and technological capacity;
- extra-budgetary investment in small innovative business;



-training (including the involvement of young people in innovation) [<http://www.fasie.ru/o-fonde>].

The Fund's activities on support of joint projects with foreign partners and investors is being implemented within the framework of the program "Internationalization". The purpose of the program is to provide direct financial support to small innovative enterprises implementing development projects and the development of new types of high-tech. Financial support is provided for research and development.

The maximum amount of funding a project under the program shall not exceed 15 million. rubles, project duration: 18-24 months. When the projects implementation small innovative enterprises involve extra-budgetary funds. Foreign partners of the project are also attracting co-financing. The Russian part of the project is carried out by the Fund, foreign part at the expense of foreign funds. At the same time the projects should be balanced.

At the present time, the Foundation announced the collection of applications for participation in the competition "Export" under "Internationalization" Programme, which is aimed at providing grants to small innovation enterprises working in the field of R & Ds. The competition is aimed at support and development of enterprises having experience in selling high-tech products abroad, and they have a need for additional research and developments.

Grants are awarded to small innovative enterprises in the amount of not more than 15 million rubles, in case of guaranteed co-founding from their own and (or) raised funds of third parties in an amount not less than 50% of the grant amount. The period of R & D - 12 months.

Deadline: June 21, 2015.

## **2 Opportunities for participation of foreign researches and research organisations in programs and projects of Russian Foundation for Basic Research**

Russian Foundation for Basic Research (RFBR) was created by decree #426 of the President of the Russian Federation "On urgent measures for preserving scientific and technological potential of the Russian Federation" and is a self-governed state nonprofit



organisation in the form of a federal organisation controlled by the Government of the Russian Federation. Being a representative of the state, the Foundation provides targeted diversified support to leading groups of scientists regardless of the organisation they represent. Support of initiative scientific research in all the principal directions of fundamental science is carried out strictly on a competition basis after a comprehensive evaluation.

Decisions on whether to support or to decline projects by RFBR are taken by the scientific community itself represented by the most authoritative and actively working scientists – members of the Foundation expert panels. This is a completely new organisational form for Russian science, which has opened to scientists broader possibilities for creative self-expression and allowed them to choose the subjects of research on their own, create research groups and concentrate funds in the most promising research directions.

At the present time the following calls are opened under RFBR:

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## 2.1 The Contest of research projects carried out by young scientists under the leadership of Doctors of Science in scientific organizations of the Russian Federation in 2015.

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Executor may be a young scientist working in a research organization or the organization of higher vocational education, as well as master's student or PhD student. Age of the Executor should not exceed 35 years as of the December 31, 2015. Executor should have a permanent residence and place of work (study) outside the region of the Russian Federation, which is an organization that provides facilities for the performance of the Project.

Deadline for receiving applications: 30.06.2015

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## 2.2 Joint initiative research projects competition of the Russian Foundation for Basic research (RFBR) and the German Research Foundation (DFG).

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The Competition supports basic research projects being conducted by joint Russian and German scientist collectives in the research areas of mutual interest. Russian and German scientists, supervisors of the joint project, must agree in advance on the name and



content of their applications and submit the applications to RFBR (Russian) and DFG (German Research Foundation).

Russian scientists submit the application after the registration of German team's project in DFG. The number of German application must be sent to RFBR.

The duration of the joint initiative research project is 1, 2 or 3 years.

Application deadline: 31.12.2014

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2.3 Contest of 2016: for initiative scientific projects, conducted by RFBR and National Center for Scientific Researches (France).

Objective of the contest: development of international cooperation in the field of fundamental scientific researches, finance support of initiative R&D projects being implemented collaboratively by Russia and France. Projects for fundamental R&Ds which are being collaboratively implemented by private persons of Russia and France may be submitted.

Project duration: 1, 2 or 3 years. Private persons (Russian and France participants) shall agree the content of the work and project name and submit the application to the competition. Russian participants shall submit an application to RFBR and Frenchmen to National R&D Center of France.

Applications are accepted till: 02.06.2015

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2.4 Joint initiative research projects on organisation of young researchers workshops at the territory of Russia, funded by RFBR and the Royal Society of London (CA).

The objective of the Competition is cooperation of young scientists from the Russian Federation and the United Kingdom in the form of scientific workshops conducted by leading scientists from Russia and the United Kingdom with the aim of creating conditions for long-term cooperation of young scientists to conduct basic scientific research.

Project of organisation in Russia of scientific workshops in the period of November 1, 2015 March 31, 2016 with duration of 3-5 days may be submitted. The project may have interdisciplinary character.

The project application shall be submitted concordantly 2 private persons (researches from the Great Britain and from Russia). Researches from Russia submit application to



RFBR and researches from the Great Britain to the British Council. Before the submission of application Project managers agree the theme of the workshop, quantity of participants, place of time of the event.

Deadline for applications: 20.07.2015.

The projects to be implemented shall be realized in the following areas:

- Mathematics, Informatics, and Mechanics;
- Physics and Astronomy;
- Chemistry and materials science;
- Biology and Medical Science;
- Geoscience;
- Information, Computer and Communication Technologies;
- Fundamentals of engineering sciences.

### **3 Opportunities for participation of foreign researches and research organisations in programs and projects of Russian Science Foundation**

Russian Science Foundation (hereinafter the Foundation) is established in order to provide financial and organizational support for basic research, research training, development of research teams that occupy leading positions in particular fields of science.

Main objectives of the Foundation:

- the competitive selection of scientific, technical programs and projects in areas of fundamental and exploratory research teams, individual scientific and teaching staff;
  - development of scientific organisations and educational organisations of a higher education;
  - creating laboratories and departments of international level in scientific and educational organisations of higher professional education;
  - development of experiment base for conducting scientific studies
- [<http://www. . . />].





