PROGRAM OF THE INTERNATIONAL FORUM «AGROTEH-2019. STEPS BEYOND THE HORIZON»

Date: May 30-31, 2019

Venue: National Research University Higher School of Economics, Myasnitskaya Str., 20

Time: 10.00 AM – 06.00 PM

May, 30, 2019		
10.00 AM 01.00 PM	PLENARY PANEL (HALL 311)	
01.00 PM	World Trends In The Development Of Agrarian Sci	ience And Technology
	 Eugeny G. Yasin, Scientific Director of N Leonid M. Gokhberg, First Vice-Rector o 	an Academy of Science, Agriculture Department IRU Higher School of Economics
	 Eugeny V. Zaytsev, Managing Partner of Ivan S. Sandu, Head of the Division 	Global Harvest Initiative (USA) Ministry of Agriculture of Republic of Belorussia Helix Venture Fund on Economic Problem of Scientific and Technological ex, Federal Scientific Centre on Agrarian Economics and Institute of Agrarian Economics f Genetics, «Miratorg» company «National Organic Union»
01.00 PM- 02.00 PM	Lunch	
02.00 PM-	Expert Sessions	
05.30 PM	Bioengineering and Genetics (Hall 311)	The Digital Revolution in Agriculture (Hall 101)
	What technologies are critical to cost-effective agriculture of the future? What are the growth reserves hidden in livestock	"Agriculture is becoming digital - smart solutions for future agriculture" this challenge will be discussed as a part of this expert panel.
	breeding: creation of disease-resistant plant varieties, fast-growing gardens and use of genetically modified strains for the production of animal feed additives and plant protection products?	The digitalization program for agriculture is being developed in Russia this year. How can digital agriculture contribute efficiency and environmentally friendly food production?
	New Chemistry and Combined Methods of Plant Protection (Hall 309) Chemistry or biology? What the largest chemical corporations that produce chemical fertilizers and plant protection products think of? How to meet the demands of consumers for biotechnologies and not to reduce yields.	In the world, everyone is talking about blockchain technology. Over the past few years, technology has developed rapidly and now provides solutions for greater sustainability in supply chains in agriculture, food security and land registration. Some experts claim that the blockchain will revolutionize world agriculture. Others, however, argue that people expect too much from blockchain technology.
	Restrictions in the legislation and new scientific decisions.	Engineering and Robotization (Hall 101)
		A group of experts will discuss the possibilities and limitations of robotization and use of new engineering technologies in the agrifood chain.
		Digitization of the profession and remote control of specialists, robotic systems for the care of animals and plants, optimization of agricultural equipment, land monitoring and weather conditions. Smart agriculture.

