



XVI April International Academic Conference on Economic and Social Development

Section «Science and Innovation»

April 8-10, 2015

National Research University Higher School of Economics
Moscow, Myasnitskaya Street, 20

PROGRAMME

April 8, 2015

Workshop “Foresight and Priority Setting in Science, Technology and Innovation:
Issues for S&T Policy”

Chairs: L. Gokhberg (HSE), A. Sokolov (HSE)

10:00-10:15	Opening and Welcome L. Gokhberg (HSE, Russia) G. Andruschak (Ministry of Education and Science of the Russian Federation)
10:15-11:30 Room 116 ENG, RUS	Session: Foresight for Sectoral S&T and Innovation Policy – 1 Moderator: M. de Miranda Santos (Centre for Strategic Studies and Management (CGEE), Brazil) R. Saygitov (HSE, Russia) S&T Priorities in the Healthcare Sector K. Sypalo (Central Aerohydrodynamic Institute named after N.E. Zhukovsky (TsAGI); Moscow Aviation Institute (National Research University), Russia) Foresight for Aircraft Industry A. Chulok (HSE, Russia) Foresight for Universities: A Tool for Development of a Long-term Strategy Discussant: I. Miles (University of Manchester, UK; HSE)
11:30-12:00	Coffee break

<p>12:00-13:30</p> <p>Room 116</p> <p>ENG, RUS</p>	<p>Round table: S&T Foresight in Russia: New Approaches Moderator: L. Gokhberg (HSE)</p> <p>Issues for discussion:</p> <ul style="list-style-type: none"> – New methodological approaches to the development of long-term science and technology Foresight – Coordination of S&T Foresight studies at the national, sectoral, corporate and regional levels: requirements of the Federal Law "On the Strategic Planning in the Russian Federation" (dd. 28.06.2014 № 172-ФЗ) and other regulatory legal acts – S&T Foresight as a basis for development and revision of strategic planning documents (sectoral strategies and policies, government programmes, programmes of innovation development of state-owned companies, etc.) <p>Participants: I. Agamirzyan (Russian Venture Company), A. Dub (ROSATOM), M. Glukhova (Russian Union of Industrialists and Entrepreneurs), I. Ivanov (Ministry of Energy of the Russian Federation), A. Klepach (Bank for Development and Foreign Economic Affairs (Vnesheconombank), Russia), A. Kulapin (Ministry of Energy of the Russian Federation), E. Kuznetsov (Russian Venture Company), A. Medvedev (Federal Agency of Scientific Organizations, Russia), A. Povalko (Ministry of Education and Science of the Russian Federation), G. Senchenya (Ministry of Agriculture of the Russian Federation), Yu. Simachev (Russian Science Foundation), A. Shadrin (Ministry of Economic Development of the Russian Federation), G. Shepelev (Executive Office of the President of Russia)</p>
<p>13:30-15:00</p>	<p>Lunch</p>
<p>15:00-16:30</p> <p>Room 116</p> <p>ENG, RUS</p>	<p>Session: Foresight for Sectoral S&T and Innovation Policy – 2 Moderator: J. Linton (University of Ottawa, Canada; HSE)</p> <p>P. Rudnik (Department of Science, Industrial Policy and Entrepreneurship, Moscow City Government, Russia)</p> <p>The Role of Technology Foresight in Development of Strategies for Major State-owned Companies O. Saritas (HSE)</p> <p>Weak Signals of S&T and Socio-economic Development: Identification and Use A. Maximov (A.V. Topchiev Institute of Petrochemical Synthesis, Russian Academy of Sciences), L. Matich (HSE, Russia)</p> <p>Technology Roadmap for Oil Refining and Petrochemistry A. Bereznoy (HSE, Russia)</p> <p>Critical Technologies for the Fuel and Energy Sector Discussant: T. Thurner (HSE)</p>
<p>16:30-17:00</p>	<p>Coffee break</p>
<p>17:00-18:30</p> <p>Room 116</p> <p>ENG, RUS</p>	<p>Session: Implementation of Results of Foresight Studies in State S&T and Innovation Policy Moderator: A. Bereznoy (HSE, Russia)</p> <p>A. Grebenyuk (HSE, Russia), A. Sokolov (HSE, Russia), S. Shashnov (HSE, Russia)</p> <p>Setting Priorities for S&T Development M. de Miranda Santos (Centre for Strategic Studies and Management (CGEE), Brazil) CGEE Intelligence Services to the Brazilian ST&I System M. Dobryakova (HSE, Russia)</p> <p>Social Aspects of Technological Development: Results of a Foresight Study K. Urashima (National Institute of Science and Technology Policy (NISTEP), Japan)</p> <p>The 10th Japanese S&T Foresight: Role in Formulation of S&T Policy Discussant: O. Saritas (HSE)</p>

