



HIGHER SCHOOL OF ECONOMICS
NATIONAL RESEARCH UNIVERSITY

Eighth International Academic Conference
Foresight and STI Policy

November 15-16, 2018

National Research University Higher School of Economics
Myasnitskaya street, 11 (Room 518)
Moscow, Russia

Programme

Version 2.0

November 15, 2018

9.00 Registration of participants

9.50 Welcome and Introduction to the Conference

Session 1: S&T Foresight: New Methods and Application Areas

Chair: Prof. Leonid Gokhberg, HSE, Russia

10.00 Dr. Ozcan Saritas, HSE ISSEK, Russia
An Evolutionary Analysis of the STI Policy Domain: Is There a Paradigm Shift?

10.20 Dr. Ilya Kuzminov, HSE ISSEK, Russia; Mr. Pavel Bakhtin, HSE ISSEK, Russia
Word Embedding Models for Semantic Analysis and Strategic Consulting

10.40 Dr. Alexander Chulok, HSE ISSEK, Russia
Foresight for Skills and Competences: New Agenda in the Era of Global Digitization

11.00 Dr. Petrus Letaba, National Advisory Council on Innovation, Department of Science and Technology, Republic of South Africa
Co-evolutionary Properties of Innovation Model and Technology Foresight and Roadmapping Generations

11.20 Coffee break

Session 2: Foresight: Policy Applications

Chair: Dr. Ozcan Saritas, HSE ISSEK, Russia

11.40 Dr. Matthias Weber, Austrian Institute of Technology, Austria
Foresight in Support of Designing Mission-oriented R&I Programmes: The Case of "Horizon Europe"

12.00 Dr. Fabienne Goux-Baudiment, Research Centre for Futures Studies "proGective", France
Towards a X.0 Economy: New Business Models to Be Invented

12.20 Dr. Attila Havas, Institute of Economics, Hungarian Academy of Sciences, Hungary
The Relevance of Foresight for Supporting Research Infrastructure Policies

12.40 Lunch

Session 3: Foresight: International Perspective

Chair: Dr. Alexander Sokolov, HSE ISSEK, Russia

13.40 Dr. Jose Cordeiro, Global Futures Studies and Research Center "The Millennium Project", USA
2050 Global Scenarios for Technology and Work

14.00 Dr. Jonathan Calof, University of Ottawa, Canada
Challenges to the Sustainable Foresight in Government Departments and Agencies: Results of a Canadian Expert Panel

14.20 Ms. Liana Tang, Strategy Group, Prime Minister's Office, Singapore
Foresight for Governance: the Singapore Experience

14.40 Mr. Garth Williams, Technology Innovation Agency, South Africa; Prof. Ben Martin, University of Sussex, United Kingdom (by video-conferencing)
How Foresight Can Make a Greater Policy Impact: A study of the Foresight/Policy-making Interface in the United Kingdom's Foresight Programme

15.00 Coffee break

Session 4: Discussion: Current National Agenda for Technology Development and New Approaches to Measuring Innovation at the Regional level

Chair: Prof. Leonid Gokhberg, HSE, Russia

15.20 Dr. Evgeniy Kutsenko, HSE ISSEK, Russia
Key Proposals for Russian Regional Innovation Ranking Development

15.40 Discussion with Representatives of Federal and Regional Authorities, Development Institutes, Innovation Clusters, and Expert Community

17.40 Wrap-up

November 16, 2018

9.00 Registration of participants

Session 5. Science, Technology and Innovation Policy

Chair: Dr. Wolfgang Polt, Joanneum Research Policies, Austria

09.40 **Dr. Mikhail Gershman, Dr. Vitaly Roud**, HSE ISSEK, Russia
Doing Science: The Impact of Policy Support on Business Climate

10.00 **Prof. Keun Lee**, Seoul National University, Republic of Korea
Measuring and Comparing the National Innovation Systems in Russia and around the World

10.20 **Dr. Konstantin Fursov**, HSE ISSEK, Russia
New Challenges in Managing Research: Best Practices and Lessons Learned from Russian Public Research Institutions

