XXII APRIL INTERNATIONAL ACADEMIC CONFERENCE ON ECONOMIC AND SOCIAL DEVELOPMENT 2021

NATIONAL RESEARCH UNIVERSITY

Human Capital Multidisciplinary Research Centre

INTERNATIONAL SYMPOSIUM

FORESIGHT AND SCIENCE, TECHNOLOGY AND INNOVATION POLICY

APRIL 13–16, 2021

NATIONAL RESEARCH UNIVERSITY
HIGHER SCHOOL OF ECONOMICS
MOSCOW, RUSSIA

PROGRAMME

Science and Technology Foresight

April 13, 2021

ROUND TABLE
S&T FORESIGHT OF AGRICULTURAL DEVELOPMENT:
NEW AGENDA IN THE POST-COVID-19 ERA
Moderator: Alexander Chulok, HSE University, Russia

The round table aims to discuss global trends that will have a significant impact on agriculture in the post-COVID-19 era, as well as goals, objectives and methods of the new cycle of S&T foresight of agricultural development. The most recent S&T foresight exercise for Russia's agricultural development until 2030 was conducted in 2017 and involved over 400 leading research organizations, companies, universities, and sectoral unions.

10:15 **Topics for discussion:**

- Outcomes of S&T foresight exercise for Russia's agricultural development until 2030
- New challenges of post-COVID-19 era and global trends that will determine agricultural development in the next 15 years
- Goals and objectives, expectations for a new cycle of S&T foresight for agricultural development set by representatives of business, science and education
- Agricultural foresight development methodology and potential of modern analytical instruments, including big data analysis
- Expected outcomes of agricultural foresight and areas of their application by key stakeholders
- Best international practices in the agricultural sector

Discussants:

- **Vladimir Avdeenko,** R&D Foundation (Innopraktika company), Russia (tbc)
- **Vugar Bagirov,** Ministry of Science and Higher Education of the Russian Federation
- **Artem Belov,** National Union of Milk Producers, Russia
- **Anne-Katrin Bock,** Competence Centre on Foresight Joint Research Centre, European Commission, Belgium (tbc)
- **Andrey Bodin,** Non-profit organization "Union of Sugar Producers of Russia"
- **Vadim Gataullin**, JSC "Saratov Biotechnologies", Russia (tbc)
- **Andrey Dalnov,** Russian Agricultural Bank
- **Alexey Ivanov,** Higher School of Economics, Russia
- **Alexander Korbut,** Russian Grain Union
- **Sergey Korshunov,** Association of Individuals and Legal Entities for the Development of Organic Agriculture "Union of Organic Agriculture", Russia
- **Dmitry Krasnov,** Agroexport, Russia
- **Marcio de Miranda Santos,** Center for Strategic Studies and Management in Science, Technology and Innovation (CGEE), Brazil
- **Vadim Moshkovich,** Rusagro Group of Companies, Russia (tbc)
- **Ozcan Saritas,** HSE University, Russia
- **Dmitry Tarasov,** Russian Agricultural Bank
- **Igor Popkov,** Russian State Agrarian University – Moscow Timiryazev Agricultural Academy, Russia
- **Sergey Yushin,** National Meat Association, Russia (tbc)

12:15 **Wrap-up and closing remarks**

13:00 **Coffee break**

SESSION 1: GLOBAL VALUE CHAINS AND REGIONAL SYSTEMS OF INNOVATION: TOWARDS A CRITICAL JUNCTURE?