April 9, 2015

Workshop on the Cross-border Cooperation in the Knowledge Triangle (Research, Education and Innovation)

Under the Aegis of the OECD Working Group on Innovation and Technology Policy (TIP)

10:00-10:30	Opening and Welcome L. Gokhberg (HSE, Russia) R. Scott (OECD) S. Salikhov (Ministry of Education and Science of the Russian Federation)
10:30-11:30 Room 116 ENG, RUS	Session: Efficient Instruments to Support Cross-border Cooperation in Research, Education and Innovation – 1 Moderator: Yu. Simachev (Russian Science Foundation) N. Vonortas (University of George Washington, USA) Financing of Joint S&T Projects W. Polt (Joanneum Research, Austria) International STI Collaborations – Some Experiences and Recommendations Regarding Their Governance K. Schuch (Centre for Social Innovation, Austria) Human Factor: Role in STI Cross-border Cooperation Discussant: J. Linton (Ottawa University, Canada; HSE)
11:30-12:00	Coffee break
12:00-13:30 Room 116 ENG, RUS	Session: Efficient Instruments to Support Cross-border Cooperation in Research, Education and Innovation - 2 Moderator: R. Burger (Delegation of the European Commission to the Russian Federation) R. Scott (OECD) Institutional Best Practices for Improving Universities' Collaboration with Research and Innovation Partners D. Meissner (HSE) Multinational Infrastructure of Research, Education and Innovation – The Case of Joint International Laboratories N. Shmatko (HSE, Russia) Role of Academic Mobility and Cross-border Co-operation in S&T and Innovation Discussant: N. Vonortas (University of George Washington, USA)
13:30-15:00	Lunch
15:00-16:30 Room 116 ENG, RUS	Session: Instruments of State Policy Supporting Cross-border Cooperation in Research, Education and Innovation - Country Examples – 1 Moderator: A. Sokolov (HSE, Russia) I. Kuklina (International Centre for Innovations in Science, Technology and Education, Russia) Instruments of Russian State Policy Supporting Cross-border Co-operation in Research, Education and Innovation A. Pikalova (HSE, Russia), M. Kotsemir (HSE, Russia) Identifying Priorities of Russia's International S&T Co-operation: Countries and Thematic Areas

	<p>R. Beltran (Embassy of Mexico in the Russian Federation) Instruments of Mexico’s State Policy Supporting Cross-border Co-operation in Research, Education and Innovation</p> <p>M. Silenzi (Ministry of Science, Technology and Productive Innovation of Argentina) Instruments of Argentina’s State Policy Supporting Cross-border Co-operation in Research, Education and Innovation</p> <p>S. Ulutas Aydogan (TÜBİTAK, Turkey) Instruments of Turkey’s State Policy Supporting Cross-border Co-operation in Research, Education and Innovation</p> <p>Discussant: T. Kuznetsova</p>
16:30-17:00	Coffee break
<p>17:00-18:30</p> <p>Room 116</p> <p>ENG, RUS</p>	<p>Session: Instruments of State Policy Supporting Cross-border Cooperation in Research, Education and Innovation - Country Examples – 2</p> <p>Moderator: A. Sokolov (HSE, Russia)</p> <p>R. Swami Bansal (Embassy of India in the Russian Federation) Instruments of India’s state policy supporting cross-border co-operation in research, education and innovation</p> <p>A. Michel (Embassy of France in the Russian Federation) Instruments of France’s State Policy Supporting Cross-border Co-operation in Research, Education and Innovation</p> <p>Chao-Ming Fu (Taipei-Moscow Economic and Cultural Coordination Commission) Instruments of Taiwan’s State Policy Supporting Cross-border Co-operation in Research, Education and Innovation</p> <p>Discussion</p> <p>Participants: P. Cheshev (Finnish Funding Agency for Technology and Innovation Tekes-Russia), V. Chernysheva (Non-profit Partnership “Industry Round Table for Cooperation with the European Union”, Russia), A. Erdelyi (Embassy of Hungary in the Russian Federation), S. Kalyuzhny (OAO “ROSNANO”), G. Kitova (HSE, Russia), N. Kosmodemianskaya (Skolkovo Institute of Science and Technology, Russia), T. Kuznetsova (HSE, Russia), O. Levchenko (Foundation for Assistance to Small Innovative Enterprises, Russia), A. Melnikov (Embassy of Switzerland in the Russian Federation), Yu. Simachev (Russian Science Foundation), A. Sharov (Russian Foundation for Basic Research), L. Taradina (5/100 Project Programme Office)</p> <p>Discussant: I. Kuklina (International Centre for Innovations in Science, Technology and Education, Russia)</p>

