

Russian Foundation for Basic Research, Successful Schemes of Funding Organizations

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RFBR deputy chairman



CREMLIN)

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Financial Support of science in Russia



Federal
Agency of
Scientific
Organizations

Ministry
of
Education
and
Science

Foundations

Science State Foundations in Russia

- **Russian Foundation for Basic Research (RFBR) (+ Russian Foundation for Humanities RFH)**
- Russian Science Foundation (RSF)
- Foundation for Perspective Studies (FPS)
- Foundation for Assistance to Small Innovative Enterprises in Science and Technology (FASIE)
 - Skolkovo Foundation (government & business funded)



GLOBAL RESEARCH COUNCIL



RFBR will host the GRC 2018 meeting in Moscow The decision of GRC Annual Meeting in Ottawa on May 29-31, 2017.



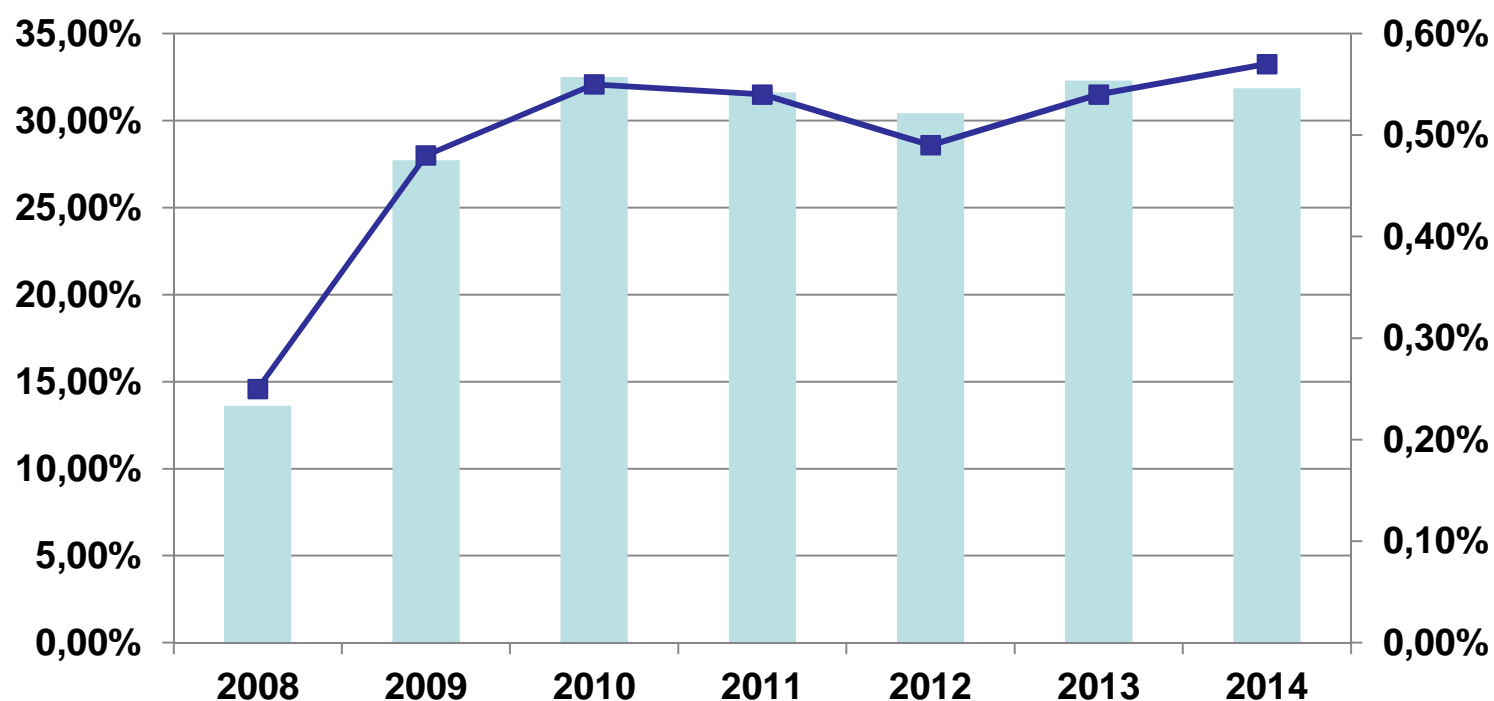
Global Research Council. European Regional Meeting in Roma held by CNR and RFBR

