

# **Exchange of experience and fostering networking with information service providers in the sphere of science, technology and innovation**

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# HSE - National Research University

**HSE – the only  
National Research University in Russia  
in economics and social sciences**

***Strategic goal – to become an  
internationally recognized research  
university***

# Research infrastructure

**41 research  
institutes  
and centers**

**32 research  
& educational  
laboratories**

**In-house  
faculty research**

**13 international  
research  
labs headed by leading  
foreign scientists  
(since 2011)**



# Institute for Statistical Studies & Economics of Knowledge

**Established in 2002**

<http://issek.hse.ru>

- ∅ Theory, methodology and practice of **statistical measurement** in STI, education, and Information Society
- ∅ **Comparative analysis of trends** in STI, education and Information Society in Russia and in other countries
- ∅ Organization of problem-oriented statistical, sociological and **expert studies of STI policy**
- ∅ **Long-term forecasting (Foresight)** and priority setting for STI, social and economic development at federal, sub-national, sectoral and corporate levels
- ∅ Development of **innovation strategies, programs and road maps** for companies, sectors of economy and Russia's regions
- ∅ Methodological and organizational support to the organization and functioning of **technology platforms and territorial innovation clusters**
- ∅ Support to participation of universities and research organizations in the EU Framework RTD Programs (NCPs "Mobility", "INCO")



**S&T International Cooperation Network for  
Eastern European and Central Asian Countries**

**<http://www.inco-eeca.net>**



**Enhancing the bilateral S&T Partnership with  
the Russian Federation**

**<http://www.bilat-rus.eu>**



**Linking Russia to the ERA: Coordination of  
MS´/AC´ S&T Programmes towards and with  
Russia**

**<http://www.eranet-rus.eu>**

## Enhancing the bilateral S&T Partnership with the Russian Federation

*Укрепление двустороннего научно-  
технического сотрудничества с Российской  
Федерацией*

**BILAT-RUS**

**<http://www.bilat-rus.eu/>**

# Objectives

- Ø **to facilitate coherent information dissemination and awareness raising on EU and Russian S&T programmes, on ongoing cooperation programmes and activities**
- Ø **to contribute to the optimisation of the framework and the instruments for enhanced future EU-Russian cooperation across all S&T and innovation themes**
  - Ø existing instruments, rules, regulations and agreements at bilateral (Member States and Russia) and Community level (EU and Russia)
  - Ø examples of good practice and major barriers to successful cooperation
  - Ø options for optimising the common legal and organisational frame based on efficient instruments for future discussion by policy stakeholders
- Ø **to create a knowledge base for emerging horizontal issues of sustainable cooperation**
  - Ø mobility of researchers, S&T infrastructure and innovation
- Ø **to meet the short and medium term needs of existing and upcoming joint thematic EU-Russian Working Groups on S&T cooperation**
  - Ø identification and analysis of rules, procedures and support mechanisms for the Working Groups

# Participants

- Ø **International Bureau of the Federal Ministry of Education and Research (Germany)**
- Ø **National Research University „Higher School of Economics“ (Russia)**
- Ø **Russian Research Centre ‘Kurchatov Institute‘**
- Ø **State Technological University ‘Moscow Institute of Steel and Alloys’ (Russia)**
- Ø **Centre for Study of International S&T and Educational Programmes (Russia)**
- Ø **National Centre for Scientific Research (France)**
- Ø **Austrian Research Promotion Agency**
- Ø **Centre for Social Innovation (Austria)**
- Ø **Centre for Innovation and Technology in NRW (Germany)**



- ⊘ **Web-portal with information on EU-Russian cooperation in S&T <http://www.st-gaterus.eu/>**
- ⊘ **EU-Russia S&T cooperation internet guide**
- ⊘ **Searchable database Russian S&T institutes**
- ⊘ **Several case studies of good cooperation practice in S&T**
- ⊘ **Inventory of existing agreements, programmes, instruments, rules and regulations on EU-Russian S&T cooperation**
- ⊘ **Analytical report on best practice instruments & barriers for successful S&T cooperation**
- ⊘ **Analytical report on enhancing EU-Russia scientific mobility**
- ⊘ **Support to establish co-operation between Russian and EU technology platforms**