05.30 PM- 06.30 PM	Gala Dinner for Forum Participants	
01.00 PM- 05.00 PM	Business Lounge – negotiations between the foru	m participants (Partnering) (Hall 300)
May, 31,	2019	
10.00 AM 12.00 AM.	PLENARY PANEL (HALL 311)	
12.0012.11	Mechanisms of state support for innovation in th	ne agricultural sector
	Key Speakers:	
		e President of the Russian Federation
	 Evgeny S. Savchenko, Governor of I Alexey M. Medyedev, Deputy Mi 	inister of Science and Higher Education of the Russian
	Federation	
	 Thomas L. Thompson, Associate Dea Life Sciences, Virginia Polytechnic V 	an and Director-Global Program, College of Agriculture and University
	 Ivan V. Lebedev, Stats-Secretary - D 	Deputy Minister of Agriculture of the Russian Federation
	Ekaterina S. Petrova, Director of Control	
	Altaev R.V., Director for Develo biotechnological and Medical Techn	pment and Cooperation with Key Partners, Cluster of
12.00 AM	Lunch	8
01.00 PM 01.00 PM-	Evnout Sessions	
05.00 PM	Expert Sessions Venture funds and technology transfer funds (Hall 101)	Innovations in rural development (Hall 311)
	(11111 101)	Innovative solutions for integrated rural development.
	Innovative technologies in agriculture is actively	The impact of new technologies on employment and
	growing sector for the industry of startups and global venture financing. The volume of	incomes of the rural population. Key areas of agricultural policy for innovative development of rural areas.
	investment was 10.1 billion dollars in 2017.	poncy for innovative development of fural areas.
		The draft of the state program "Complex development of
	The perspective investment segments in world	rural territories till 2025" which include the new
	aggrotech in the last 2-3 years are e-Grocery (supply chains from a farm to the final consumer	approaches to the development of social and engineering rural infrastructure is discussed now.
	and logistics), agrobiotechnologies, processing	
	technologies, technologies of "smart" agriculture and farms control systems, innovative food, all	What kind of infrastructure it should be? Total
	types of electronic systems and platforms for	connection to the Internet and mobile networks, programs of remote access to the training and medicine services,
	agricultural products selling .	development the Internet platforms and marketplaces for
		improvement of life quality?
	Foreign practice shows that "ecosystems" and all types of accelerators with support of deals and	All those and other issues of the impossitive devialenment
	"packing" of the projects is very important for	All these and other issues of the innovative development will be discussed on this section between specialists of the
	projects developments. Oversize there is a shortage of projects for investment at later stages.	Ministry of Agriculture, Ministry of Science and the
	shortage of projects for investment at fater stages.	Higher education and the Ministry of Health and others federal executive authorities, representatives of business
	How this "ecosystem" is working in Russia? At	reacture dutilistines, representatives of business
	what stages of investments specialized instruments	
	of support exist? The system of grants of Skolkovo Foundation, RVK for innovative	
	projects in agricultural sector is it effective?	
	How it is possible to invest the project at later	
	stages? (Tools of FRP, FSTP Funds). What types	
	of support and investments are not enough if to	
	analyze Russian and international experience?	
	State investment in agrarian science (Hall 101)	Modern system of agricultural education and
	The Federal Scientific and Technical Program of	retraining (Hall 309)
	development of agriculture (FSTP) for 2017 -	For the last 10-15 years, Russia became one of the leading
	2025 was approved in Russia. The amount of financing of FSTP will be 26.1 billion rubles.	exporters of agricultural products in the world market. At
	immenig of 1511 will be 20.1 billion tubles.	the same time, it is supposed to increase export volume up to 45 billion rubles until 2025

This program will give a strong impulse for the

development of the innovation technologies and

stable increase in production of agricultural

to 45 billion rubles until 2025.

This plan is impossible to realize without intensification of

the existing agriculture, strict control over expenses and economic profitability and constant use of the most

products. It will allow to involve business, science research organizations, engineering and service companies in cooperation.

Ministry of Agriculture of Russian Federation, Ministry of Science and High Education will tell about the existing mechanisms of support and development perspectives of these tools.

Participants of the first subprograms will be invited to discussion with the presentations of the projects in the field of potato growing, beet breeding, development and implementation of feed additives for livestock production.

advanced technologies in genetics, fodders, plant protection and production of seeds.

For implementation of new technologies, we need essentially different education system. The level of experts' skills should conform to the requirements of digitalization of agriculture, complexity level of production technologies.

The separate task is education requirements for the specialists working for life sciences and agriculture research. How to build interaction and cooperation between Agricultural Universities and RAS research institutes.

Development of essentially new standards of education and retraining of personnel is necessary for agriculture taking into account international experience of EU countries and USA. For the last decades, the gap between science education and requirements of the modern agricultural industry became very considerable.

10.00 AM.-05.00 PM Business Lounge – negotiations between the forum participants (Partnering) (Hall 300)

May 30, 2019

Bioengineering and Genetics (Hall 311)