Chair: Dirk Meissner, HSE University, Russia

13:45	**Ron Boschma**, Utrecht University, the Netherlands The role of inter-regional linkages for regional diversification
14:15	**Bruno Fischer**, University of Campinas, Brazil Mutualism in ecosystems of innovation and entrepreneurship: a bidirectional perspective on universities' linkages
14:45	**Vitaly Roud**, HSE University, Russia; **Nicholas Vonortas**, The George Washington University, USA; HSE University, Russia Barriers to innovation at local and global markets
15:05	**Discussion and wrap-up**
15:15	**Coffee break**

SPECIAL ROUND TABLE
MAN IN THE ERA OF TECHNOLOGY TRANSFORMATION

Moderator: Leonid Gokhberg, HSE University, Russia

The world-class Human Capital Multidisciplinary Research Center was founded in the framework of National Project "Science". It is the only world-class research Center in the field of social sciences and humanities in Russia, integrating four leading organizations in human capital research, including: National Research University Higher School of Economics, Russian Academy of National Economy and Public Administration under the President of the Russian Federation, Moscow State Institute of International Relations (University) under the Ministry of Foreign Affairs of the Russian Federation and the Russian Academy of Sciences Miklouho-Maklay Institute of Ethnology and Anthropology. Participants of the round table will discuss the first scientific results obtained to date under research programme “Man in the Era of Technology Transformation” implemented by HSE Institute for Statistical Studies and Economics of Knowledge in the framework of the Center’s activities.

15:30	**Welcome and opening remarks:** **Leonid Gokhberg**, HSE University, Russia
15:35	**Topics for discussion:** • Global trends and challenges related to human potential development • Digital transformation and factors contributing to digital divide • Innovative processes in the era of open innovations • S&T personnel reproduction system **Discussants:** • **Konstantin Vishnevskiy**, HSE University, Russia Human-centered technologies as a trend of the post-pandemic era • **Yulia Milshina**, HSE University, Russia Global trends and challenges related to human potential development • **Ekaterina Streltsova**, HSE University, Russia Digital culture, digital literacy, new privacy: social transformations influenced by the development of digital technologies • **Vitaly Roud**, HSE University, Russia Boundaries of innovation processes in the age of open innovation • **Natalia Shmatko**, HSE University, Russia Key trends in the change in demand for S&T competencies
16:50	**Wrap-up and closing remarks**
17:00	**Coffee break**

14 April 2021

ROUND TABLE
MODERN DIGITAL TECHNOLOGIES IN THE FINANCIAL SECTOR: GLOBAL TRENDS AND PROSPECTS FOR IMPLEMENTATION IN THE EAEU COUNTRIES
Moderators: Konstantin Vishnevskiy, HSE University, Russia;
representative of the Digital Initiative Fund (Eurasian Development Bank) (tbc)

The round table seeks to examine major global technological trends that will guide in the mid-term development of financial markets at the global level, as well as in Russia and other EAEU member states. Discussions will focus on benefits and risks related to digital financial technologies adoption (in the context of Strategic Directions for Developing the Eurasian Economic Integration until 2025), promising scaling practices for FinTech startups in Eurasia, and systematisation of digital financial services delivery best practices, including SMEs experiences.

10:15 **Welcome and opening remarks:**

- **Anatoly Aksakov**, State Duma Committee on Financial Market, Russia
- **Ruslan Beketaev**, Minister for Economic and Financial Policies, Eurasian Economic Commission

10:30 **Topics for discussion:**

- Global trends in digital financial services (FinTech) that will determine the context for EAEU financial markets development
- Transformation of regulatory approaches in financial sector under the influence of digital technologies (SupTech, RegTech)
- Experience and prospects for financial institutions' business-models digital transformation in light of modern technologies: practice of building marketplaces, digital platforms and ecosystems, current forms of interaction between banks and FinTech companies
- New finance industry architecture: accessibility for small businesses and special aspects of startups scaling around the world
- Financial ecosystems development: EAEU experience
- Drivers and barriers of FinTech development in Russia and other EAEU countries: digitalization of financial products and services, government support programs, problems of the remote identification and cybersecurity, impact of the COVID-19 pandemic

Speakers:

- **Sofya Donets**, Renaissance Capital, Russia
- **Yuri Dranev**, HSE University, Russia
- **Yaroslav Kabakov**, Finam Investment Holding, Russia
- **Nikita Lomov,** FinTech Association, Russia

Discussants:

