Dear colleagues!

Graduate School of Economics and Management of Ural Federal University is an accredited research and educational institution that adheres to international academic standards. Over the past 14 years the Faculty of Economics of Ural State University, and then GSEM UFU has been performing fundamental and applied research, as well as providing expert and analytical support for decision-making in the field of economic, social, scientific and technological development. Vast experience in fundamental and applied research made it possible to create our own strong methodological framework and unique research techniques. Accumulated competences enable us to conduct research and analysis of any complexity.

GSEM researchers’ works have received numerous grants of research foundations, including the Russian Foundation for Basic Research, the Russian Science Foundation, and the Russian Foundation for Humanities. The School is substantially involved in implementation of Federal Target Programmes aimed at big interdisciplinary research. Among the clients commissioning applied research there are public authorities, regional development institutions, big industrial companies, organisations of the financial sector, international audit companies, etc.

Our basis is highly qualified researchers and teaching faculty. We cooperate with prominent Russian and foreign researchers and implement joint projects with the most reputable academic institutions and research centres in Russia.

Our objective is to transform scientific knowledge and research experience into real management tools serving the interest of a customer.

Dmitry Tolmachev, PhD in Economics, Director of GSEM UrFU
Key competences in the field of fundamental and applied research

GSEM UrFU key competences in fundamental research

Developing optimal socio-economic systems that make it possible to model social, economic and innovative development at micro and macro levels in turbulent environment

Key projects:
- Mathematical models of local payment system lifecycles (2015-2016)
- Microsimulation modelling of effectiveness of tax system regulatory function (2012-2014)
- Analysing patterns of competitive development of centralised and distributed energy cogeneration systems in the face of economic imbalances (2016)

Projection of optimal socio-economic systems in turbulence of external and internal environment

The fundamental research challenge of the project is to develop optimal socio-economic systems in dynamic external and internal environment implementing advanced physical and mathematical methods. In the framework of this project researchers developed a theory of optimal socio-economic systems, summarised and systematised theoretical foundations of the simulation model for dynamic interactions of public health and socio-economic healthcare system indicators, elaborated theoretical basis for assessing dynamic interactions of socio-economic healthcare system characteristics and indicators of economic and social development and micro and macro levels.

http://www.nsf.ru/emp/43d/115—18—10014

Research concerning fundamental problems of balanced spatial development of the economy

Fundamental research performed in this competence area creates the basis for formulating theoretically substantiated forecasts and strategies for socio-economic development of regions and municipalities.

Among the most important projects in this area there are the following:
- Quantitative assessment of foreign direct investment import and export potential in the Russian economy on the basis of gravity models development (2014, 2015)
- External effects of foreign direct investment: empirical analysis for companies in the Ural region (2014, 2015)
- Stimulating development of the Silk Road Economic Belt. Synchronisation of tax institutions and customs procedures (2017)
- Assessment of early-developed territories assimilation potential in the contest of increasing economic activity (2012-2015)
- Factors of spatial development in the Russian economy (2016)

Stimulating development of the Silk Road Economic Belt. Synchronisation of tax institutions and customs procedures

The ground-breaking idea of this challenge lies in the system approach towards aligning fiscal interests of the countries participating in this global project. It includes synchronisation of tax instruments across the territory of the Silk Road Economic Belt. The current research includes comparative analysis of Russian and Chinese tax systems with calculations of effective tax rates for basic tax types; fiscal burden on the main factors of production in Russia and China with calculations of implicit tax rates for groups of taxes with common or similar tax base; formulation of recommendations and proposals in response to possible increase in illegal activities in the area of tax and customs duty evasion, as well as smuggling of goods.

Issues of the higher education system development in the Russian Federation: state, region, university, individual

The importance of these competences is conditioned upon the mission of a federal university in Russia at the national and Ural-Siberian macro-region scale of the education system.