Date: May 30, 2019

Venue: Myasnitskaya Str., 20 Time: 02.00 PM – 05.00 PM

Time	Presentation	
	Moderator: Nadezhda V. Orlova, Head of Division on Economics of Innovations, Institute for Agrarian Research, NRU Higher School of Economics	
02.00 PM- 02.15 PM	Key Areas of Agricultural Innovations in the Word and Russia Speaker: Orlova N.V., Head of Division on Economics of Innovations, Institute for Agrarian Research, NRU Higher School of Economics	
02.15 PM- 02.30 PM	Key Areas in Genetics of Dairy Industry Speaker: Smirnova O.G., Executive Director, Association of Holstein Breed Producers	
02.30 PM- 02.50 PM	Methods of Genetic Diagnostics and Breeding Process: current situation and perspectives in the word and Russia Speaker: Pekov Yu. A., Executive Director, «Ksivalue» company	
02.50 PM- 03.10 PM	Bio-informatics Analysis in Project of Genome Breeding Process Speaker: Chernyaeva E.N., Senior Specialist on Bio-Informatics, Project «Laboratory «Miratorg Genetics»	
03.10 PM- 03.30 PM	Genome Technologies in Livestock Breeding: First Results Speaker: Rukin I.V., Head of Laboratory on Moleclar and Genetics Expertise, JSC «Agroplem»	
03.30 PM- 03.45 PM	Coffee-Break	
03.45 PM- 04.05 PM	Project on Work with Animal Embryo Speaker: Belyaev V.K., General Director, «Artembriogen» company	
04.05 PM- 04.20 PM	Industrial Biotechnologies for Agriculture Speaker: Sineoky S.P., Head of All-Russian collection of Industrial Strains, State Research Institute on Genetics	
04.20 PM- 04.40 PM	Transfer of Biotechnological Innovations for Agro-Industrial Complex Speaker: Krichevsky A.N., Chairman of Director's Board, «Sibbiofarm» company	

New Chemistry and Combined Methods of Plant Protection (Hall 309)

Date: May 30, 2019

Venue: Myasnitskaya Str., 20 Time: 02.00 PM – 04.30 PM

Time	Presentation
	Roman V. Nekrasov, Director of Department of Crop Production, Mechanization, Chemistry and Plant Protection, griculture of the Russian Federation
02.00 PM- 02.05 PM	Opening. Greeting words Speaker: Nekrasov R.V., Director of Department of Crop Production, Mechanization, Chemistry and Plant Protection, Ministry of Agriculture of the Russian Federation
02.05 PM- 02.25 PM	Advanced Technologies for Soil Fertility Increasing based on fertilizing (word experience) Speaker: Rubanov I.N., Senior Researcher, Geographic Faculty, Lomonosov Moscow State University
02.25PM- 02.50 PM	Fertilizers with Advanced Efficiency: Myth or Reality? How to save the nitrogen for crops and increase the income from one invested ruble Speaker: Seregin M.S., General Director, JSC «Euro ChimTradingRus, Grebennikova T.V., Marketing Director, JSC «Eurochem Trading Rus»
02.50 PM- 03.10 PM	Sustainable Soil Management. Combined Methods of Plant Protection Speaker: Hafiz Muminjanov, Agricultural Officer, FAO HQ
03.10 PM- 03.30 PM	New Chemistry and Combined Methods of Plant Protection Speaker: Dubrovskikh L.N., Head of Agronomic Service, «FosAgro» company
03.30 PM- 03.45 PM	Coffee-Break
03.45 PM- 04.05 PM	Plant Protection – Combination of Intellectual Decisions with Distant and Standard Methods Speaker: Glinushkin A.P., Director, All-Russian Research Institute on Phytopathology
04.05 PM- 04.30 PM	Innovative Strategies for Development if Crop Production Speaker: Ivanov K.A., Head of Division on Environmental Management, Direction on Cooperation with Governmental Bodies, «Uralkhim» company

The Digital Revolution in Agriculture (Engineering and Robotization) (Hall 101)

