



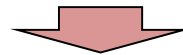
ERA.Net RUS and ERA.Net RUS Plus

Yaroslav Sorokotyaga
Grenoble, 16.06.2017



Setting the Scene: Common EU-Russian Interests

- ❖ Enhancing **cooperation in STI**
- ❖ Mutual integration of scientific and technological potentials by **including Russia in the ERA** and fostering EU involvement in corresponding Russian S&T programs
- ❖ Common priorities: Global challenges, sustainable low-carbon economy, energy efficiency and international negotiations on fighting climate change
- ❖ Establishing **joint funding mechanisms** as stable basis for sustainable STI cooperation



ERA.NET SCHEME
to fulfill these interests



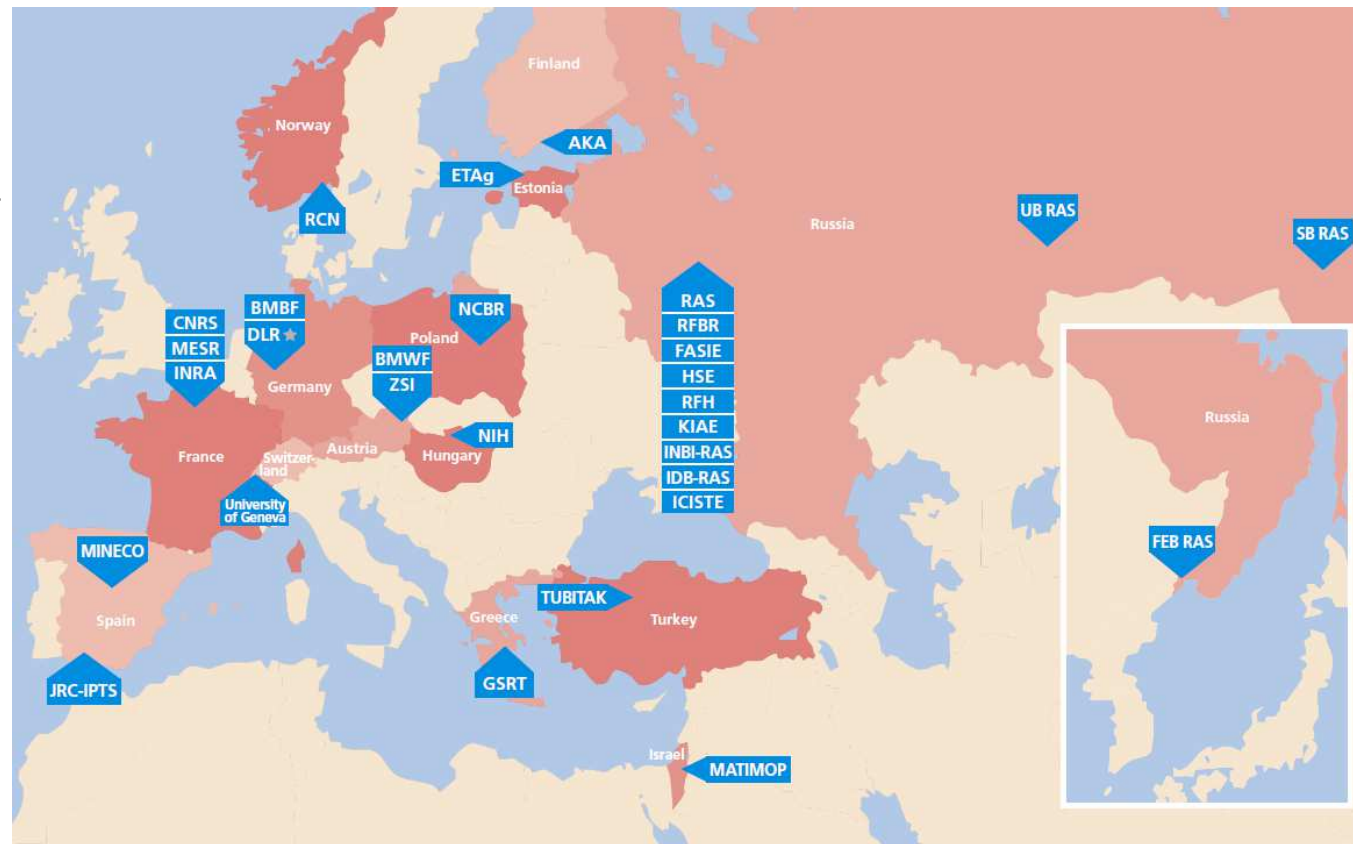
Objectives of the ERA.Net Scheme with Russia:

- ❖ Raising knowledge on bilateral and national S&T programmes with or towards Russia and on relevant activities of other programme owners
- ❖ Identifying common ground across bilateral S&T programmes of MS/AC with Russia and providing a basis for a joint programmatic approach
- ❖ Learning lessons from ongoing (thematic) ERA-NETs involving Russian programme owners and identifying good practice from other international ERA-NETs
- ❖ Developing an appropriate instrumental setting for joint funding activities
- ❖ Testing a scenario and learning lessons from a pilot joint call
- ❖ Developing and promoting a sustainable joint programme with Russia



