

International Congress "Biomass: Fuel & Power - 2012" Program

Day 1, Tuesday, April 17, 2012

8:30 Start of registration and welcome coffee

10:00 - 11:30 **SESSION: Legislation, Public Policy and Market Infrastructure of Liquid & Solids Biofuels**

Biofuels as a tool for regional development. The possibility of ethanol production for domestic processing, without the excise tax. Oil industry and biofuels. Will Russia have "green tariff"? Aviation biofuel, tax on CO₂ emissions for airlines.

Ivan GRACHEV, Chairman of State Duma Committee on Energy

Vladimir BASKOV, Deputy General Director, "Russian Energy Agency", a federal state organization of the Ministry of Energy of Russian Federation

Bioenergy in Russia: fad or real?

Dmitry ADOV, Director, Strategy Partners Group

Road map of biofuels industry development.

Kaisu ANNALA, Senior Consultant, Indufor Oy, Finland

Regulatory and legal framework for biofuel industry in Russia and EU.

Julia CHERNYAKHOVSKAYA, Deputy General Director, "Russian Energy Agency", a federal state organization of the Ministry of Energy of Russian Federation

Presentation of project "Renewable Energy Resources Portal": a guide for investor.

Alina OSMAKOVA, Executive Director of Technology Platform "Bioindustry & Bioresources "Biotech 2030"

Russian Technology Platform "Bioindustry & Bioresources - BioTech2030": industrial communication as a basis for bioeconomy in Russia.

Stepan DUDAREV, "BIOENERGETIKA", Technology Platform Coordinator, National Research Center "Kurchatov Institute"

Technology Platform "BIOENERGETIKA", a strategic research program.

Yuri SHUSHKEVICH, Ph.D, Head of Biotechnology Project, BASIC ELEMENT holding

Prospects and goals of new agrarian economy of Russia as a business environment for establishing and development of industrial biotechnology and bioeconomy.

12:00 - 13:30 SESSION: Biorefinery - the Core of Regional Development and the Foundation for Sustainable Development of the Industry

What is biorefinery? What are examples of successful biorefineries? What is the product list for multiproducts plant? What kind of investments and return can I expect? Can I build a "small biorefinery"? Conversion of present alcohol plants into production of biochemicals and biofuels.

Anna SCHMIDT, Project Coordinator, German-Russian Cooperation Network on Biotechnology, Industrial Biotechnology Cluster CLIB2021

Cooperation between Russia and Germany in the area of biomass processing and industrial biotechnology.

Olga SELIFONOVA, Chief Executive Officer, Founder, Reluceo, USA

Integrated approach to renewable carbon not only for biofuels and power, but also higher value chemicals and polymers.

Elena ANGELOVA, Scientist, German Biomass Research Center (DBFZ), Coordinator of Energy Projects in East Europe

SOJUS, a scientific network for bioenergy - international scientific cooperation in the area of bioenergy, Germany, East Europe and Central Asia.

Dmitry ARSENEV, Director, NPK "Ecologia", Russia

Conversion of alcohol plants.

Wolfgang SCHWARZ, Research Director, Institute of Microbiology, Technical University of Munich TUM (Germany)

Conversion of biomass to platform chemicals, biofuels and bioenergy.

13:30 - 15:00 Lunch

15:00 - 16:30 SESSION: BIOGAS**Evgeniy PANTSKHAVA, Chief Specialist, "Russian Energy Agency", a federal state organization of the Ministry of Energy of Russian Federation**

Biogas - an efficient biofuel for agribusiness industry in Russia.

Elena ANGELOVA, Scientist, German Biomass Research Center (DBFZ), Coordinator of Energy Projects in East Europe

Sustainable strategy of biomethane production in Russian Federation, Ukraine and Belarus.

Alexey OREKHOV, Deputy Business Development Executive, "Regional Center of Biotechnology", Russia

Experience of Belgorod region in building biogas stations on livestock wastes.

Velina DENYSENKO, Scientist, German Biomass Research Center, German

Bioenergy potentials in Kaluga, Orel, Nizhny Novgorod and Republic of Tatarstan.

Walter STINNER, PhD, German Biomass Research Center, (DBFZ) Germany,
Gennady KOLYASIN (Kaluga), Irina PHILLIPOVICH (IBC Solution, Orel), Dr. Inna
Strategic options for bioenergy utilization in Kaluga, Orel, Nizhny Novgorod and
Republic of Tatarstan.

Evgeniy LOGINOV, professor, Director of Technopark, Vladimir State University,
Program of Vladimir region on biogas energy development.