RSF's grants are allocated for the implementation of basic research and exploratory research in the years 2015- 2017 in various branches of knowledge, defined depending on the competition.

The competition is open to research projects teams, regardless of the position held by the project manager, his scientific degree and citizenship, organizational-legal form and ownership of organizations with which the project manager and members of the research team are in labor or civil relations. Research team are awarded with a grant on a free and irrevocable basis of the results of the competition under the conditions laid by RSF through Russian scientific organizations, Russian educational institutions of higher education, their affiliates, in the territory of the Russian Federation. Grant amount is 5-8 mln. rubles annually. RSF approved a separate event for the organization of coordinated calls with international funds, as well as projects developed standard tender documentation for foreign funds, providing matched funding for 2015.

The direction of the projects will be located in the "zone of intersection of interests." One of the types of activities (projects) for international cooperation are measures to ensure the presentation of the results of studies on the status of international conferences on the territory of the Russian Federation, especially those who are on rotation in different countries.

RSF has held the following competitions in 2015:

- Competition for grants in the priority area of RSF activities "Research with the results presented as part of an international conference (congress)";
- Competition for grants in the priority area of RSF activities "Research in small groups under the guidance of leading Russian and foreign scientists".

#### **4 Opportunities for participation of foreign researches and research organisations in programs and projects of the Ministry for Education and Science of the Russian**

The principles of implementation of the international scientific and technological cooperation with European countries in the field of non-nuclear energy in the framework of the federal target program "Research and development on priority directions of scientific-



technological complex of Russia for 2014-2020" (hereinafter referred to as Programme) is determined by the Cooperation Agreement in the field of science and technology and are based on the decision of the Joint Committee of the EU-Russia (JC) on scientific and technological cooperation, as well as thematic working groups. All the joint initiatives are recorded in the "road map", an updated version of which was adopted in 2012 [<http://minobrnauki.rf>]. Working groups under the Ministry for Education and Science of the Russian Federation are to identify research and innovation directions of the policy and programmes, which can be of mutual interest for European Union and Russian Federation. Also the working groups are responsible for implementation of cooperation in the frameworks of existed programs.

Programme activities are directed to:

- Conducting researches in the framework of international multilateral and bilateral cooperation;
- Support for research in the frameworks of cooperation with the Member States of the European Union;
- Organization of participation in major international scientific and technical activities.

At the present time, the Minobrnauki of Russia agreed with European Commission the main areas of the program "Horizon 2020" and the Federal Target Program "Research and development on priority directions of scientific-technological complex of Russia for 2014-2020 years.

The Ministry for Education and Science of the Russian Federation has selected the following areas:

- competitive low carbon energy;
- demonstrating advanced biofuel technologies;
- developing next generation technologies for biofuels and sustainable alternative fuels;
- partnering with Brazil on advanced biofuels;
- market uptake of existing and emerging sustainable bioenergy;
- large scale energy storage;



- modeling and analysing the energy system, its transformation and impacts;
- enabling decarbonisation of the fossil fuel based power sector and energy intensive industry through CCS;
- highly flexible and efficient fossil fuel power plants;
- stimulating the innovation potential of SMEs for a low carbon and efficient energy system;
- smart cities and Communities solutions integrating energy, transport, ICT sectors through lighthouse (large scale demonstration first of the kind) projects;
- development of system standards for smart cities and communities solutions.

Expected time for opening calls: July 2015.

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.

## **5 Opportunities for participation of foreign researches and research organisations in programs and projects of Technological Platform “Advanced renewable energy technologies”**

Technological platform coordinator: OAO “RusGidro”

The aim of the Platform:

Combining the efforts of government, business, financial institutions and development institutions, scientific and design communities, educational institutions in creating conditions for the development of renewable energy, the introduction of high-efficiency generation technologies based on renewable energy sources (RES), improve the competitiveness of products and services for renewable energy in the Russian and global markets [<http://www.i-renew.ru/>].

In 2015, the technological platform "Advanced renewable energy technologies" has implemented a new mechanism for information support and development to attract investments to the sector of renewable energy - the federal technology startups accelerator «GenerationS» [<http://generation-startup.ru/>]. The best projects, selected by the results of





multi-examination, receive intensive development and opportunities to attract investments. GenerationS is being held by OAO “RVK”.

Since 2015 Resources «GenerationS» used to create corporate and industrial accelerators in close cooperation with major Russian corporations. Corporations are directly involved in the selection, assessment of projects and the acceleration of the participating startups «GenerationS», based on their needs in innovation.

Since 2015 “GenerationS” resources are used for creation of corporate accelerators in a close cooperation with large Russian corporations. Corporations took part in selection, project expertise and start-up acceleration.

OAO “RusGidro” and Corporate innovation center “Next Capital” (OOO “Next Capital”) under assistance of technological platform “Advanced renewable energy technologies” organizes Federal accelerator GenerationS on the direction “Power&Energy”.

The programme is directed to needs of technological entrepreneurs dealing in the energy field and gives an opportunity to bring a project on a new level for very short period of time, to find investor.

Federal accelerator «GenerationS» is a free intensive educational program, which makes it possible to refine the product / technology with potential customers and industry experts; to work out a business model with the participation of experienced mentors from industry and business environment; unite the team, improve the capacity and the investment attractiveness of their project; to receive investment in their businesses; to sell their products to the largest energy companies.

Applications for participation in the accelerator “GenerationS” in the field of “Power&Energy” shall be submitted till 30 [<http://generation-startup.ru/>].