ERA.Net RUS: Linking Russia to the ERA

- ❖ 29 project consortia partners from 14 countries
- ❖ Period: 02/2009 - 01/2014
- ❖ 6 WPs
- ❖ 20 funders
- ❖ 2 funding lines S&T and Inno





ERA.Net RUS project Work Packages:

- ❖ WP 1: Preparing the analytical ground for coordinating EU MS'/AC' S&T and innovation programmes towards Russia or with Russian programme owners
- ❖ WP2: Developing and disseminating a concept for a coordination of activities of S&T and innovation programme owners in EU MS/AC and Russia
- ❖ **WP3: Preparing, Implementing and Assessing a Pilot Joint Call (PJC)**
- ❖ WP4: Developing, Disseminating and Promoting a Sustainable Programme
- ❖ WP5: Information Dissemination, Communication and Links
- ❖ WP6: Project Coordination and Management



Framework conditions:

- **Virtual Common Pot**: Each Funding Party funds its own teams within a multilateral project
- **Eligible Applicants**
 - Research and higher education entities
 - Research performing small and medium enterprises (SME)
 - Other entities eligible for funding according to national legislation
- **Target Group**:
 - Consortia with partners from at least three different countries (one from Russia)
- One joint proposal (in English)
- International, Independent, expert-based **evaluation of the proposals**
- **Joint Decision taking** by the Funding Parties



ERA.Net RUS Plus

Call 2017

Pilot call topics: S&T

- ❖ **Innovative materials and cutting edge technological processes**
 - ultrahigh-power laser sources
 - intelligent materials and nanomaterials
 - quantum optics

- ❖ **Environmental research and climatic change**
 - biodiversity and ecophysiology of natural ecosystems
 - climate change in the arctic and subarctic regions
 - Material sciences connected with energy conversion and storage

- ❖ **Research on serious human health problems**
 - viral infections: HIV and Hepatitis
 - auto-immune diseases
 - neurodegenerative diseases

- ❖ **Contemporary socio-economic studies**
 - Social security systems and welfare state (in the context of globalization)
 - Labour, labour market, and employment
 - Transformation of the educational system

Innovation: thematically open



Innovation Call

6 Funding agencies from 6 countries

- **Federal Ministry of Education and Research, BMBF (Germany)**
- **Ministry of Education, Lifelong Learning and Religious Affairs, General Secretariat for Research and Technology, GSRT (Greece)**
- **Israel Industry Center for Research and Development, MATIMOP (Israel)**
- **Foundation for Assistance to Small Innovative Enterprises, FASIE (Russia)**
- **University of Geneva (Swiss Leading House for Swiss-Russian S&T Cooperation) acting on behalf of the Swiss State Secretariat for Education and Research (Switzerland)**
- **Scientific and Technological Research Council of Turkey, TÜBITAK (Turkey)**



ERA.Net RUS Plus

Call 2017

18 Funding agencies from 11 countries (S&T call)

- Estonian Science Foundation, ETF (Estonia)
- Federal Ministry of Education and Research, BMBF (Germany)
- Ministry of Education, Lifelong Learning and Religious Affairs, General Secretariat for Research and Technology, GSRT (Greece)
- Academy of Finland, AKA (Finland)
- National Centre for Scientific Research, CNRS (France)
- Ministry of Higher Education and Research, MESR (France)
- Institute for Agricultural Research, INRA (France)
- Research Council of Norway, RCN (Norway)
- The National Centre for Research and Development, NCBIR (Poland)
- Russian Foundation for Basic Research, RFBR (Russia)
- Russian Academy of Sciences (RAS), Central Part (Russia)
- Ural Branch of RAS (Russia)
- Siberian Branch of RAS (Russia)
- Far Eastern Branch of RAS (Russia)
- Russian Foundation for Humanities, RFH (Russia)
- Ministry of Science and Innovation, MICINN (Spain)
- University of Geneva (Swiss Leading House for Swiss-Russian S&T Cooperation) acting on behalf of the Swiss State Secretariat for Education and Research (Switzerland)
- Scientific and Technological Research Council of Turkey, TÜBİTAK (Turkey)



Preparation of the Pilot Call on Innovation and S&T Projects

- ❖ Brokerage event
28 Feb. - 2 Mar. 2011 , Ekaterinburg, Russia
- ❖ Partner-search tool
- ❖ Profiles of researchers and project ideas
published on the website