17:00 - 18:00 **Round table: Biofuel Market in Russia**

Questions for discussion: Biofuels for transport in Russia - the light at the end of the tunnel? What to expect at \$ 150 a barrel? Is it possible to successfully enter the market of 2nd generation biofuels without an existing market of ethanol from grain?

18:00 Cocktail Reception

Day 2, Wednesday, April 18, 2012

- 8:30 Welcome coffee
- 9:30 - 11:00 **SESSION: Biofuels and Bioenergy from Woody Biomass: Pyrolysis and Gasification. Bionafta and Biojet.**
Bionafta, biochar and syngas. Integration of production bionafta and refineries. Syngas fermentation. Catalytic conversion of syngas.
Vadim YAKOVLEV, PhD, Head of Laboratory of Catalytic Processes of Renewable Industrial technology of bionafta processing into transport biofuels.
Andrey GRACHEV, PhD, General Director of "Energolesprom" company, a member of Innovation Center SKOLKOVO
Processing of plant biomass into fuels and chemical products by thermal methods.
Konstantin KULIKOV, Saint-Petersburg State Forest Technical Academy
Production of liquid biofuels from wood wastes by thermochemical conversion.
Victor LITVINOV, Saint-Petersburg State Forest Technical Academy
Development of technology of bionafta and coal briquets production by ultra-pyrolysis of wood biomass wastes.
- 11:00 - 11:30 Coffee break
- 11:30 - 13:00 **SESSION: Second and Third Generations of Biofuels**
Technology and economics of production of 2nd and 3rd generations of biofuels. Russian and European Markets. How far is the construction of plants? Aviation biofuel, tax on CO₂ emissions for airlines
Roman PUKHOV, Novozymes A/S, Denmark
Biofuel from non-food biomass: current state of world class technology.
Damien GEOFFROY, Senior Project Manager, Maguin, France
Optimization of energy use in the production of biofuels.
Mikhail PLETNEV, Professor, Head of Department of Colloid Chemistry, Lomonosov Moscow University of Fine Chemical Technology
New generation of biofuel technologies: problem of selection and decision
Mikhail ERSHOV, Research Institute of Oil Refining (VNII NP), Russia
Requirements to quality of fuel biobutanol.
Christof WETTER, Prof. Dr.-Ing., Muenster -University of Applied Sciences,
Greenhouse Gas Emission-free Production of Bioethanol.
- 13:00 - 14:30 Lunch

- 14:30 - 16:00 **SESSION: Production of Electrical and Thermal Energy Based on Biomass. Pellets, Briquets and Heating oil. Economics of Production and Use. Biomass as a Feedstock for Biorefineries: Logistics and Economics of Collection and Delivery**
Economics of production of electrical and thermal energy from biomass. Raw materials: collection and delivery. Where to put the plant? Does it make sense to look for existing site? How much should cellulosic raw materials cost? Initiatives in the regions on the mapping of biological resources. Financing of projects. Production of electricity and heat from biomass and syngas.
- Victor SHMYGLOV, Head of Department of Business Development in Russia, OAO "Fortum" company, a subsidiary of international energy corporation Fortum**
International experience of Fortum in construction and operation of power plants using biofuels: ethanol, wood chips.
- Dr. Achim MARX, Director Biotechnology Policy, Lobbying & Branding Corporate Innovation Strategy and Bioeconomy at Evonik Industries AG, Management Consultant, Industrial Biotechnology Cluster CLIB2021, Germany**
Unusual value chains for biofuel production.
- Denis TUNTSEV, "Energolesprom" company, a member of Innovation Center SKOLKOVO**
Economics of biomass application as a heating oil.
- Victor ZAYCHENKO, Ph.D., Deputy Head of Laboratory "Energy Conservation", a Joint Institute for High Temperatures of the Russian Academy of Sciences**
New technology of biomass thermal processing for energy use.
- 16:00 - 16:30 Coffee break
- 16:30 - 18:00 **SESSION: Biodiesel**
- Tarana MAMEDOVA, Leading Researcher, Institute of Oil and Chemical Processes, Azerbaijan Academy of Sciences**
Additives to diesel fuels based on plant feedstock.
- Ulf JOHANSSON, Sales Manager Biodiesel Competence Centre Norrköping Sweden, Alfa-Laval**
Biodiesel Outlook; Co-located Production.
- Yana SERGEEVA, Chief Scientist, Vinogradsky Institute of Microbiology, Russian Academy of Sciences**
Production of biofuel based on lipids of mycelium fungi.
- 18:00 End of the Congress