Key projects:
- Analysis of interaction and demand for technologies, pilot and problem-oriented works between key Russian heavy engineering companies and related industries on the one side, and Russian specialised universities on the other (2012)
- Modelling individual learning trajectories and monitoring the higher education system as the basis for decision-making regarding its competitiveness enhancement (2015, 2016)
- Expert, consulting and analytical support for universities in key international rankings (BRICS and former USSR countries) (2015)
- Modelling individual learning trajectories and monitoring the higher education system as the basis for decision-making regarding its competitiveness enhancement. The system of higher education monitoring includes methodological and conceptual components. The elements of the methodological component are: methods of diagnostic assessment for the system of higher education in Russian regions in regards to operational conditions and the state of infrastructure, the level of training and research, influence of higher education system on the economy and population in a region. The conceptual component includes the following elements: the government regulation concept for training specialists in the higher education system, scenario analysis for implementation of the government regulation concept for training specialist with a university degree.

Providing rationale for innovation, research and technology development priorities

Projects realised in this field provide the basis for efficient government policies aimed at developing research and development, as well as innovation infrastructure.

Key projects:
- Development of a set of measures and mechanisms to enhance international cooperation effectiveness in the field of new production technologies (within the framework of the Federal Targeted Programme of the Ministry of Education and Science of the Russian Federation «Research and Development in Priority Areas of Development of the Russian Scientific and Technological Complex for 2014-2020»).
- The role of vertical inter-firm relations in innovation-driven development of the Russian economy (2012-2013)
- Research of Russian energy companies’ competitiveness in conditions of alternative renewable power sources development and distributed generation (2017-2018)
- Innovation-driven development in the resource-dependent Russian economy (2013)
Development of a set of measures and mechanisms to enhance cooperation and effectiveness in the field of new production technologies (within the framework of the Federal Targeted Programme of the Ministry of Education and Science of the Russian Federation «Research and Development in Priority Areas for Development of the Russian Research and Technological Complex for 2014-2020»)

Within the framework of the project approaches to identification and determination of priorities and trends of scientific and technological development were analyzed. It also describes an analytical review of competencies for new production technologies, including analysis of publications, patent landscapes, research grants, Russian and foreign clusters. The needs of Russian research groups in the use of intellectual and technological resources of foreign partners were identified. Within the project key international markets for the implementation of technologies and R&D products of Russian companies and organizations were analyzed, and a list of potential foreign consumers of R&D technical products was formed.

GSEM UrFU key competences in applied research
The core competencies of GSEM UrFU in the field of fundamental research provide the basis for formation of competencies in applied research.

The main area of applied research projects is management of territories, especially balanced development of regions and cities of industrial specialisation located in the Urals, Western and Eastern Siberia and development of territories with complex living conditions. Directions of research include issues of environmental development, preservation of human capital, management of industrial and innovation infrastructure development (Special Economic Zones, industrial and technological parks), urban economy, agglomeration development and urban development.

Elaboration of programmes on municipality and regional strategic development
Recently several major projects on creation of strategic documents for various territories have been implemented. The Strategy of Socio-Economic Development of the Sverdlovsk region was finalized and development programmes of a number of single-industry towns have been formed. Team of GSEM UrFU also took part in elaboration of economic policy of St. Petersburg, development strategy of the Republic of Tatarstan and socio-economic strategy of the city of Kurgan until 2030.

Key projects:
- Participation in elaboration of Strategy of Socio-Economic Development of the City of Kurgan until 2030 and elaboration of Comprehensive Plan for the strategy implementation (2014)
- Participation in elaboration of Strategy of Socio-Economic Development of the Republic of Tatarstan until 2030
- Concept of Economic Development of Ufa until 2030 (2015)
- Development of Tools for Synchronizing Strategic Planning Documents of Leningrad Region of the Regional Level with the Documents of Strategic Planning of Municipalities (2014)
- Participation in elaboration of Proposals on the Formation and establishment of Special Economic Zones in the regions of the Sverdlovsk region (2012-2015)
- Concept of Synchronizing Strategic Planning of Municipalities (2012)
- Concept of Development of the City of Ufa until 2030 (2015)
- Development of Strategy of Socio-Economic Development of the Sverdlovsk Region until 2030 (2013)
- Development of programmes on municipality and regional strategic development