April 10, 2015

Workshop on International Co-operation in the EU Framework Programme “Horizon 2020” – New Challenges and Opportunities for the Third Countries

<p>10:00-11:30</p> <p>Room 116</p> <p>ENG</p>	<p>Session: EU Framework Programme for Research and Innovation “Horizon 2020”: Instruments Best Suited for Third Country Participants</p> <p>Moderator: A. Polyakov (Ministry of Education and Science of the Russian Federation)</p> <p>A. Polyakov (Ministry of Education and Science of the Russian Federation) Opening and Welcome</p> <p>R. Burger (Delegation of the European Union to the Russian Federation) EU Framework Programme for Research and Innovation “Horizon 2020” (H2020): Instruments Best Suited for Third Country Participants</p> <p>H. Matsumoto (EU-Japan Centre for Industrial Cooperation, Japan) Participation of Developed Countries in the H2020: The Case of Japan</p> <p>M. Silenzi (“Horizon 2020” National Coordinator, Ministry of Science, Technology and Productive Innovation of Argentina) Participation in the H2020: Challenges and Options for the “New” Developed Countries</p> <p>K. Schuch (Centre for Social Innovation, Austria) Participation in the H2020: The Case of Central and Eastern European Countries</p>
<p>11:30-12:00</p>	<p>Coffee break</p>
<p>12:00-13:30</p> <p>Room 116</p> <p>ENG</p>	<p>Session: Lessons Learnt from the Participation of Developed Countries in FP7 for the “Horizon-2020”</p> <p>Moderator: L. Proskuryakova (HSE, Russia)</p> <p>M. Shaton (“Horizon 2020” National Coordinator, Israel-Europe Directorate for the EU Framework Programme, Israel) Participation in the H2020: The Case of Israel</p> <p>P. Tamas (Corvinus University, Hungary) Small Nations in European Research Networks: Dynamics of European Framework Programmes and the Eastern Enlargement</p> <p>S. Ulutas Aydogan (National Contact Point “Inclusive, innovative and reflective societies”, EU Framework Programmes National Coordination Office, TÜBİTAK, Turkey) Participation in FP7: The case of Turkey</p> <p>M. Josten (German Aerospace Center, Project Management Agency European and International Cooperation) Germany’s Partnership with Third Developed Countries: Strategies and Added Value</p> <p>Discussion</p>
<p>13:30-15:00</p>	<p>Lunch</p>

