



## Clients and Partners

### In Russia:

- Presidential Administration
- Federal Government and Major Government agencies:
  - Ministry of Education and Science
  - Ministry of Economic Development
  - Ministry of Industry and Trade
  - Ministry of Communications and Mass Media
  - Ministry of Natural Resources and Environment
  - Federal State Statistics Service
- Regional Governments (Moscow, Samara, Tomsk, Tula et al.)
- Development institutions (Rusnano, Russian Venture Company, Skolkovo)
- Science foundations
- Large companies (Gazprom, Rosneft, Rosatom, Transneft, Russian Electronics, Russian Railways, Aeroflot, et al.)
- National research centres (Kurchatov Institute, Central Aerohydrodynamic Institute)
- National research universities
- Russian Technology Platforms
- Regional innovation clusters
- International and domestic consulting companies

### Abroad:

- International organisations (OECD, European Commission, UNIDO, UNESCO, World Bank et al.)
- Research Centres: ISI FhG (Germany), NISTEP (Japan), KISTEP, STEPI (South Korea), Institute of Management and Planning CAS (China), JRC-IPTS (European Commission), CGEE (Brazil)
- Universities (UK, USA, Canada, South Korea, China, Brazil, South Africa, Germany, Switzerland, the Netherlands et al.)
- National ministries and funding agencies
- Transnational corporations



## Publications

### Foresight-Russia

an academic journal published by HSE since 2007 and administered by ISSEK: quarterly in Russian and (since 2014) biannually in English. Since 2013 indexed in Scopus.  
<http://foresight-journal.hse.ru/en/>

### Springer books series STI Studies

- Methodologies for Scientific Research in the field of STI Management
- Economics of Innovation
- Strategies in STI Management
- STI Policy
- Measurement of STI
- Strategic Planning and Foresight

### Working Paper Series “Science, Technology and Innovation”

(in the framework of HSE Basic Research Programme)



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HIGHER SCHOOL OF ECONOMICS  
NATIONAL RESEARCH UNIVERSITY

# FORESIGHT STUDIES





## HSE International Research and Educational Foresight Centre

**Established in 2006** as a think tank and a research unit within the HSE Institute for Statistical Studies and Economics of Knowledge (ISSEK) with a mission to promote Foresight studies in S&T, innovation and other areas.

**ISSEK Director:** Professor Leonid Gokhberg, First Vice-Rector at HSE.

The Centre is a strategic partner of international organisations, research centres and universities in performing Foresight studies. It has been nominated as a **Regional UNIDO Centre for Technology Foresight in Russia**.

The Centre actively interacts with public officials, CEOs of large and medium enterprises, business associations, civil society organisations.

**Director:** Alexander Sokolov, Tenured Professor at HSE, Deputy Director of HSE ISSEK.

**The Centre's Advisory Board** (Chairman — Professor Luke Georgiou, Vice-President for research and innovation at the University of Manchester, UK) involves leading international scholars.

### Areas of activities

- developing Foresight methodology
- futures studies in S&T, innovation, various socio-economic fields
- identification of S&T priority areas and developing the list of Critical Technologies of the Russian Federation
- roadmaps for the prospective S&T areas, innovation markets and products, sectors of economy, and Russia's regions
- expert support, consulting services for Russian government agencies, companies, business associations, universities, regional innovation clusters, technology platforms
- education and training in Foresight
- coordination and methodological support of sectoral S&T Foresight centres
- methodological and organisational support of the National Technology Foresight System, established according to the RF Presidential Decree of May 7, 2012 "On Long-Term State Economic Policy"

### Resources

**Databases** of statistical, bibliometric, patent information and global technology trends

**Knowledge base** on Russian and international Foresight projects

**Experts database** of over ten thousand leading Russian and international researchers and specialists

**Software** for roadmapping and interaction with expert's network



## Foresight projects

### National

The Centre plays a key role in developing methodology for S&T Foresight studies performed under the auspices of the **Russian Ministry of Education and Science**, priority setting and identification of critical technologies, which served as the basis for many strategic documents including:

- **National S&T Foresight 2030** (approved by the RF Prime Minister in 2014)
- **Priority S&T development areas and critical technologies in the Russian Federation** (approved by the RF Presidential Decrees in 2006 and 2011)

The Centre participated in preparation of the Long-Term Socio-economic Development Forecast for the Russian Federation Until 2030 (**the Russian Ministry of Economic Development**).

### Corporate and regional

The Centre developed an original methodology for building **technology roadmaps** for innovation markets and technologies and registered the know-how "Roadmaps building methodology".

Foresight studies and roadmaps for:

- Russian regions
- large companies, leading R&D centres, and universities
- promising S&T areas, innovation markets and products
- sectors of the economy (oil and gas, natural resources, power generation, nuclear industry, power engineering, aircraft construction, shipbuilding, space industry, medicine and pharmaceuticals, ICT and mass media, water supply, nanotechnology, microelectronics, composite materials, etc.)

The Centre conducts integrated monitoring of global technology development trends, and regularly publishes relevant trendletters.

### International

- Linking R&D Strategies, Foresight and Stimulation of EU-Russia Cooperation in Nanoelectronics Technology (EU-RU.NET, FP7)
- Prospects for S&T cooperation between Russia and the EU member states (ERA.Net RUS, FP7)
- Establishing S&T Foresight centres in Ukraine and Belarus (UNIDO)
- Development of industry-specific critical technologies for the Republic of Uzbekistan (World Bank)
- Evaluation of national Foresight programmes in the UK (the UK Ministry of Science) and Colombia



## The International Research Laboratory for Science and Technology Studies

The Laboratory, aimed at undertaking Foresight and STI policy studies, was created in the structure of the Centre in 2010.

**Head:** Professor Jonathan D. Linton, University of Ottawa, Canada.

The key research areas:

- methods and instruments for analysis of S&T and related policies (Foresight, bibliometric and patent analyses, etc.)
- monitoring and evaluation of STI policies: global trends, Grand Challenges, priorities, policy instruments, etc.



## Education and training

The Centre experts provide courses:

- within **the HSE English-language Master Programme "Governance of Science, Technology and Innovation"**
- **for graduate and post-graduate students** "Strategies and policies for STI" (in English), "Foresight for ICT sector" (in English), "Long-term STI Foresight" (in Russian)
- **for companies, universities and research organisations** master-classes on Foresight, strategic management and shaping STI policy



## International academic conference on Foresight

ISSEK and its Foresight Centre annually organise dozens of international workshops, invited lectures and master classes by renowned scholars. Since 2011 the Centre organises annual international conference "**Foresight and STI Policy**".

Website: <http://issek.hse.ru/forsconf-2014>

In the framework of the annual **April HSE International Academic Conference on Economic and Social Development** ISSEK and its Foresight Centre organise a special session on STI Policy and Foresight.

Website: <http://conf.hse.ru/en/2015/>