Projects for development of industrial, investment and innovation infrastructure
Over a dozen projects for development of industrial sites, industrial and technology parks, Special Economic Zones (SEZ) have been carried out on the given subject. The list of projects includes programmes for development of a number of innovative territorial clusters, and in particular the only one in the Ural Federal District that has been included in the list for support from the Ministry of Economic Development of the Russian Federation «Titanium Cluster of the Sverdlovsk Region».

Key projects:
- Development of Concept for Creation and Development of a Special Economic Zone «Titanium Valley» (Sverdlovsk region) (2014)
- Elaboration of Programme for Development of Innovative Territorial Cluster «Titanium Cluster of the Sverdlovsk Region» (2012)
- Development of Concept for Creation of Industrial Park in the City of Ikuzuk (2013)
- Concept of Creating and Developing an Innovation and Industrial Territory in the City of Rostov-on-Don (2014)
- Support of R&D and Innovative Development Projects, including application of technological forecast methods. Over a dozen projects have been implemented on this subject, including the forecast of demand for R&D by large industrial companies in the region and identification of promising breakthrough markets. Among the projects possible models of regional enterprises to enter these markets were identified (for such narrow market segments as photonics, sensors and transducers, additive and laser technologies, nanotubes, production chains elements of aircraft construction, etc).

Key projects:
- Creation of Strategic Documents for Development of Regional Engineering Center «Laser and Additive Technologies» (REC) based in UfU (2013-2014)
- Identification of Promising Sources of Research for Ural Federal University (2015)
- Innovative Activity of Industrial Companies in the Urals: Current State and Forecast of Changes (2013)
- Strategy of the Sverdlovsk Region Innovative Development until 2020 and its updating

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The best world experience of innovative development and the current state of the Sverdlovsk region in comparison with other regions of the Russian Federation were analyzed in the following areas: Innovative Activity; Development of Innovative Infrastructure; Potential for the Development of R&D Sector; Human Capital Resources, etc. The goals, tasks, priorities, mechanisms of Sverdlovsk region economic policy in the area of innovative development were determined. Within the strategy the following tasks have been carried out:
- analysis of the current state, resources, potential (including the demand for innovation) and contradictions of the innovative sector development of the Sverdlovsk region economy (based on the results of 2014 and the first half of 2015). The task was solved by a survey and on-site monitoring of innovative organisations;
- adjustment of the goals of the Sverdlovsk region innovative development and strategy of their achievement. Priorities, constraints, opportunities and external environment economic challenges were taken into account during the research;
- elaboration of an effective management model for regional innovation infrastructure;
- forecast of the Sverdlovsk region innovative development up to 2030.

The Strategy of Socio-Economic Development of the Sverdlovsk Region until 2030
The main objective of the document was to increase the competitiveness of the region. To this end, competitive advantages of the Sverdlovsk region were analyzed and promising development vectors and growth areas of the region were identified. All the focus areas of the strategy were closely connected with the main development priorities of the Russian Federation and Ural Federal District. The interests of the leading regional companies and external investors were taken into consideration. Strategy 2030 was developed basing on the three main priorities: New Quality of Life, New Industrialization and Territory for Life and Business. The document included 27 projects for implementation of the main priorities which became a basis for the plan of the strategy realization. The Strategy was approved by Law of the Sverdlovsk Region.
International Conference «Russian Regions in the Focus of Changes»

For many years the conference has been one of the biggest discussion platforms covering issues of industrial regions development, gathering about 700 persons of business representatives, government authorities, expert community of Russian regions. The Conference takes place with the support of leading Russian media holding «Expert».