Date: May 30, 2019

Venue: Myasnitskaya Str., 20 Time: 02.00 PM – 06.00 PM

Time	Presentation
Moderator: Svetlana V. Maltseva, Head of Faculty of Business and Management, School of Business Informatics of NRU Higher School of Economics	
Thomas L. T. Polytechnic U	
02.00 PM- 02.15 PM	Land Monitoring System, "Smart Hectare" Project Speaker: Shapovalov D.A., Vice-Rector FOR Scientific and Innovation Work, State University on Land Management, Evstratova L.G., Associate Professor, Department of Mapping, State University on Land Management
02.15 PM- 02.30 PM	The Digital Revolution in Agriculture - An overview of e-agriculture in Europe and Central Asia Speaker: Sophie Treinen, Information and knowledge management officer, FAO Regional Office for Europe and Central Asia
02.30 PM- 02.45 PM	Modern Methods and Information Systems for Arable Land and Crop Monitoring Speaker: Lupyan E.A., Deputy Director, Institute for Space Research of Russian Academy of Science
02.45 PM- 03.00 PM	Digital Technologies for Land and Soil Monitoring Speaker: Savin I. Yu., Deputy Director on Scientific Work, Dokuchaev Soil Institute, Corresponding Member of Russian Academy of Science
03.00 PM- 03.15 PM	Video-Conference with FAO HQ Speaker: Josef Schmidhuber, Deputy Director, Trade and Markets Division, FAO HQ, Mischa Tripoli, Economist, Trade and Markets Division, FAO HQ
03.15 PM- 03.30 PM	Realization of Strategy on Digitalization of Agro-Industrial Complex in Russia: prospective and barriers Speaker: Maximova T.P., Associate Professor, Department of Economic Theory, Russian Economic University named after Georgy V. Plekhanov
03.30 PM- 03.45 PM	Coffee-Break
Case studies	
03.45 PM- 04.05 PM	Initiative «Smart Farm» as example of effective project realization Speaker: Thomas L. Thompson, Associate Dean and Director-Global Program, College of Agriculture and Life Sciences, Virginia Polytechnic University
04.05 PM - 04.20 PM	Digital Agriculture: cases on data analysis technologies in agricultural production Speaker: Shekhol'tseva O., Director of Risk Management Department, «Delloitte CIS» company
04.20 PM- 04.35 PM	Agroanalitics agromodule for agriculture Speaker: Ruzaev A.V., Head of Trade Group, Рузаев А.В., «TN-group» company
04.35 PM- 04.50 PM	IoT- new opportunities for agrarian industry Speaker: Dolbnev A.V., Director of Business Development, «Tibbo Systems» company
04.50 PM- 05.05 PM	IoT Economics in Crop Production Speaker: Korshunov V.G., General Director, JSC «InfoBiS» (Agrosignal), Mizera S.V., Director for Business Development, JSC «InfoBiS» (Agrosignal)
Engineering a	and Robotization
05.05 PM- 05.25 PM	Present and Future of Digital Agriculture Speaker: Maklakov M.S., Marketing Director for CIS countries «John Deer Agricultural Holdings»
05.25 PM- 05.45 PM	Robotechnics and Drone Technologies for Agriculture Speaker: Savel'ev Yu. V., General Director, «Aurora Robotics» company
05.45 PM- 06.00 PM	Development of united global information and analytical systems on monitoring of production quality, logistics and processing of milk and dairy products Speaker: Dusaev M.M., Director, «AgroInnovations» company

May 31, 2019

Innovations in rural development (Hall 311)