MEGASCIENCE themes under discussion at the GRC meetings

The share of publications supported by RFBR (according to Web of Science)

*RFBR / Russia
share*

*RFFI / World
share*



RFBR

April, 27 2017 – 25th anniversary

RFBR supports **annually**

- *Researches of more than 70 000 scientists*
- *Researches of more than 10 000 young scientists*
- *Organization of more than 800 scientific events (congresses, conferences, symposiums, etc.)*
- *publication of more than 250 books and monographs)*
- *Joint international calls with more than 48 scientific foundations and ministries from 34 countries*
- *Electronic subscription of more than 4.5 thousand scientific journals)*



RFBR for the 25 year's period:
Supported 150 000 scientific projects and
300 thousand Russian scientists



RFBR Grants & Programs



Small scientific
group projects

Support for
young scientists

Goal-oriented basic
research

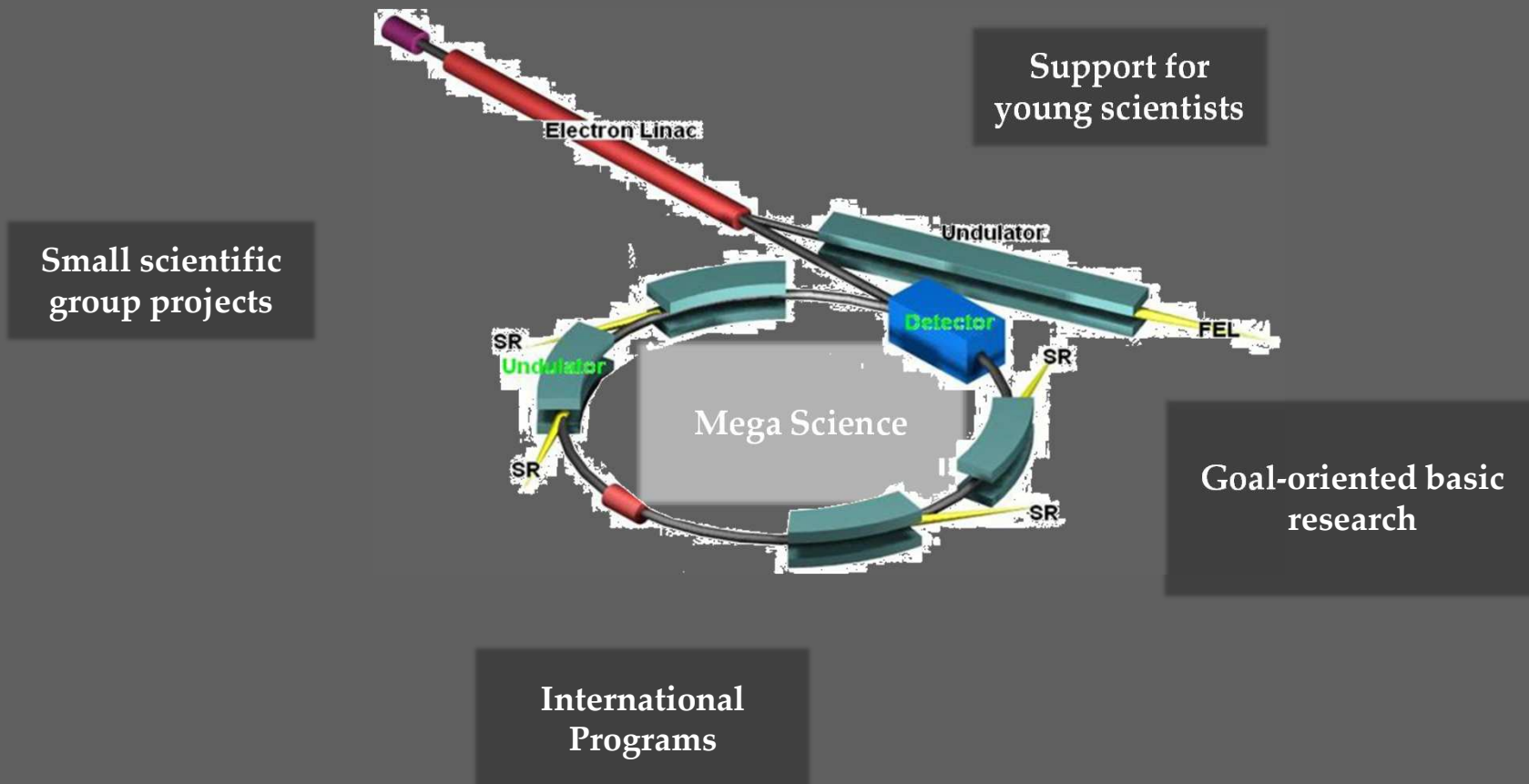
Regional
Programs

International
Programs

Publishing
Projects



RFBR Grants & Programs



Strategy of Scientific and Technological Development of the Russian Federation

The strategy defines:

- Goals and main tasks of scientific and technological development of the Russian Federation
- Main principles and priorities of the state policy in this field