The programme includes:
- business and academic days,
- open lectures and master classes of visiting experts,
- more than 20 research thematic sessions,
- youth forum,
- round table discussions of leading business schools
- other special events:
  - 2 dozens of sessions during 3 days,
  - 27 federal and foreign speakers,
  - a great number of speakers from corporates and regional authorities, around 700 participants from 22 Russian regions and 12 countries.

From one year to another leading experts participate at the Conference:
- Evgeny Yasin, Ex-Minister of Economic Development of Russia (personal commitment), Andrey Klepach, Deputy Chairman of Vnesheconombank, leading national bank for Foreign Economic Activity (annual plenary speaker), Kseniya Yudaeva, Bank of Russia First Deputy Governor and others.

In 2017 EEPAS EFMD Accreditation Seminar took place within the framework of the Conference. Director of Quality Services EFMD David Asch and Associate Director of EFMD Global Network Central and Eastern Europe Ivana Marinovic became the key speakers of the event.

The Conference also include workshop of Regional Studies Association (the United Kingdom), a round table with Association of Russian Economic Think Tanks gathering all the leading think tanks of the country, a round table for international business schools, more than 20 thematic sessions, and other events.

Andrey Klepach, former Deputy Minister of Economic Development and Trade of the Russian Federation, Deputy Chairman (chief economist) – Member of the Board of the Bank for Development and Foreign Economic Affairs (Vnesheconombank):
— We need new solutions that allow to invest in human capital even at the low price of oil.

Dr. Evgeny G. Yasin, Academic Supervisor of Higher School of Economics (Moscow), Ex-Minister of Economic Development of Russian Federation, member of Programme Committee Presidium of the Conference:
— According to my estimates, entrepreneurs have adjusted their businesses well during the favorable years, and today companies have resources. But they need guarantees to spend their own money. If there are no changes in the investment climate, in relationship between authorities and business, then the economic recovery will not be possible.
There are 5 research journals at Graduate School of Economics and Management UrFU:

- **Economy of Region** is published jointly with Institute of Economics, Russian Academy of Sciences (Ural Branch). The aim of the journal is to show distinctive results of both theoretical and applied research in the area of regional economy, presence in Scopus, EBSCO, HDON, Ulrich’s Periodicals Directory, E-Library databases gives to Russian scientists an opportunity to make their research contributions available for international academic community. Economy of Region is the only economic journal published across the Urals, Siberia and the Far East and indexed in Scopus and Emerging Source Citation Index (WoS).
  

- **The International Journal of Energy Production and Management** is published jointly with WIT Press, the United Kingdom. The journal includes research contributions on a variety of aspects related to energy: development and restoration of primary and renewable energy sources, generation, storage and distribution of energy. The journal is functioning as an interdisciplinary forum of theorists and practitioners from all over the world whose work is related to a wide range of issues of the energy future.
  
  [http://www.witpress.com/journals/eq](http://www.witpress.com/journals/eq)

- **Journal of Tax Reform** The journal is published jointly with Baikal State University since 2015. The journal is included in Russian Science Citation Index and Emerging Source Citation Index (WoS).
  

- **R-Economy** is a journal in the area of economics which gives an opportunity to publish research results dedicated to a wide range of economic issues. The topics include socio-economic development of regions and inter-industry regional complexes, economic security, government regulation of regional development, integration of Russia into global socio-economic processes.
  
  [http://r-economy.ru](http://r-economy.ru)

- **Bulletin of Ural Federal University Series Economics and Management**. The journal is published since August 2002. It is included in the List of Leading Peer-reviewed Scientific Journals and Publications recommended by State Commission for Academic Degrees and Titles of Russia for publishing the major research results of theses for Dr.Sc. (Economics). The journal is included in Russian Science Citation Index and Emerging Source Citation Index (WoS).
  

- **Journals of Energy Production and Management** are published in English.
  
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**The distinctive features of GSEM Journals are:**
- Cooperation with partners of a high reputation in academy field
- Objectives to ensure the journals being indexed in international bibliographic databases Scopus and WoS.

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