Date: May 31, 2019

Venue: Myasnitskaya Str., 20 Time: 01.00 PM – 05.00 PM

Time	Presentation
	l Renata G. Yanbykh, Head of Division on Agrarian Policy, Institute for Agrarian Research, NRU Higher School
of Economics Alexey S. Nat of Economics	nmov, Head of Division on Problems of Rural Development, Institute for Agrarian Research, NRU Higher School
01.00 PM- 01.20 PM	Project of State Program on Complex Rural Development: Key Areas and Challenges Speaker: Borovoy M.V., Director of Department of Rural Development, Ministry of Agriculture of the Russian Federation
01.20 PM- 01.40 PM	Region Programs of Rural Support in Belgorod Region Speaker: Savchenko E.S., Governor of Belgorod region
01.40 PM- 02.00 PM	Region Programs of Rural Support in Tambov Region Speaker: Nikitin A.V., Head of Administration of Tambov region
02.00 PM - 02.20 PM	Region Programs of Rural Support in Voronezh Region Speaker: Logvinov V.I., Vice-Prime Minister of Voronezh region
02.20 PM- 02.35 PM	Publics - Private Partnership as Mechanism of Innovations and Investments in Agriculture: International Experience Speaker: Korchakova-Khib N., Managing Director, «SDG 17 Consulting Gmbh» company (Frankfurt-on-Main, Germany)
02.35 PM- 02.50 PM	Rural Development Strategy based on Science and Technologies Dissemination: Spanish Experience Speaker: Petrosyan A. M., Director, «Universal Knowmad» (Spain)
02.50 PM- 03.00 PM	Implementation of International Experience on Rural Development Policy in Russia Speaker: Head of Division on Problems of Rural Development, Institute for Agrarian Research, NRU Higher School of Economics
03.00 PM- 03.15 PM	Coffee-Break
03.15 PM- 03.35 PM	Specify of Rural Development in Republic of Karelia Speaker: Labinov V.V., Acting Deputy Vice-Minister of Republic of Karelia
03.35 PM - 03.55 PM	Questions of Innovative Rural Development Speaker: Butusov D.V., Deputy Government Chairman on Agro-Industrial Complex of Orel region
03.55 PM- 04.15 PM	Experience of Economic Rural Development in Altay region Speaker: Schetinin M.P., Deputy Governor on Economics of Altay region (2005-2014), Head of the Department, Altay State Technical University
04.15 PM- 04.25 PM	Expirience of Target Programs in Republic of Tatarstan Speaker: Gafurov I. S., Head of the Division of Investment Policy and Target Programs, Ministry of Agriculture and Food of Republic of Tatarstan
Case studies	
04.35 PM- 04.45 PM	Geothermal Heating Systems for Rural Areas Speaker: Starichkov I.I., Managing Partner, «Geoteplo» company
04.45 PM- 05.00 PM	Autonomic Solutions for Energy Supply in Rural Areas Speaker: Akimova V.V., Researcher, Geographic Faculty, Lomonosov Moscow State University

State investment in agrarian science (Hall 101)

Date: May 31, 2019

Venue: Myasnitskaya Str., 20
Time: 03.15 PM – 05.00 PM

Time	Presentation	
of the Russian	Moderator: Vyacheslav A. Popov, Director of Department of Scientific and Technological Policy, Ministry of Agriculture of the Russian Federation, Vasily S. Morozov, Deputy Director of Department of Scientific and Technological Policy, Ministry of Agriculture of the Russian Federation	
03.15 PM- 03.35 PM	Support measures of Agrotechnologies in the Russian Federation. Federal Scientific and Technological Program on Development of Agriculture for the period of 2017 - 2025. Branch subprograms: forage, genetics of dairy and meat livestock, breeding process and seed production of potatoes and sugar beetroot. Speaker: Popov V.A., Director of Department of Scientific and Technological Policy, Ministry of Agriculture of the Russian Federation	
03.35 PM- 03.55 PM	Complex plan of Scientific Researches "Development of Genetics Potential of Dairy Livestock Breeds" Speaker: Nekrasov R.V., Senior Researcher, Head of Division of Livestock Feeding, «Federal Scientific Centre of Livestock – All-Russian Livestock Institute named after Lev K. Ernst"	
03.55 PM- 04.15 PM	Development Programs for Agro-Industrial Complex of the Ministry of Science and Higher Education of the Russian Federation. Joint Programs on Development and Support of Innovations in Agro-Industrial Complex with the Ministry of Agriculture of the Russian Federation Speaker: Bagirov V.A., Director of Department on Coordination with Agricultural Organizations, Ministry of Science and Higher Education of the Russian Federation, Rezvanov R.I., Head of Division on Programs and Projects, Department on Coordination with Agricultural Organizations, Ministry of Science and Higher Education of the Russian Federation	
04.15 PM- 04.30 PM	Perspectives of Development of Livestock Genetics in the Russian Federation Speaker: Smirnova O.G., Executive Director, Association of Holstein Breed Producers	
04.30 PM- 05.00 PM	Discussion of projects of Federal Scientific and Technological Program on Development of Agriculture for the period of 2017 – 2025 and Subprograms	

Venture funds and technology transfer funds (Hall 101)