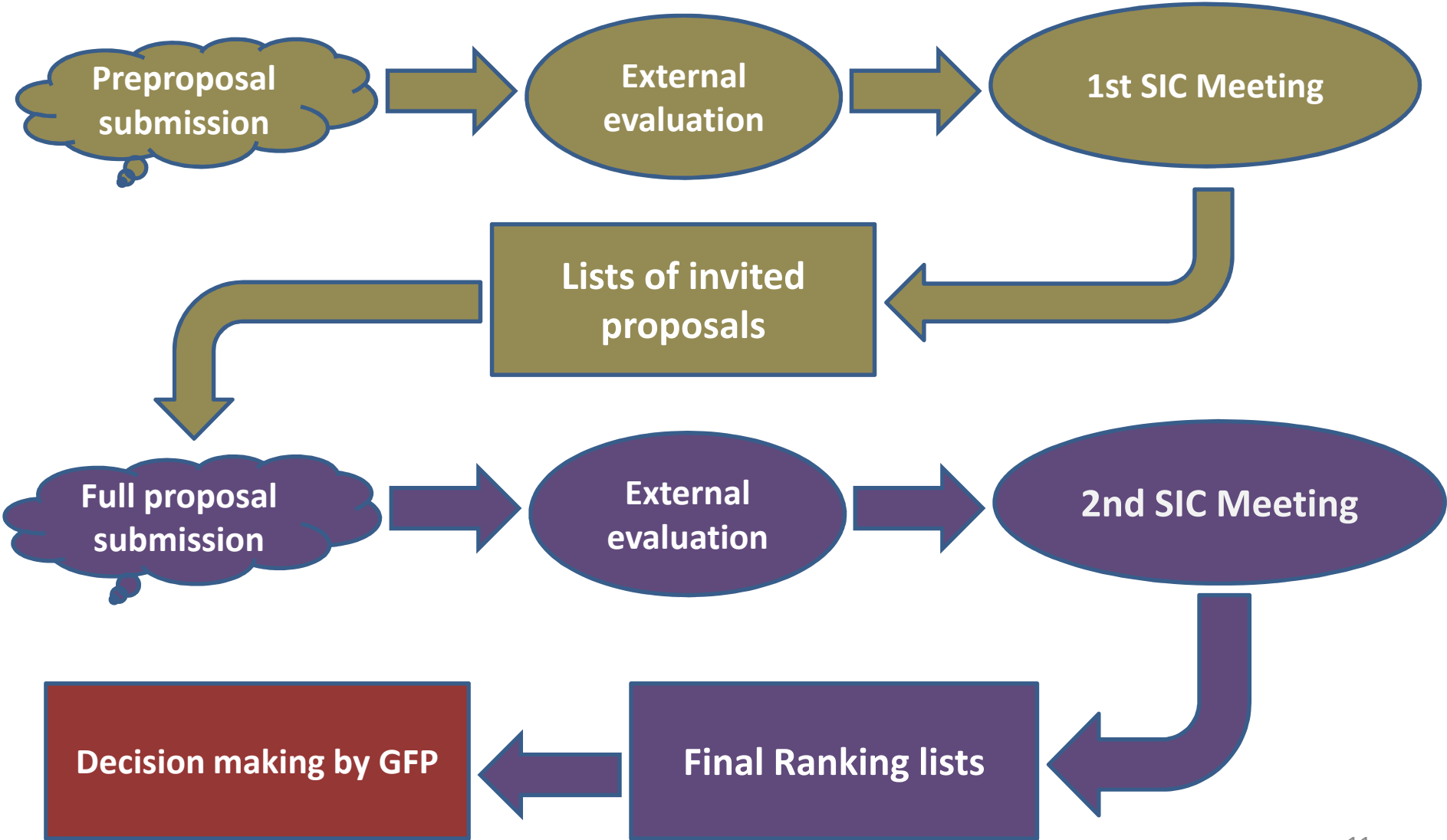


Innovative Projects	S&T Projects
15 February 2011	16 March 2011



ERA.Net RUS evaluation stages

ERA.Net RUS Plus
Call 2017





Pilot Calls in Innovation and S&T

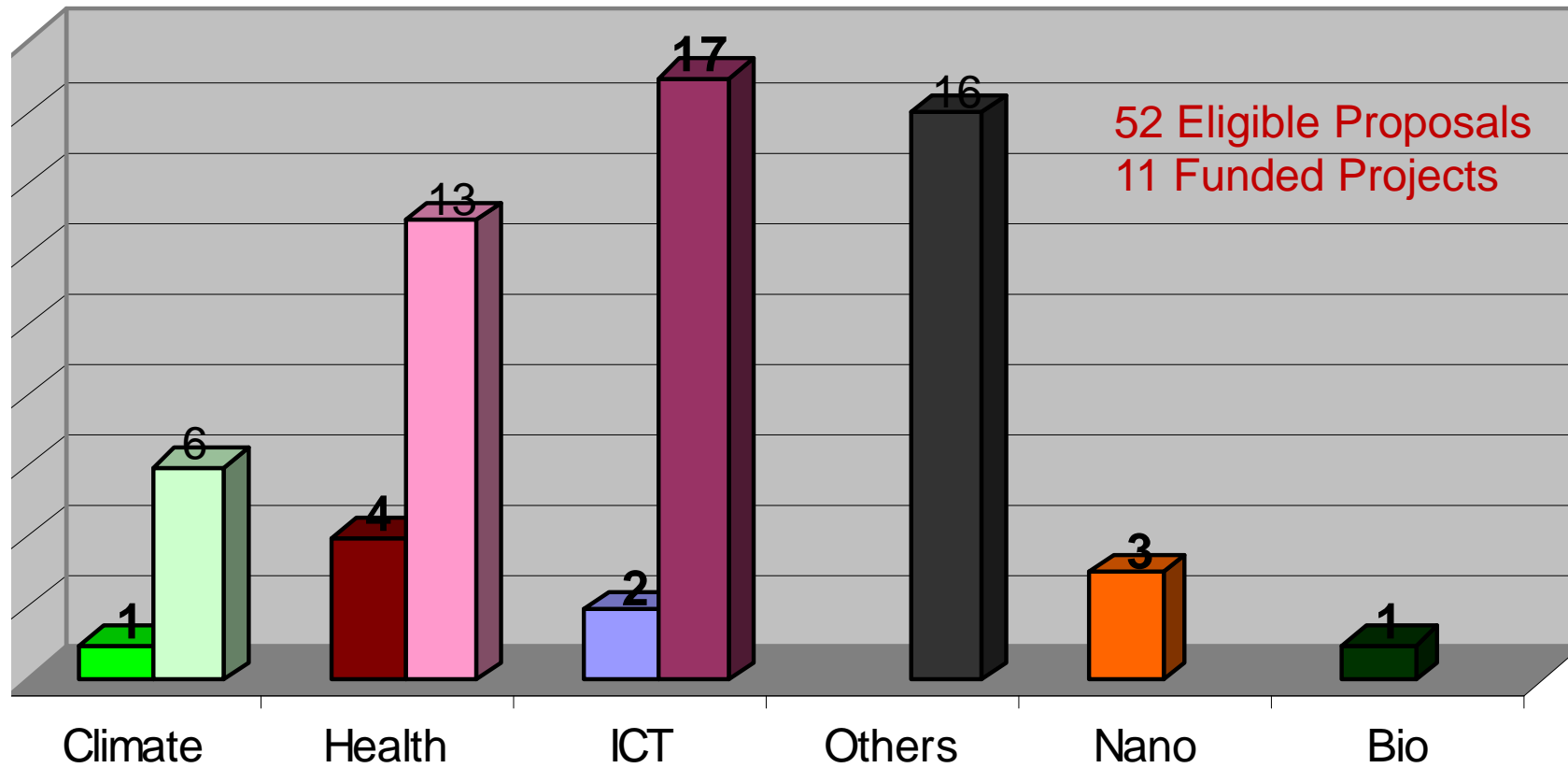
Facts and Figures

	Innovation Call	S&T Call	Total
Participants	213	731	944
Full Proposals	70	212	282
Eligible Proposals	52	177	229
Funded Proposals	11	31	42
Budget per Call	3.5 m	7 m	10.5 m