<http://www.bilat-rus.eu/en/98.php>

- ❌ Opportunities for EU-Russia Research Cooperation through the EU 7-th Framework Programme
- ❌ Internet guide of the Russian science and technology landscape:
  - ❌ Target audience – policy makers
  - ❌ Target audience – scientists
- ❌ International Staff Exchange Scheme (IRSES)



**INTERNET GUIDELINE OF THE RUSSIAN SCIENCE AND TECHNOLOGY LANDSCAPE**  
Target audience - policy makers

**Activities and priorities**  
The Russian R&D priority areas were revised in 2008-2010 and include:

- Materials and nanotechnology systems
- Space systems
- Health technologies
- Nanotechnology and electronic systems
- Environmental safety
- Energy efficiency and energy saving

**Russian research strengths**  
In 2008, Russia's research sector employed 3,000 R&D organizations, employing about 281,3 R&D personnel, of which 42% were researchers. Major R&D organizations and personnel belong to the following entities:

**Table 1. Russian research indicators (for 2008)**

Group	Value
State scientific expenditure on R&D (million rubles)	41,031.4
as a percentage of GDP	0.24
Federal budget expenditure on R&D (million rubles)	1,627,314
as a percentage of GDP	0.10

**Russian R&D progress and foundations**

- Federal Targeted Programme "Support of and Development in Priority Fields of R&D Sector in Russia in 2007 - 2012"
- Federal Targeted Programme "Development of Science Priority in Russia in 2007 - 2013"
- Federal Targeted Programme "Nanotechnology Base in Russia in 2007 - 2012"
- The development of nuclear energy (Federal Targeted Programme in Russia in 2007-2010 and 2010-2015)
- Federal Targeted Programme "Science and Scientific-Technological Human Resources for Innovative Russia in 2009 - 2013"

**The state support of leading universities**  
The following categories of university were introduced with the state support: Federal Universities, National Research Universities.

**EU Russia SET Web-Portal**  
is an information system, which:

- identifies international cooperation in science and technology
- facilitates the networking of research organizations and institutions in Russia and the European Union, and
- promotes scientific dialogue between Russia and EU Member States.

**SET Data RUS EU** provides:

- detailed and up-to-date information about the priority development of research and technology in Russia,
- information about innovative projects, programmes and partner organizations,
- contact information for local experts.

**IRSES (CI) - Russia SET profile**  
provides information on European, national and regional research projects, events and programmes in the EU and beyond.

**Initiative of the European Union to the Russian Federation**  
is a project of the European Union.

**INTERNET GUIDELINE OF THE RUSSIAN SCIENCE AND TECHNOLOGY LANDSCAPE**  
Target audience - policy makers

After the year 2003, Russia's SET policy became oriented towards promoting innovation and sustainable economic development.

The Russian R&D sector is mostly government-owned and government-financed: 62% of financing comes from the federal budget. Moreover, 73% of R&D organizations are state-owned and 71% of all R&D personnel work in state-owned R&D organisations.

Science and research institutes have traditionally dominated the structure of Russian science. The activity of organizations, categorized by type of economic activity, is in the field of R&D (56.2% of organizations), education (about 13.7%), as well as processing industry (1.7%). From the geographical perspective, these organizations are also concentrated in Moscow, St. Petersburg and some other cities - large industrial, scientific and educational centers.

The project BILAT-RUS is coordinated by International Bureau of the Federal Ministry of Education and Research, Germany.  
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The content of this publication is the sole responsibility of the BILAT-RUS Consortium partners and does not necessarily reflect the views of the European Union.

[http://www.st-gaterus.eu/\\_media/](http://www.st-gaterus.eu/_media/)

The **S&T Gate RUS.EU Newsletter** is published two times a year.

The next edition is due to be published in September 2011.



## S&T Gate RUS.EU: Identify and analyse the S&T Potential of EU-Russia Cooperation

<http://www.st-gaterus.eu/>

- ∅ Internet guide on EU-Russia S&T cooperation
- ∅ S&T landscape and structure
- ∅ Documents , agreements and regulations
- ∅ Cooperation programmes and projects
- ∅ News
- ∅ Database of Russian S&T institutes <http://www.st-gaterus.eu/en/540.php>



**Thank you for your attention!**

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