- Expected results of the Strategy implementation that provide stable balanced development of the country for the long term period
- Development of the scientific infrastructure. It means:
creation of unique scientific MEGASCIENCE installations and big research clusters on the territory of the Russian Federation

Decree of the President of the Russian Federation of December 01, 2016

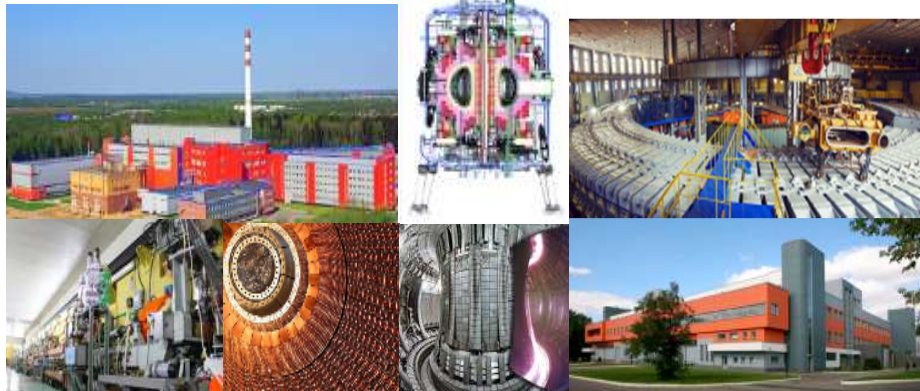


Megascience Projects



Priority mega-science installations in Russia

1. PIK (High Flux Research Reactor in Gatchina, St.-Petersburg)
2. NICA (Nuclotron-Based Ion Collider Facility, Dubna)
3. IGNITOR (Compact Fusion Reactor, Troitsk, Moscow)
4. SSRS-4 (4th Gen. Special-Purpose Synchrotron Radiation Source, Moscow)
5. STC (Super Tau-Charm Factory, Novosibirsk)
6. XCELS (Exawatt Center for Extreme Light Studies, Nizhniy



International Megascience projects with Russian participation

- ❖ International thermonuclear experimental reactor (ITER)
- ❖ European XFEL
- ❖ The Large Hadron Collider (CERN)
- ❖ Facility for Antiproton and Ion Research (FAIR)
- ❖ Large volume detector for low energy neutrino spectroscopy (Borexino)
- ❖ ELI, "Superstrong electro-magnetic fields" CNRS (France)
- ❖ International THz consortium