Projects duration: 24 months; Average project funds: 260.000 €



Innovation Call – Areas

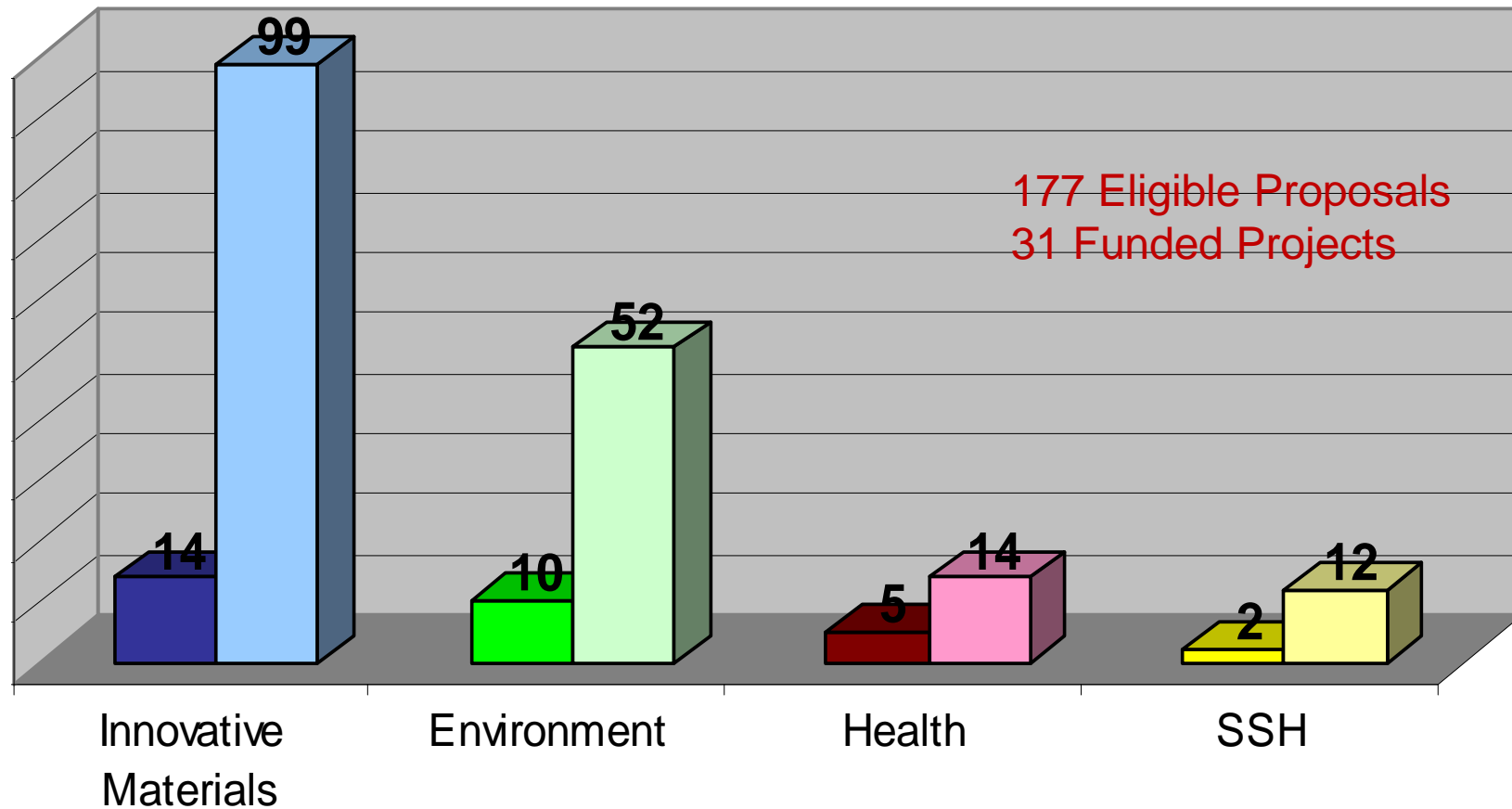




ERA.Net RUS Plus

Call 2017

S&T Call – Research Areas





Conclusion on the pilot action

- ❖ High response in the STI communities on both calls: **282** full proposals, **944** participants from **14** countries