Date: May 31, 2019

Venue: Myasnitskaya Str., 20 Time: 01.00 PM – 03.00 PM

Time	Presentation	
Moderator: E	Moderator: Evgeny V. Zaytsev, Managing Partner of Helix Venture Fund	
01.00 PM- 01.15 PM	Key areas for Investments in Agrotechnologies in the Word Speaker: Zaytsev E.V., Managing Partner of Helix Venture Fund	
01.15 PM- 01.30 PM	Development Stages of the Projects in Agro-Industrial Complex for Implementation of Support Instruments of Fund «Skolkovo» Speaker: Danilov P., Managing Partner, Agro technological Fund, JSC «Skolkovo – Venture Investments»	
01.30 PM - 01.50 PM	Possibility of «Local» Technology. Experience of Cooperation with International Venture Projects Speaker: Konov A.L., Конов А. Л., Managing Partner, Venture Fund «RBV Capital»	
01.50 PM - 02.10 PM	Competition and Cooperation in Branch Speaker: Mikitas' A.V., Deputy General Director «Fund for Support of Small Enterprises in Scientific and Technical Sphere» (Fund for Support of Innovations)	
02.10 PM- 02.30 PM	Investment Experience of Regional Venture Funds. Perspectives of Development of Agrarian Innovations in Republic of Tatarstan Speaker: Savva A.V., Deputy Director, NPO «Investment and Venture Fund of Republic of Tatarstan»	
02.30 PM - 02.45 PM	Managing Experience and Accelerator Programs' Development for Agrobiotech «GenerationS» Speaker: Borodin A.K., Director on Accelerator Programs, JC «RVK»	
02.45 PM- 03.00 PM	Perspective Areas for Investments in Agrotechnologies. Perspectives and Barriers for Investments in Agrotechnologies in Russia Speaker: Maslennikov A.V., General Director, «Region Capital Partners» company	

$Modern\ system\ of\ agricultural\ education\ and\ retraining\ (Hall\ 309)$

Date: May 31, 2019

Venue: Myasnitskaya Str., 20 Time: 03.15 PM – 05.00 PM

Time	Presentation	
	Moderator: Alexey A. Svistunov, Deputy Director of Department of Scientific and Technological Policy, Ministry of Agriculture of the Russian Federation	
03.15 PM- 03.30 PM	Perspectives for Reforms of Agrarian Education in the Russian Federation Speaker: Svistunov A.A., Deputy Director of Department of Scientific and Technological Policy, Ministry of Agriculture of the Russian Federation	
03.30 PM- 03.50 PM	Digital Skills – Capacity Development from Farmers up to Policy Level Speaker: Sophie Treinen, Information and knowledge management officer, FAO Regional Office for Europe and Central Asia	
03.50 PM- 04.10 PM	Competences of Advanced Development. Targets and Objectives of Scientific and Educational Centers for Agro- Industrial Complex. Speaker: Chulok A.A., Director of Centre of Scientific and Technological Prognosis, Institute for Statistical Research and Economics, NRU Higher School of Economics	
04.10 PM- 04.30 PM	Digital Competences Development of Specialists - Key Vector for Digital Agriculture Speaker: Maltseva S.V., Head of Faculty of Business and Management, School of Business Informatics, NRU Higher School of Economics, Gorbunov A.A., Lecturer, Department of IT and Digital Infrastructure Management, School of Business Informatics, NRU Higher School of Economics	
04.30 PM - 04.45 PM	Long-Life Learning as Factor of Digital Transformation of Agro-Industrial Complex in Russia Speaker: Dorofeev A.N., Associate Professor, Department of IT and Digital Infrastructure Management, School of Business Informatics, NRU Higher School of Economics	
04.45 PM- 05.15 PM	International Cooperation and Education Quality Management in Russian Regions Scientific development programs for medium term period (5 years) at Russian agrarian universities: - Voronezh State Agrarian University named after Emperor Peter I - State Agrarian University of North Zaural'e (Tyumen State Agrarian Academy) - Russian State Agrarian University – Moscow Timiryazev Agricultural Academy - Stavropol State Agrarian University	