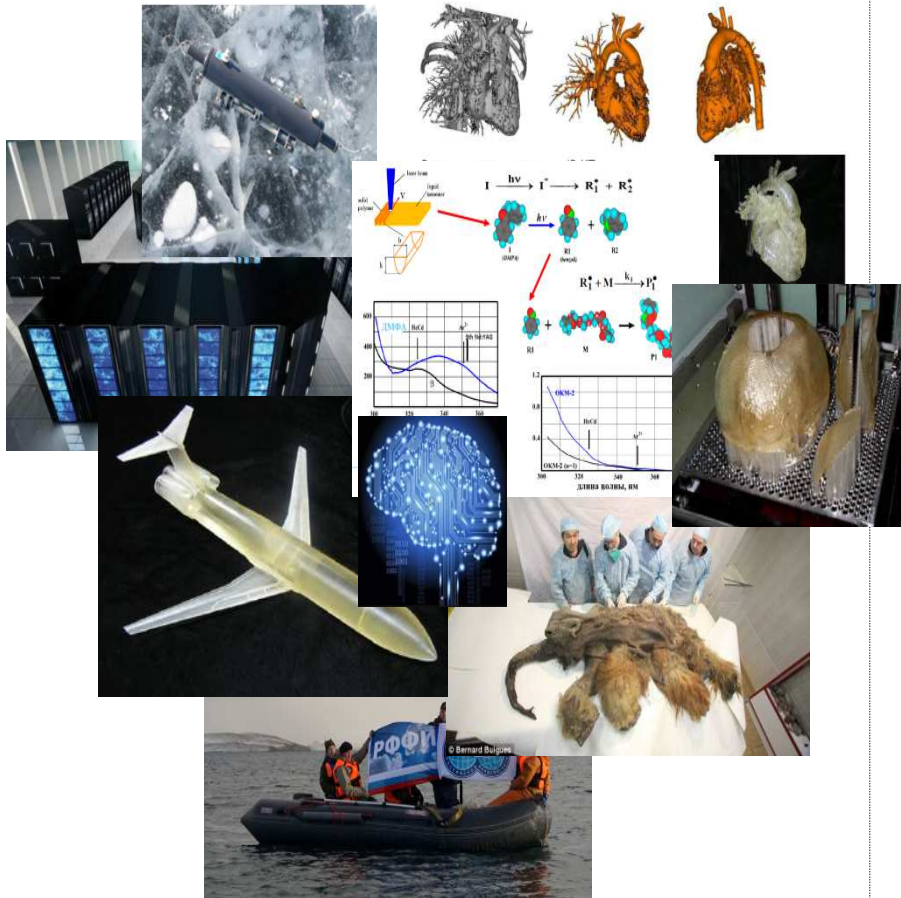
CREMLIN Project

Connecting **R**ussian and **E**uropean **M**easures for **L**arge-scale Research **I**nfrastructures

Goal-Oriented Basic Research



Ad hoc expert council for each theme



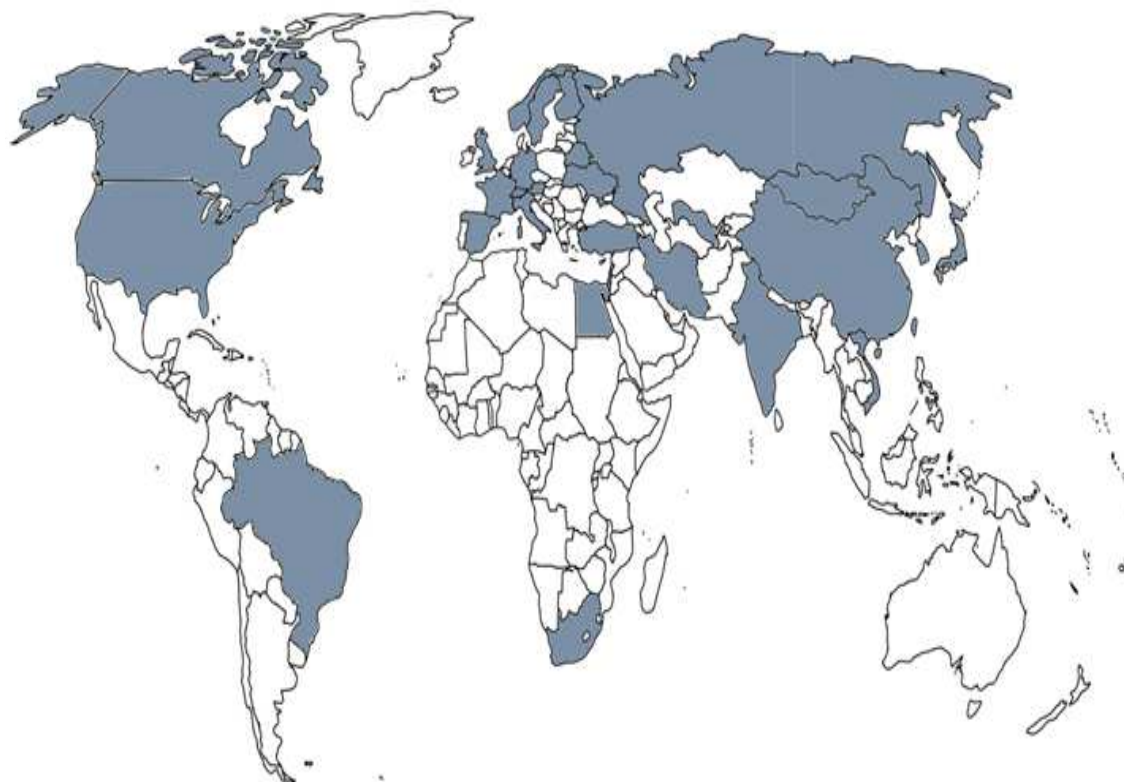
- Ground-zero basic research to fill the gaps in research panorama
- Goal-oriented basic research picking up potential breakthroughs from the total research panorama
- Integrated interdisciplinary research conducted by consortiums of research groups *.
- A goal-oriented call for proposals with a name of “Fundamental Problems of Convergent Research”
- The results of goal-oriented calls confirm the significance of supporting profoundly convergent projects