- ❖ For the first time, several key Russian program owners (RAS “4”, RFBR, RFH, FASIE) have participated jointly in a multilateral funding scheme
- ❖ Successful negotiation on harmonizing different funding systems and approaches
- ❖ Development of implementation mechanisms for further activities



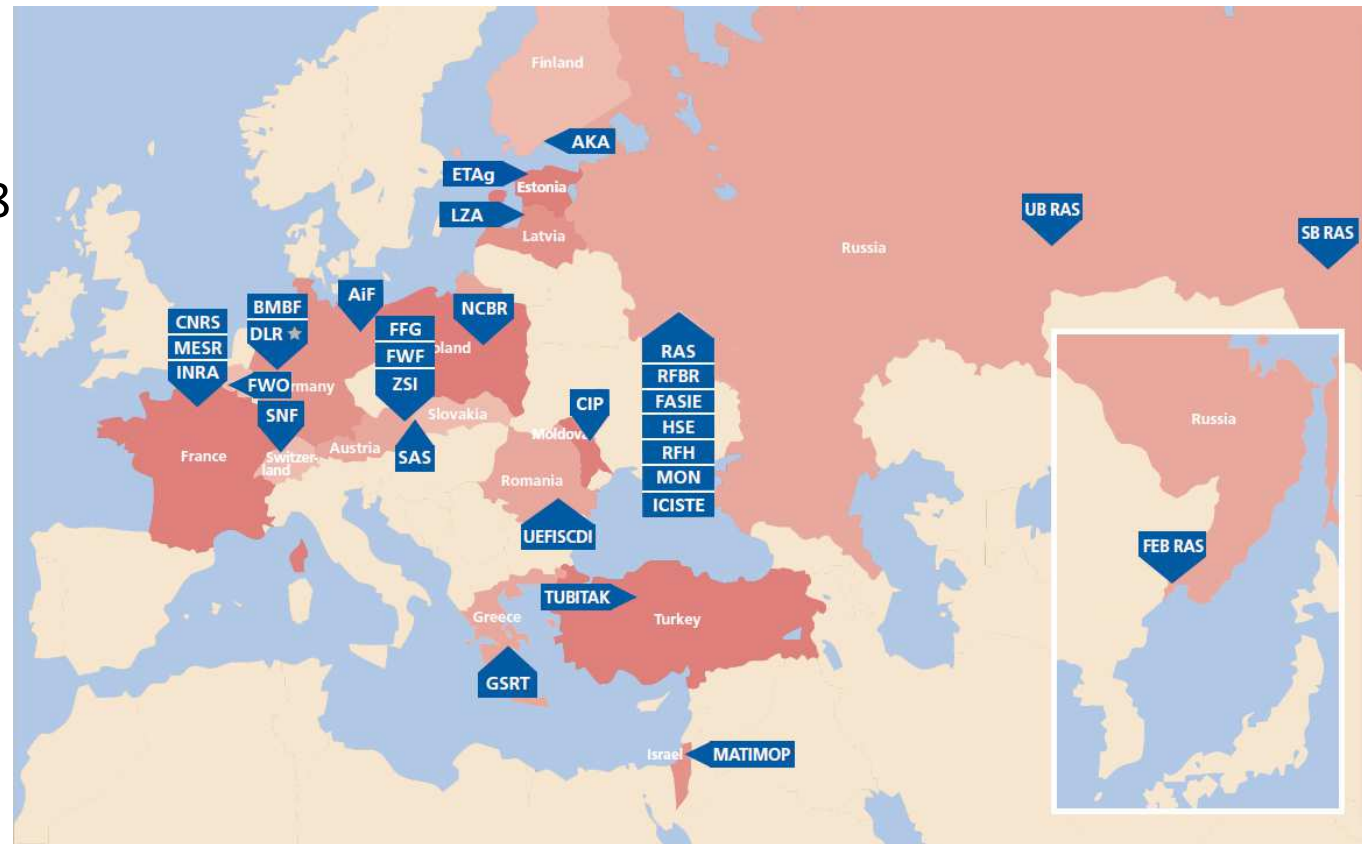
Objectives of the ERA.Net plus scheme with Russia:

- ❖ Promoting the **cooperation in S&T and innovation between Russia** and the EU via a coordination of Funding Programmes
- ❖ Providing a basis for a joint programmatic approach aiming at more efficiency through **increased coherence and coordination**
- ❖ Building a bridge for a **Russian participation in Horizon 2020**
- ❖ Contributing to further develop the “**EU-RUSSIA Strategic Partnership in Research and Innovation**”



ERA.Net RUS plus: Further linking Russia to the ERA

- ❖ 28 project consortia partners from 16 countries
- ❖ Period: 11/2013 - 10/2018
- ❖ 4 WPs
- ❖ 27 funders
- ❖ 2 funding lines S&T and Inno





Innovation Call

9 Funding agencies from 8 countries

- **Austrian Research Promotion Agency (FFG, Austria)**
- **Federal Ministry of Education and Research, BMBF (Germany)**
- **AiF Projekt GMBH, AiF (Germany)**
- **Ministry of Education, Lifelong Learning and Religious Affairs, General Secretariat for Research and Technology, GSRT (Greece)**
- **Israeli Industry Centre for Research and Development, MOITAL (Israel)**
- **National Centre for Research and Development, NCBR (Poland)**
- **Executive Agency for Higher Education, Research, Development and Innovation Funding, UEFISCDI (Romania)**
- **Foundation for Assistance to Small Innovative Enterprises, FASIE (Russia)**
- **Scientific and Technological Research Council of Turkey, TÜBİTAK (Turkey)**



ERA.Net RUS Plus

Call 2017

21 Funding agencies from 14 countries (S&T call)

- Austrian Science Fund, FWF (Austria)
- Research Foundation – Flanders, FWO (Belgium)
- Estonian Research Council, ETAg (Estonia)
- Academy of Finland, AKA (Finland)
- Embassy of France in the Russian Federation, AMBAFRAN (France)
- Institute for Agricultural Research, INRA (France)
- National Centre for Scientific Research, CNRS (France)
- Ministry of Higher Education and Research, MESR (France)
- Federal Ministry of Education and Research, BMBF (Germany)
- Latvian Academy of Sciences, LAS (Latvia)
- Centre for International Projects, CIP (Moldova)
- The National Centre for Research and Development, NCBR (Poland)
- Executive Agency for Higher Education, Research, Development and Innovation Funding, UEFISCDI (Romania)
- Ministry of Education and Science of the Russian Federation, MON (Russia)
- Russian Foundation for Humanities, RFH (Russia)
- Russian Foundation for Basic Research, RFBR (Russia)
- Far Eastern Branch of the Russian Academy of Sciences, FEB RAS (Russia)
- Ural Branch of the Russian Academy of Sciences, UB RAS (Russia)
- Slovak Academy of Sciences, SAS (Slovakia)
- Swiss National Science Foundation, SNF (Switzerland)
- Scientific and Technological Research Council of Turkey, TÜBITAK (Turkey)



ERA.Net RUS Plus

Call 2017

ERA.Net RUS plus SJC (S&T)

❖ Nanotechnologies

- Advanced nano-sensors for environment and health
- Novel functional nanomaterials based on design and modelling
- Nanomaterials for efficient lighting

❖ Environment/Climate Change

- Increasing the reliability of regional climate projections: models and measurement
- Environmental impact and risk of raw materials extraction and transportation
- Extreme climate events and their impact on the environment

❖ Health

- Molecular Mechanisms of Brain Function and Pathology
- Regenerative Medicine and Biomaterials
- Drug Discovery for Cancer, Cardiovascular and Infectious Diseases

❖ Social Sciences and the Humanities

- Understanding Conflict, Identity, and Memory: Past and Present
- Demographic Change, Migration and Migrants
- Opportunities for and Challenges to Regional Development and Social Cohesion



ERA.Net RUS PLUS calls in Innovation and S&T

	Innovation Call	S&T Call	Total
Pre-proposals	68	216	284
Eligible Proposals	59	186	245
Full Proposals	43	72	115
Funded Proposals	18	45	63
Budget per Call	3,5M	20M	23,5M