- **Anton Arnautov,** Fintech Lab, Russia (tbc)
- **Elena Baturova**, JSC Rosselkhozbank, Russia (tbc)
- **Oleg Berezovoy**, Financial & Business Association of Euro-Asian Cooperation
- **Irina Ivashkovskaya,** HSE University, Russia (tbc)
- **Arman Khachatryan,** Eurasian Economic Commission
- **Nikolay Kuznetsov**, Eurasian Development Bank (tbc)
- **Alexander Murychev**, Financial & Business Association of Euro-Asian Cooperation (tbc)
- **Anastasia Nazarenko**, HSE University, Russia
- **Sofya Privorotskaya,** HSE University, Russia
- **Alexey Samoshin,** All-Russian Union of Insurers (tbc)
- **Ivan Zimin,** Central Bank of the Russian Federation (tbc)

11:35 **Wrap-up and closing remarks**

11:45 **Coffee break**

SESSION 2: THE FUTURE OF SCIENCE AND TECHNOLOGY: SOCIAL DIMENSION **Chair: Alexander Sokolov**, HSE University, Russia	
12:00	**Anna Grebenyuk**, HSE University, Russia Science and technology as a driver of human capital development
12:20	**Kuniko Urashima,** NISTEP, Japan Society 5.0: S&T dimension (tbc)
12:40	**Kirill Bykhovsky**, HSE University, Russia Innovative funding instruments for socially important healthcare goals
13:00	**Jose Cordeiro**, The Millennium Project, USA Death of death: presentation of the Russian language edition of the Spanish bestseller
13:20	**Discussion and wrap-up**
13:30	**Coffee break**
SESSION 3: BLENDED FUTURES: PUSHING THE BOUNDARIES OF FORESIGHT **Chair: Shermon Ortega Cruz**, Center for Engaged Foresight, Philippines	
13:45	**Raphaële Bidault Waddington**, LIID Future Lab, France Designing future-labs at the crossroad of foresight, arts, design, and urban design
14:05	**Karolina Sobczak**, The Academy of Business in Society (ABIS), Belgium Exploring Sustainable Futures through Serious Gaming
14:25	**Ozcan Saritas,** HSE University, Russia Cutting-edge approaches in foresight: a digest of recent articles in Foresight Journal
14:45	**Jean Paul Pinto Morales**, Future Imagination and Materialization Laboratory, Ecuador Science Fiction, speculative design and gaming
15:05	**Discussion and wrap-up**
15:15	**Coffee break**
SESSION 4: FORESIGHT CITY/REGION 3.0 **Chair: Ozcan Saritas,** HSE University, Russia	
	The aims of the session are to explore 3 overarching questions and to plan a programme of co-production: • What would a 'Foresight city/region 3.0' look like in 2050 (in Moscow, Manchester, etc.); • What can we learn from the pandemic? • Which pathways can lead to this goal, based on a 'collective foresight intelligence'.
15:00	Virtual coffee in the foresight-wise 3D gallery
15:30	Part 1: panel presentations and discussion
17:00	Part 2: co-production: interactive session on pilot projects
18:00	Virtual cocktails in the foresight-wise 3D gallery
15:30	**Part 1: panel presentations and discussion**
15:35	**Joe Ravetz**, University of Manchester, UK Introduction to 'collective foresight intelligence' & applications to urban and regional policy
15:50	**Geci Karuri-Sebina**, Wits School of Governance, South Africa Foresight for cities/regions and the policy gap: learning from experience
16:00	**Wendy Schultz**, Infinite Futures, SAMI, UK Emerging methods, tools, processes, know-how
16:10	**Fabiana Scapolo**, European Commission, JRC, Belgium Future of Governance, Policy Lab
16:20	**Conclusions and next steps** **Ian Miles,** HSE University, Russia; University of Manchester, UK
16:50	**Break**
17:00	**Part 2: co-production: interactive session on pilot projects**
18:00	**End of the day**