<p>15:00-16:30</p> <p>Room 116</p> <p>ENG</p>	<p>Round table: Success Factors for Participation of Third Countries in the H2020 - 1</p> <p>Moderator: S. Ulutas Aydogan (National Contact Point “Inclusive, innovative and reflective societies”, EU Framework Programmes National Coordination Office, TÜBİTAK, Turkey)</p> <p>Issues for discussion:</p> <p>Role of Policy Coordination and Joint Instruments:</p> <ul style="list-style-type: none"> – Lessons learnt from coordinated calls for proposals: common evaluation of proposals and calls’ methodology – Identification of common research priorities for H2020 – Enhancing joint participation through bilateral instruments – Monitoring and assessment of the participation in the H2020 – The outcomes and future modification of the EU funded coordination projects (BILAT RUS, ERA.net RUS, Inco Net EECA, etc.). <p>Shaping the legal/regulatory framework:</p> <ul style="list-style-type: none"> – Intellectual property rights and their role for commercialization of research results: what are the patterns for IP distribution between EU Member States and developed countries – Openness of S&T infrastructures; transfer of equipment and scientific material (biological, geological, etc.) – Framework for cross-border funding and reciprocity of opening S&T programmes – Scientific visas <p>Participants: R. Burger (Delegation of the European Union to the Russian Federation), S. Chernyshev (National Contact Point for Aerospace), A. Dupan (HSE, Russia), M. Josten (German Aerospace Center, Project Management Agency European and International Cooperation), H. Matsumoto (EU-Japan Centre for Industrial Cooperation, Japan), M. Silenzi (Ministry of Science, Technology and Productive Innovation of Argentina), M. Shaton (Israel-Europe Directorate for the EU Framework Programme, Israel), K. Schuch (Centre for Social Innovation, Austria), V. Sharov (National Contact Point “Environment”), P. Tamas (Corvinus University, Hungary), E. Tarasova (“Horizon 2020” National Contact Point “Health”, Moscow State University by M.V. Lomonosov”)</p>
<p>16:30-17:00</p>	<p>Coffee break</p>
<p>17:00-18:30</p> <p>Room 116</p> <p>ENG</p>	<p>Round table: Success Factors for Participation of Third Countries in the H2020 - 2</p> <p>Moderator: N. Toyvonon (Ministry of Education and Science of the Russian Federation)</p> <p>Issues for discussion:</p> <p>Fostering Networking Among the S&T Communities:</p> <ul style="list-style-type: none"> – Increasing attractiveness and open-up their countries' S&T institutions – Raising awareness of the EU research community about the their countries' scientific capacities – Introducing dedicated instruments for networking and using bilateral cooperation schemes <p>Optimizing the Advisory Network:</p> <ul style="list-style-type: none"> – Development of the information and consultancy network through the former INCO NCPs – Cultural differences in research management practice (scientific and administrative project management) <p>Participants: R. Burger (Delegation of the European Union to the Russian Federation), S. Chernyshev (National Contact Point for Aerospace), H. Matsumoto (EU-Japan Centre for Industrial Cooperation, Japan), A. Pikalova (HSE, Russia), M. Silenzi (Ministry of Science, Technology and Productive Innovation of Argentina), V. Sharov (National Contact Point “Environment”), M. Shaton (Israel-Europe Directorate for the EU Framework Programme, Israel), K. Schuch (Centre for Social Innovation, Austria), P. Tamas (Corvinus University, Hungary), E. Tarasova (“Horizon 2020” National Contact Point “Health”, Moscow State University by M.V. Lomonosov”)</p>

April 10, 2015

10:00-13:30

Round table: Development of International Network of Foresight-centres

Moderator: L. Gokhberg (HSE)

Room 309

Keynote speech

R. Seidl da Fonseca (Consultant on Foresight, Austria)

ENG

International Network of Foresight-centres: Purpose of Creation, Principles of Organisation, Activities

Issues for discussion:

- The role of networking in long-term Foresight
- Goals and objectives, formats of organisation of international network of Foresight-centres
- Coordination of national and international networks of Foresight-centres - the world's best practices
- Discussion and preparation for signing a memorandum of understanding with the participants of the international network of Foresight-centres

Participants: A. Chulok (HSE, Russia), L. Gokhberg (HSE, Russia), J. Linton (University of Ottawa, Canada; HSE), I. Miles (University of Manchester, UK; HSE), D. Meissner (HSE), M. de Miranda Santos (Centre for Strategic Studies and Management (CGEE), Brazil), A. Raj (Strategic Foresight Group, India), A. Sokolov (HSE, Russia), K. Schuch (Centre for Social Innovation, Austria), K. Urashima (National Institute of Science and Technology Policy (NISTEP), Japan)

