

INTERNATIONAL ACADEMIC SYMPOSIUM

# FORESIGHT AND SCIENCE, TECHNOLOGY AND INNOVATION POLICY

**NATIONAL RESEARCH UNIVERSITY  
HIGHER SCHOOL OF ECONOMICS**

**April 13-14  
2023**

WORKING LANGUAGES:  
RUSSIAN, ENGLISH  
(SIMULTANEOUS INTERPRETATION)

FORMAT: ONLINE WEBINAR PLATFORM



Human Capital  
Multidisciplinary  
Research Center



UNESCO Chair  
on Future Studies



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# Methodology and Methods of Foresight: Innovation and New Practice

RUS ENG April 13, 10:00–11:30 (Moscow time)

Online

## Session 1: Foresight and S&T Priorities Setting

Chair: Anna Grebenyuk, HSE University, Russia

10:05–10:20	<b>Mohamed Ramadan A. Rezk</b> <i>Egyptian Science, Technology and Innovation Observatory, Academy of Scientific Research and Technology, Egypt</i> Incorporating Foresight in Egyptian Universities
10:25–10:40	<b>Surachai Sathitkunarut</b> <i>APEC Center for Technology Foresight, Thailand</i> Development of Carbon Capture, Utilization and Storage Technology Roadmap in Thailand
10:45–11:00	<b>Alexander Chulok</b> <i>HSE University, Russia</i> Science and Technology Foresight for Eurasian Economic Union: Goals, Objectives, Methodology
11:05–11:20	<b>Yuan Like</b> <i>Chinese Academy of Science and Technology for Development, China</i> Do Experts Prefer Optimistic Comments? Empirical Evidence from the Survey of National Technology Foresight
11:20–11:30	<b>Discussion and Wrap-up</b>

RUS ENG April 13, 11:45–13:15 (Moscow time)

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## Round Table: Synthesizing Qualitative and Quantitative Foresight Tools in the Context of Complexity Economics

The round table will focus on the cognitive aspects of decision-making and strategic planning in today's rapidly changing world. It will discuss new evidence-based knowledge and tools for dealing effectively with such aspects of it as increasing complexity, uncertainty, turbulence, and ambiguity.

### Questions to discuss:

- Management of complex socio-economic systems
- Impact of cognitive complexity on decision-making
- Application of knowledge from complexity science to strategy development
- New competencies for a world of complexity, uncertainty and ambiguity
- Non-linear prediction methods for improved management efficiency.

Invited speakers:

- **Sofi Dinesh**, Bharathidasan Institute of Management, India
- **Dmitry Katalevsky**, Moscow State University, Russia
- **Truong Hong Vo Tuan Kiet**, FPT University, Can Tho campus, Vietnam
- **Wang Xiaoyang**, Kebangsaan University, Malaysia
- **Suddhachit Mitra**, Management Development Institute, India
- **Shinu Vig**, Symbiosis University, India
- **Irina Ilina**, HSE University, Russia
- **Michinaga Kohno**, Michi Creative City Designers Inc., Japan

**Session 1: Variety as a Source of Challenges and Opportunities in the Context of Economic Complexity, 11:45–13:15 (Moscow time) [online link](#)**

**Moderator: Alexander Sokolov**, *HSE University, Russia*

11:50–12:05	<b>Sofi Dinesh</b> <i>Bharathidasan Institute of Management, India</i> Impact of Cognitive Complexity on Decision-Making. How to Avoid Groupthink Pitfalls
12:10–12:25	<b>Irina Ilina</b> <i>HSE University, Russia</i> The City as a System of Systems in the Multiloop Economic Model
12:30–12:45	<b>Truong Hong Vo Tuan Kiet</b> <i>FPT University, Can Tho campus, Vietnam</i> Corporate Strategies for Sustainability: Reflections of Prospective Entrepreneurs
12:50–13:05	<b>Wang Xiaoyang</b> <i>Kebangsaan University, Malaysia</i> Factors Affecting the Choice of Development Strategies in VUCA Conditions and Supporting New Entrepreneurial Management Concepts
13:05–13:15	<b>Discussion and Wrap-up</b>

**Round Table: Synthesizing Qualitative and Quantitative Foresight Tools in the Context of Complexity Economics**

**Session 2: Innovation in Complex Worlds and their Non-Linear Effects, 13:30–15:15 (Moscow time) [online link](#)**

**Moderator: Alexander Sokolov**, *HSE University, Russia*

13:35–13:50	<b>Suddhachit Mitra</b> <i>Management Development Institute, India</i> Non-Linear Methods in Estimating Models in Diffusion of Innovations
13:55–14:10	<b>Dmitry Katalevsky</b> <i>Moscow State University</i> Why Complex Systems Fail: The Emergent Behaviour of Socio-Economic Systems

14:15–14:30	<b>Michinaga Kohno</b> <i>Michi Creative City Designers Inc., Japan</i> Transformation of the Approaches to Smart City Development
14:35–14:50	<b>Shinu Vig</b> <i>Symbiosis University, India</i> Soft Skills that Enable Success in the World of Metaverse
14:55–15:15	<b>Discussion and Wrap-up</b>