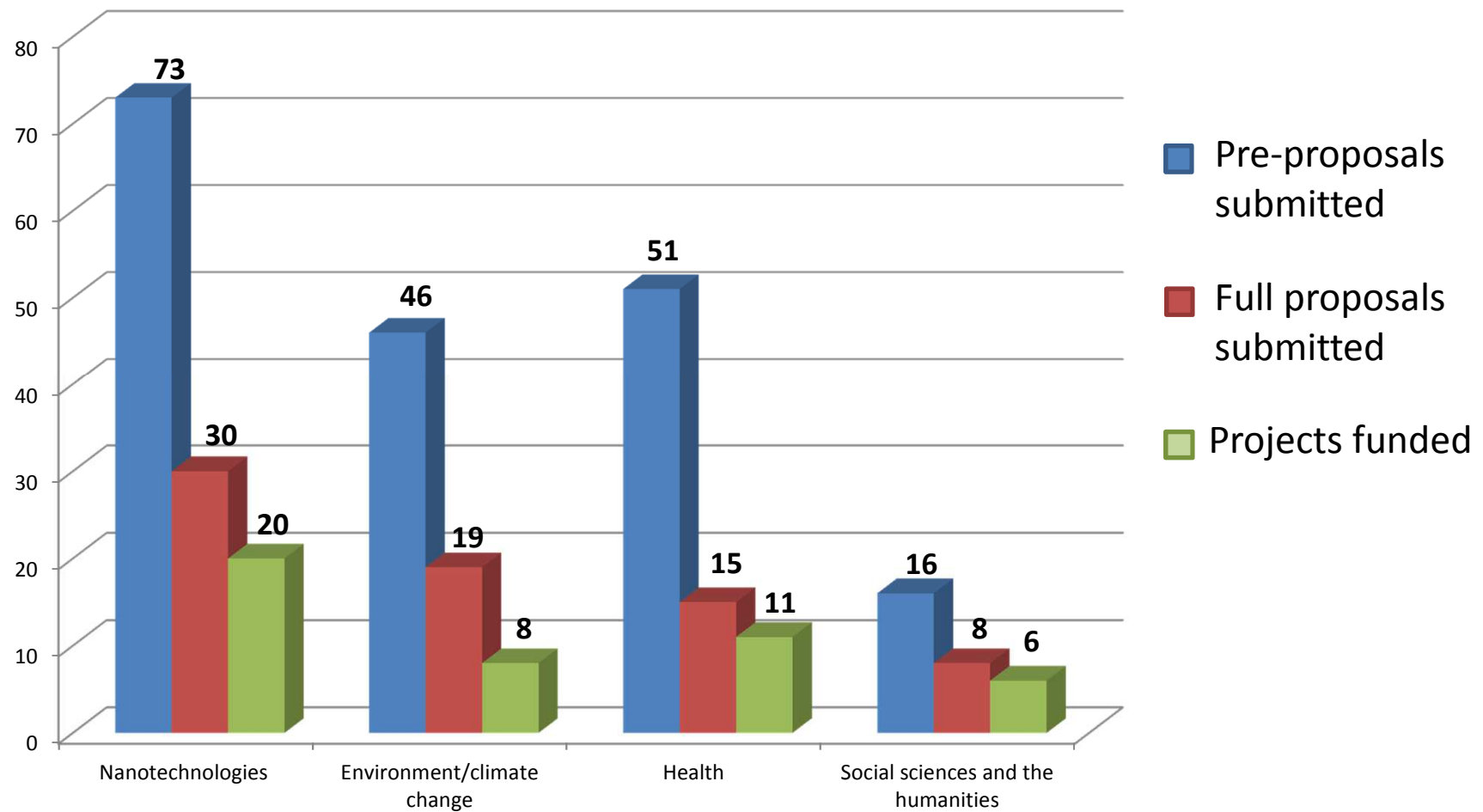
186 eligible proposals submitted for the S&T Call

Nanotechnologies	73
1.1 Advanced nano-sensors for environment and health	31
1.2 Novel functional nanomaterials based on design and modelling	34
1.3 Nanomaterials for efficient lighting	8
Environment/climate change	46
2.1 Increasing the reliability of regional climate projections: models and measurement	8
2.2 Environmental impact and risk of raw materials extraction and transportation	11
2.3 Extreme climate events and their impact on the environment	27
Health	51
3.1 Molecular mechanisms of brain function and pathology	12
3.2 Regenerative medicine and biomaterials	9
3.3 Drug discovery for cancer, cardiovascular and infectious diseases	30
Social sciences and the humanities	16
4.1 Understanding conflict, identity, and memory: past and present	10
4.2 Demographic change, migration and migrants	4
4.3 Opportunities for and challenges to regional development and social cohesion	2



ERA.Net RUS Plus
Call 2017

S&T Call – Research Areas





Preliminary conclusion on the plus action

- ❖ High response in the STI communities on both lines of the call: **284** pre-proposals, **more than 1000** participants from more than **20** countries
- ❖ Successful implementation of initiative that suits different funding systems and approaches (lessons learnt from ERA.Net RUS pilot stage and new experience)
- ❖ It has become not only the largest geographical ERA.NET, but also a flagship initiative in the EU-Russia research funding cooperation.
- ❖ Successful and operational funding scheme for funding organisations from European Union member states and countries associated to the research framework programme Horizon 2020 and Russia has been established.