Science, Technology and Innovation Policy

15 April, 2021

ROUND TABLE
PROSPECTS OF IMPLEMENTING COOPERATIVE PROJECTS IN THE FIELD OF SCIENCE AND TECHNOLOGY TO BUILD A EURASIAN INNOVATION AREA

Strategic Directions for Developing the Eurasian Economic Integration until 2025 features the goal of revitalizing and building scientific and technological capacities in the Union. EAEU member countries are endowed with a vast potential in the field of science and technology for deeper STI integration, e.g. carrying out joint projects and research, developing product single market, capital and workforce.
This round table aims to discuss single EAEU scientific and technological policy, its priorities and innovative activity. Participants will deliberate over promising directions for joint research and innovation projects, approaches towards establishing a system of effective management and funding of joint cooperative projects, prospects of building a system of foresight and strategic planning of scientific and technological as well as economic development in the EAEU.

Topics for discussion:

- Possible ways and instruments of making a breakthrough in high-tech areas
- Towards first Eurasian corporations
- The role of financial and development institutions in promoting STI integration
- Human resources makes the difference: developing scientific capacity, boosting horizontal cooperation between EAEU scientific centres
- Priority Eurasian cooperative STI projects: from vision to action
- Best STI cooperation practices and ways of integrating EAEU into the global scientific landscape
- Prospects of drafting an international agreement on STI cooperation in the EAEU
- Tools to support academic mobility and cooperation among research institutions
- Foresight for international STI cooperation
- Opportunities for interregional and cluster-based cooperation in the EAEU
- The role of financial institutions and development institutions in the development of integration cooperation in the field of science and technology

Moderators:

- **Tatyana Meshkova**, HSE University, Russia
- **Vladimir Pereboev**, Eurasian Development Bank

10:15 **Welcome and opening remarks:**

- **Natalia Bocharova,** Deputy Minister of Science and Higher Education of the Russian Federation (tbc)
- **Sergei Glazyev,** Eurasian Economic Commission (tbc)
- **Artak Kamalyan**, Eurasian Economic Commission (tbc)

10:25 **Speakers:**

- **Zhaslan Azenov,** Eurasian Economic Commission
- **Elena Gorozhankina**, Ministry of Science and Higher Education of the Russian Federation (tbc)
- **Sergey Ignatov**, Eurasian Development Bank (tbc)
- **Philip Kazin,** HSE University, Russia
- **Arevik Khnkoyan**, Science Committee, Ministry of Education, Science, Culture and Sport of the Republic of Armenia (tbc)
- **Maxim Khomyakov,** University of Central Asia
- **Evgeniy Kutsenko**, HSE University, Russia
- **Lyazat Myltykbaeva,** JSC "Science Fund", Republic of Kazakhstan
- **Alexander Sokolov**, HSE University, Russia

11:30 **Discussants:**
Representatives of the Ministry of Economic Development of the Russian Federation
Representatives of universities and research centers of the EAEU member countries
Representatives of the Ministry of Education of the Republic of Belarus, Ministry of Education and Science of the Republic of Kazakhstan, Ministry of Education and Science of the Kyrgyz Republic
Representatives of Embassies of the EAEU member states, the Republic of Moldova, the Republic of Uzbekistan

11:40	**Wrap-up and closing remarks**
11:45	**Coffee break**

SESSION 5: SMART SPECIALIZATION FOR RUSSIAN REGIONS: INFORMATION SUPPORT AND PRACTICAL STEPS

Chair: Evgeny Kutsenko, HSE University, Russia

12:00	**Evgeny Kutsenko**, HSE University, Russia Atlas of economic specialization of Russian regions: report presentation
12:15	**Topics for discussion:** • What data should be used to discover smart specialization and how? • What policy lessons can be learned from the smart specialization concept? • How to move from the current specialization to the prospective one? **Invited discussants**: representatives of TCI Network, Utrecht University, Ministry of Economic Development of the Russian Federation, Ministry of Science and Higher Education of the Russian Federation
12:40	**Yaroslav Eferin**, World Bank **Kirill Tyurchev,** HSE University, Russia What diversification is typical for the Russian regions and what does it depend on?
12:55	**Topics for discussion:** • Do all the regions, including the rich and diversified ones, need to choose their priorities? • Is related diversification better than unrelated diversification? • What actually influences the emergence of new industries in regions? **Invited discussants**: representatives of TCI Network, Utrecht University, Ministry of Economic Development of the Russian Federation, Ministry of Science and Higher Education of the Russian Federation
13:20	**Wrap-up and closing remarks**
13:30	**Coffee break**