** Recent trend : bottom-up initiated consolidation of separate disciplinary grants into a complex multidisciplinary project*

RFBR foreign partners in bilateral programs



- | | |
|--|--|
| 1. Abkhazia <i>NAS</i> | 13. Germany <i>DFG, MPG
Helmholtz</i> |
| 2. Armenia <i>SCS</i> | 14. India <i>DST, ICMR</i> |
| 3. Austria <i>FWF</i> | 15. Iran <i>INSF</i> |
| 4. Azerbaijan <i>ANAS, SDF</i> | 16. Israel <i>MST</i> |
| 5. Belarus <i>BRFBR</i> | 17. Italy <i>CNR</i> |
| 6. Bulgaria <i>BSF, BAS</i> | 18. Japan <i>JSPS, JST, JMRS</i> |
| 7. Brazil <i>CONFAP</i> | 19. Kazakhstan |
| 8. Canada <i>NSERC</i> | 20. Kyrgyzstan <i>NAS</i> |
| 9. China <i>NSFC, NOSTA, SASS,
CASS, & MOST of Taipei</i> | 21. Moldova <i>ASM</i> |
| 10. Egypt <i>STDF</i> | 22. Mongolia <i>MECS</i> |
| 11. Finland <i>AKA</i> | 23. Norway <i>RCN</i> |
| 12. France <i>ANR, CNRS, INRA</i> | 24. South Africa <i>NRF</i> |
| | 25. South Korea <i>NRF</i> |



- | | | |
|------------------------------------|---|--------------------------------------|
| 26. Spain <i>CSIC</i> | 29. Turkey <i>TUBITAK</i> | 32. Ukraine <i>NAS, SFFR</i> |
| 27. Sweden <i>NRF</i> | 30. United Kingdom <i>RS, RCUK, BC</i> | 33. Uzbekistan <i>CCSTD</i> |
| 28. Switzerland <i>SNSF</i> | 31. USA <i>NSF, NIH</i> | 34. Vietnam <i>VAST, VASS</i> |

Russian Foundation for Basic Research & Helmholtz Gemeinschaft, HG



Program Helmholtz-Russia Joint Research Groups (HRJRG) was launched by Helmholtz Gemeinschaft and RFBR in 2006.

32 groups have received financial support since then. RFBR contribution

Year	Amount (mln rubles)	
2007	5,6	
2009	12,2	
2010	14,9	
2011	11,6	
2012	11,2	
2013	18,2	<i>Protons, neutrons, photons</i>
2014	12,4	<i>Protons, neutrons, photons</i>
2015	6,1	<i>Protons, neutrons, photons</i>
Total	92,2	

Russian Foundation for Basic Research & Helmholtz Gemeinschaft, HG

Russian Foundation for Basic Research (RFBR) supports Russian scientists in joint collaboration programs with both German and Russian participation within the frameworks of Agreements with *Helmholtz Gemeinschaft, HG* .



Areas: *Energy*
Health
Earth and environment
Aeronautics, space and transport
Key technologies
Structure of matter

February 2016. Presentation of the book «Hermann von Helmholtz. Free Energy»
Russian Language Edition.



Thank You for attention

For more information visit our
website at
www.rfbr.ru