ERA.Net RUS Further actions – Call 2017

Two funding lines

<p>1) S&T</p> <ul style="list-style-type: none">• Nanotechnologies• Environment/Climate Change• Health• Social Sciences and Humanities• Robotics	<p>2) Innovation</p> <ul style="list-style-type: none">• Thematically open
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Call launched on
May 2, 2017

Launch scheduled on
July 2017



17 Funding agencies from 13 countries (S&T call)

- **Research Foundation – Flanders, FWO (Belgium)**
- **Bulgaria National Science Fund, BNSF (Bulgaria)**
- **Estonian Research Council, ETAg (Estonia)**
- **Academy of Finland, AKA (Finland)**
- **Federal Ministry of Education and Research, BMBF (Germany)**
- **Latvian Academy of Sciences, LAS (Latvia)**
- **Centre for International Projects, CIP (Moldova)**
- **Executive Agency for Higher Education, Research, Development and Innovation Funding, UEFISCDI (Romania)**
- **Ministry of Education and Science of the Russian Federation, MON (Russia)**
- **Russian Foundation for Basic Research, RFBR (Russia)**
- **Far Eastern Branch of the Russian Academy of Sciences, FEB RAS (Russia)**
- **Siberian Branch of the Russian Academy of Sciences, SB RAS (Russia)**
- **Ural Branch of the Russian Academy of Sciences, UB RAS (Russia)**
- **Ministry of Education, Science and Technological Development , MPNTR (Serbia)**
- **Slovak Academy of Sciences, SAS (Slovakia)**
- **Swiss National Science Foundation, SNF (Switzerland)**
- **Scientific and Technological Research Council of Turkey, TÜBİTAK (Turkey)**



ERA.Net RUS Call 2017: Call Topics and Scope

Research proposals regarding the following S&T topics and subtopics can be submitted:

1. Nanotechnologies

- 1.1 Advanced nano-sensors for Environment and Health
- 1.2 Novel functional nanomaterials based on design and modelling

2. Environment/Climate change

- 2.1 Impact of climate change and extreme climate events on the environment
- 2.2 Prevention and remediation of pollution of aquatic systems

3. Health

- 3.1 Regenerative Medicine, Biomaterials and Organ-on -a chip-systems
- 3.2 Drug discovery for cancer, cardiovascular and infectious diseases

4. Social Sciences and Humanities

- 4.1 Demography, conflicts and security issues
- 4.2 Traditional and non-traditional cultural values
- 4.3 Opportunities for and challenges to regional development and social cohesion

5. Robotics

- 5.1 Robotics Design and Human-Robot Interaction
- 5.2 Robots in agriculture, medicine, industry, maritime and education



ERA.Net RUS Plus

Call 2017

NEXT STEPS?



ERA.Net RUS Plus Call 2017

More information on www.era-net-rus.eu



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- [JOINT CALLS](#)
- [CONTACT POINTS](#)
- [ERA.NET RUS ARCHIVES](#)
- [INTRANET \(SHAREPOINT\)](#)

FULL-TEXT SEARCH



This project has received funding from the European Union's Seventh Framework Programme for research, technological development and demonstration under grant agreement no 609556.

ERA.Net RUS Plus – strengthening STI links between Russia and the European Research Area

The ERA.NET PLUS initiative, which will run from November 2013 to October 2018, aims at enhancing the coordination of research programmes between the EU Member States (MS)/ Associated Countries (AC) and Russia. The project will implement Joint Calls for excellent transnational research projects in the fields of NMP, Health, Environment, SSH and Innovation. ERA.Net RUS Plus is a follow-up to the current ERA.Net RUS action that was set up from 2009 to 2013 to link Russia to the European Research Area. ERA.Net RUS was the first joint call activity in which prominent Russian Funding Parties participated in a multilateral funding scheme.



Facilitating EU-Russian Scientific and Societal Engagement

In an article for 'Science and Diplomacy', a quarterly publication of the AAAS, the authors Alexander Sokolov, Karel Haegeman, Manfred Spiesberger, and Mark Boden reflect on EU-Russia relations in the field of science and technology cooperation. → more

PUBLISHED IN DECEMBER 2014



2nd round of Call for Innovation Projects: Full proposals until 2 December 2014, 17:00 CET

The 2nd round of the Joint Call for Innovation Projects – submission of full proposals – was open until 2 December 2014, 17:00 CET (19:00 Moscow time). → more

INNOVATION PROJECTS: 2ND ROUND OF PROPOSALS



ERA.Net RUS Plus plays important role in EU-Russia science cooperation

Since 2005 the EU and Russia have committed to creating a 'Common Space on Research, Education and Culture'. An article on the web portal of the European Commission highlights the role of ERA.Net RUS/ERA.Net RUS Plus in developing this Common Space. → more

ERA.NET RUS PLUS SPECIAL FEATURE



Joint Calls 2014

ERA.Net RUS Plus implemented two Joint Calls for transnational and scientifically excellent research projects: one on 'Innovation', and one for 'S&T projects'. Both calls are closed now. → more

CALLS CLOSED



Joint Calls 2014 – Partnering Platform

The 'ERA.Net RUS Plus Partnering Platform' is an online tool where potential applicants responding to the Joint Call for S&T Projects for proposals can find suitable partners for eligible project consortia and present their research ideas. → more

PARTNERING – CALL FOR S&T PROJECTS

DOCUMENTS

Flyer: A successful pilot case for a joint EU-Russia funding mechanism - Achievements [PDF - 2.92 MB]



ERA.Net RUS Plus Flyer [PDF - 336.0 kB]



(updated 26 Sep 2014)

ERA.Net RUS Foresight Report [PDF - 16.28 MB]



ERA.Net RUS & Funded Projects 2012 [PDF - 3.36 MB]





Thank you for your attention!