ROUND TABLE
INNOVATIVE MOSCOW: STRATEGIC CHALLENGES AND TACTICAL RESPONSES

13:45	**Leonid Gokhberg**, HSE University, Russia **Evgeny Kutsenko**, HSE University, Russia Analysis of Moscow's rankings in HSE Global Cities Innovation Index
14:00	**Andrei Fursin,** Department of Entrepreneurship and Innovative Development of Moscow, Government of Moscow, Russia Overview of current and prospective measures to support innovations in Moscow
14:15	**Topics for discussion:** • Competitive advantages and development capacities of Moscow • Priority areas of Moscow's innovative development: what to stake on and what could become a growth driver • Participants of Moscow innovation ecosystem: how to stimulate and strengthen cooperation between innovators? • Prospects for Moscow's partnership with global innovation centers **Invited discussants:** representatives of Skolkovo Foundation, Moscow Innovation Cluster Fund, Moscow Analytical Center, HSE University, Analytical Center of 'Moscow Urban Forum', International Medical Cluster Foundation, Moscow Center for Innovative Technologies in Health Care, Orbita Capital Partners
15:10	**Wrap-up and closing remarks**
15:15	**Coffee break**

April 16, 2021

SESSION 6: SCIENCE, TECHNOLOGY AND INNOVATION POLICY:
HSE UNIVERSITY RESEARCH RESULTS
Chair: Mikhail Gershman, HSE University, Russia

10:15	**Valeria Vlasova**, HSE University, Russia External openness of the enterprise and state support for innovation: is there a connection?
10:35	**Inga Ivanova**, HSE University, Russia Toward better growth policies in a modern economy: the comparison of three complexity indices
10:55	**Veronica Belousova**, **Nikolay Chichkanov, Zhaklin Krayushkina**, HSE University, Russia, **Ian Miles,** HSE University, Russia; University of Manchester, UK KIBS responses to the COVID-19 challenge
11:15	**Elena Ochirova,** HSE University, Russia Evaluating the effectiveness of M&A transactions in order to acquire technology and knowledge of ICT companies
11:35	**Discussion and wrap-up**
11:45	**Coffee break**

ROUND TABLE
STATE SUPPORT OF CREATIVE INDUSTRIES IN RUSSIAN REGIONS
Moderator: Evgeny Kutsenko, HSE University, Russia

12:00	**Olga Yarilova,** Deputy Minister of Culture of the Russian Federation Key statements of the draft 'Concept for the Development of Creative Industries and Mechanisms for Their State Support in Large and the Largest Urban Agglomerations until 2030'
12:20	**Topics for discussion:** • What does regional smart specialization in creative industries include, how can it be identified and shaped? • How to ensure the synchronization of federal and regional support measures and their focus on prospective creative industries of specialization? • How to make creative industries in regions globally competitive? To what extent are the innovation support tools and infrastructure appropriate for the development of creative industries? • What conditions are necessary for the systematic formation of viable creative clusters in Russian regions? **Invited discussants:** representatives of Federal State Budgetary Institution 'Roscultcenter', Ministry of Culture of the Republic of Tatarstan, Department of Entrepreneurship and Innovative Development of Moscow, Federation of Intellectual Property, HSE University, the United Nations Industrial Development Organization (UNIDO)
13:25	**Wrap-up and closing remarks**
13:30	**Coffee break**

*The symposium is organized in the framework of a research grant funded by the Ministry of Science and Higher Education of the Russian Federation (grant ID: 075-15-2020-928).