**RUS ENG April 13, 15:30–17:00 (Moscow time)**

Online

**Session 2: New Methods of Foresight**

**Chair: Ozcan Saritas, HSE University, Russia**

15:35–15:50	<b>Rushdi Abdul Rahim</b> <i>Malaysian Industry-Government Group for High Technology, Malaysia</i> Foresight for the Development of Sharing Economy: Regulation Framework in Malaysia
15:55–16:10	<b>Mohd Nurul Azammi Mohd Nudri</b> <i>Malaysian Industry-Government Group for High Technology, Malaysia</i> S&T Foresight in Malaysia: an Overview
16:15–16:30	<b>Jonathan Calof</b> <i>Ottawa University, Canada; HSE University, Russia</i> Exploring the Relationship between Organizational Agility and Foresight within an Anticipation System
16:35–16:50	<b>Yulia Milshina, Yadviga Radomirova</b> <i>HSE University, Russia</i> The Future of Science: Key Trends and Structural Changes
16:50–17:00	<b>Discussion and Wrap-up</b>

**RUS ENG April 14, 10:00–11:30 (Moscow time)**

Online

**Session 3: Big Data in Foresight Studies**

**Chair: Sergey Revyakin, HSE University, Russia**

10:05–10:20	<b>Oleg Metsik</b> <i>L.N. Gumilyov Eurasian National University, Kazakhstan</i> Foresight Methods in Enterprise Digitization
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10:25–10:40	<b>Sergey Alyoshkin</b> <i>JSC "SOGAZ", Russia</i> Application of Low Code for AI Models Development in Insurance
10:45–11:00	<b>Mariia Antasheva</b> <i>HSE University, Russia</i> Sentiment Analysis as an Information Agenda and Public Opinion Research Method (on the Example of Chinese Mass Media and Social Networks)
11:05–11:20	<b>Dmitry Samoilov</b> <i>GosNIIAS, Russia</i> Digital Twins as a Source of Big Data
11:20–11:30	<b>Discussion and Wrap-up</b>

## Science, Technology and Innovation Policy

**RUS ENG**      **April 14, 11:45–13:30 (Moscow time)**

[Online](#)

### **Session 4: HSE GCII 2023 Rating of World Cities Innovative Attractiveness: Key Discoveries and Creation History**

**Chair: Evgeniy Kutsenko, HSE University, Russia**

11:50–12:00	<b>Ekaterina Ivanova</b> <i>HSE University, Russia</i> Over-concentration of Talents, New Mobility of Innovators and Competition for Minds: HSE GCII 2023 Key Findings
12:05–12:15	<b>Tatiana Ostashchenko</b> <i>HSE University, Russia</i> Success Secrets of World Cities Technological Leadership
12:20–12:30	<b>Kirill Tyurchev</b> <i>HSE University, Russia</i> Habitats and Migration Routes of Unicorn Companies
12:35–12:45	<b>Ekaterina Streltsova</b> <i>HSE University, Russia</i> Both Patents and Publications: Over-Productivity of Innovation Leaders
12:50–13:00	<b>Victoria Boos</b> <i>HSE University, Russia</i> Successful Models for Creative Industries Development in World Cities
13:05–13:15	<b>Alexander Snegirev</b>

*HSE University, Russia*

How to Combine High Technology and Creativity (Tokyo Case) and how to Attract and Retain "Excellent" Students (Melbourne and Sydney Cases)

13:15–13:30 **Discussion and Wrap-up**

**RUS ENG** April 14, 13:45–15:15 (Moscow time)

[Online](#)

**Session 5: Science, Technology and Innovation Policies: Current Trends and Challenges**

**Chair: Mikhail Gershman, HSE University, Russia**

13:50–14:05 **Yuan Zhou**

*Tsinghua University, China*

China's Science, Technology and Innovation Policy: Latest Trends

14:10–14:25 **Michael Kahn**

*Centre for Research on Evaluation, Science and Technology,  
Stellenbosch University*

Translating Foresight into Actions: the South African Case

14:30–14:45 **Mikhail Gershman**

*HSE University, Russia*

"Doing Science in Russia": the Results of the Survey

14:50–15:05 **Jose Eduardo Cassiolato**

*Federal University of Rio de Janeiro, Brazil*

Science, Technology and Innovation Policies in the Second Decade of the Millennium: a Reflexiones from Latin America

15:05–15:15 **Discussion and Wrap-up**

**RUS ENG** April 14, 15:30–17:20 (Moscow time)

[Online](#)

**Session 6: Innovation for Sustainability**

**Chair: Dirk Meissner, HSE University, Russia**

15:35–15:50 **Nikolai Chichkanov**

*HSE University, Russia*

Innovation and ESG Modes in High-Tech Companies

15:55–16:10 **Evgeniia Kiseleva**

*HSE University, Russia*

Sustainability Agenda for Russian Companies under Uncertainty and Industry 4.0 Challenges

16:15–16:30	<b>Anna Veselova</b> <i>HSE University, Russia</i> Sustainability Exploration Orientation of Large Russian Companies: Multi-Sided Empirical Research
16:35–16:50	<b>Elena Ochirova</b> <i>HSE University, Russia</i> Investments in Research and Development and Corporate Social Responsibility: Evidence from High R&D Intensive Industries
16:55–17:10	<b>David Sarpong</b> <i>Aston University, UK</i> A Catalytic Regulatory Framework for Accelerating Sustainable Innovation
17:10–17:20	<b>Discussion and Wrap-up</b>