10.40 **Dr. Oguz Demir**, HSE ISSEK, Russia
Innovation and Hi-Tech Exports: Panel Approach and Stochastic Frontier Analysis

11.00 Coffee break

Session 6: Science, Technology and Innovation Policy (Continued)

Chair: Dr. Nicholas S. Vonortas, the George Washington University, USA; HSE ISSEK, Russia

11.20 **Dr. Sacha Wunsch-Vincent**, World Intellectual Property Organisation (*by video-conferencing*)
Global Innovation Index 2018 Edition: The Main World Innovation Trends and the Particular Performance of the Russian Federation

11.40 **Dr. Wolfgang Polt**, Joanneum Research Policies, Austria
Roll out the missions? - On the state of discussions about STI missions

12.00 **Dr. Vitaly Roud**, HSE ISSEK, Russia
Firm-level Evidence for Technological Upgrading: Innovation Strategies vs. Technological and Organizational Capital

12.20 **Dr. Riel Miller**, UNESCO
Futures Literacy and Innovation: Understanding the Conditions for Evolutionary Exuberance

12.40 Lunch

Session 7: Science, Technology and Innovation Policy (Continued)

Chair: Dr. Dirk Meissner, HSE ISSEK

13.40 **Prof. Jeong-Dong Lee**, Seoul National University, Republic of Korea
Development Patterns of the Two Technological Capabilities and the Middle-income Trap

14.00 **Mr. Ivan Sterligov, Dr. Tatiana Savina, Ms. Alexandra Chichkova**, Centre for Scientometric Studies, HSE, Russia
Grant Support to Russian Studies Resulted in Publications in Leading International Journals

14.20 **Dr. Jonathan Linton**, HSE, Russia; Sheffield University, UK; **Dr. Linda Xu**, University of Sheffield, UK
The Variability of Impact of Technological Innovation across the Supply Chain: Implications to Foresight and Roadmapping

14.40 **Ms. Valeriya Vlasova**, HSE ISSEK, Russia
Heterogeneity of Barriers to Industry-PRO Interactions

15.00 Coffee break

Working languages: English and Russian with simultaneous translation.

Special Workshop

The Future of Science and Technology in BRICS Countries: Challenges and Responses



Co-chairs: **Dr. Andrey Anikeev**, Department of Public Research, Science & Technology and Innovation Policy, Ministry of Science and Higher Education of the Russian Federation; **Dr. Mlungisi Cele**, Department of Science and Technology, Republic of South Africa

15.20	Welcome address
15.30	Dr. Andrés Barreneche Garcia , Organisation for Economic Co-operation and Development Collecting and Analysing Semi-structured STI Policy Data: The Case of the STIP Compass Database
15.50	Mr. Maxim Kotsemir, Dr. Sergey Shashnov , HSE ISSEK, Russia S&T Cooperation between BRICS Countries: Bibliometric Analysis
16.10	Mr. Yaroslav Sorokotyaga , Russian Foundation for Basic Research, Russia BRICS STI Framework Programme: Collaborative Calls for Projects
16.30	Dr. Marcio de Miranda Santos , Center for Strategic Studies and Management, Brazil Analytical Support to Policy Development in Brazil: Examples of STI Strategic Intelligence Processes
16.50	Dr. Mlungisi Cele , Department of Science and Technology, Republic of South Africa South Africa's STI Policy Developments and Experiences
17.10	Mr. Vladimir Avdeenko , Ministry of Agriculture of the Russian Federation Federal S&T Programme for the Development of Agriculture in 2017–2025
17.30	Ms. Olga Yudina , Ministry of Energy of the Russian Federation BRICS Energy Research Platform
17.35	Dr. Yanzhao Lai , the George Washington University, USA; Dr. Nicholas S. Vonortas , the George Washington University, USA; HSE ISSEK, Russia Returnee Academic Entrepreneurship in China
17.55	Dr. Arnab Chowdhury , HSE, Russia “Regulating the Atom”: Innovations and Foresight in India’s Nuclear Energy Policy
18.15	Wrap-up

Working languages: English and Russian with simultaneous translation.