<p>10:00-11:30 Room 102 ENG, RUS</p>	<p>Session: Water Sector Strategies: the Russian Companies’ Perspective</p> <p>Moderator: N. Syutkina (Ministry of Natural Resources and Environment of the Russian Federation)</p> <p>Yu. Golubkov (RENOVA Group of Companies, Russia) Opening remarks</p> <p>O. Saritas (HSE, Russia) Presentation of Russia’s Water Sector Best Strategies Based on Three Synthesis Scenarios</p> <p>M. Kozeltsev (HSE, Russia) Strategy Proposals for Sustainability of Water Supply Systems</p> <p>S. Sivayev (Federal Center for Project Finance, Vnesheconombank Group, Russia) Strategy Proposals for Water Use by Households and Industry</p> <p>A. Likhacheva (HSE, Russia) Strategy Proposals for New Water Services and Products</p> <p>Discussion</p>
<p>11:30-12:00</p>	<p>Coffee break</p>
<p>12:00-13:30 Room 102 ENG, RUS</p>	<p>Round table: The Key Assumption for the Water Sector Strategies: Economic, Social, Technological, Environmental, Policy</p> <p>Moderator: O. Saritas (HSE), M. Afanasyev (HSE)</p> <p>Issues for discussion:</p> <ul style="list-style-type: none"> – Sustainability of water supply systems – Water use by households and industry – New water services and products – Additions and amendments to the presented strategies <p>Participants: A. Andrianov (Moscow State University of Civil Engineering); D. Budnitskiy (National Union of Municipal Enterprises of Water Supply and Water Treatment), V. Danilov-Danilyan (Institute of Water Studies, Russian Academy of Sciences), E. Dovlatova (Russian association of water supply and water sanitation), Yu. Egorova (LLC “Samara Housing Systems”), S. Epifantsev (JSC “Tambov Public Utilities”), I. Fursov (LLC “Volzhskiy Public Utilities”), S. Gordeev (Rossiyskiye Kommunalnie Systemy), S. Istomin (LLC “NOVOGOR-Prikamje”), B. Libert (UNECE), S. Loginova (Rossiyskiye Kommunalnie Systemy), O. Markekov, A. Martusevich (OECD), V. Ostapchuk (JSC “PKS- Municipal Enterprise of Water Supply and Water Treatment”), A. Raj (Strategic Foresight Group, India), D. Sklarew (George Mason University, USA), A. Shashkin (Ministry of Education and Science of the Russian Federation), N. Zverev (LLC “NOVOGOR-Prikamje”)</p>
<p>13:30-15:00</p>	<p>Lunch</p>

<p>15:00-16:30</p> <p>Room 102</p> <p>ENG, RUS</p>	<p>Session: Water Sector Strategies: The International Perspective Moderator: Y. Golubkov (RENOVA Group of Companies, Russia)</p> <p>B. Libert (UN Economic Commission for Europe) Transboundary Water Cooperation and International Water Legislation</p> <p>K. Molodyko (HSE-Skolovo Laboratory for Law and Development, Russia) Russia’s Prospects in the Global “Virtual Water” Trade</p> <p>A. Martusevich (OECD) Water Policy and Management for Water Secure Future</p> <p>A. Raj (Strategic Foresight Group, India) Russia’s Water Strategies vs. Strategies of Other BRICS Countries</p> <p>D. Sklarew (George Mason University, USA) Future Visions and Strategies Based on Scenarios</p> <p>E. Dovlatova (Russian Association of Water Supply and Sewage) Strategies of the Russian Water Supply and Water Treatment Companies</p>
<p>16:30-17:00</p>	<p>Coffee break</p>
<p>17:00-17:30</p> <p>Room 102</p>	<p>L. Proskuryakova (HSE), O. Saritas (HSE), S. Sivayev (Federal Center for Project Finance, Vnesheconombank Group, Russia)</p> <p>Conclusions, wrap up, and next steps</p>

April 10, 2015

10:00-11:30	Session: Foresight in Aerospace Industry: Opportunities for Russia Moderator: V. Salun (HSE, Russia)
Room 101	Yu. Makarov (Russian Federal Space Agency) Strategic Planning in the Space Industry
RUS (<i>Working language: Russian</i>)	D. Payson (United Rocket and Space Corporation, Russia) Institutional and Structural Problems of Technological Development in the Space Sector S. Chernyshev (Central Aerohydrodynamic Institute named after N.E. Zhukovsky (TsAGI), Russia) Strategic Planning of S&T Development in the Aircraft Industry M. Klubova (HSE, Russia) Technology Roadmapping for Aircraft Industry towards 2025: Integration of Market Pull and Technology Push Approaches Discussant: K. Sypalo (Central Aerohydrodynamic Institute named after N.E. Zhukovsky (TsAGI); Moscow Aviation Institute (National Research University), Russia)
11:30-12:00	Coffee break
12:00-13:30	Round table: Regional Conditions and Policy as Aspects of Innovation Development Moderator: P. Rudnik (Department of Science, Industrial Policy and Entrepreneurship, Moscow City Government, Russia)
Room 101	Issues for discussion:
ENG, RUS	<ul style="list-style-type: none">– Influence of regional conditions on S&T performance and innovation activities of enterprises– Existing management practices (including interaction between federal and regional authorities) as an efficiency factor for innovation policy instruments– Performance assessment of innovation infrastructure facilities and new approaches to system implementation of regional innovation policy Participants: E. Kutsenko (HSE, Russia), C. Leonard (HSE, RANEP), D. Meissner (HSE), V. Roud (HSE, Russia), N. Smorodinskaya (Russian Academy of Sciences), K. Vishnevskiy (HSE, Russia) Discussant: N. Vonortas (George Washington University, USA)