

## **International Forum& Expo**

For Grain processing, Industrial Biotechnology and Biobased Economy

## **Graintek-2017**

### **PROGRAM**

#### **Day One, November 15, 2017**

8:30 Start of registration and welcome coffee

#### **9:30 - 11:00 Introductory remarks. Legislation and development of the market for products of deep grain processing: did the government start to pay attention to the industry?**

Vladimir Putin said that "today, agriculture, the agro-industrial complex as a whole, is one of the most dynamic sectors of our economy. It is necessary to move further, develop deep grain processing, strengthen positions in the domestic and world markets ... ". The Minister of Agriculture of the Russian Federation Alexander Tkachev noted the need to develop deep grain processing with increasing production of gluten, feed and biofuels, stressing that "Russian agrarians can direct almost 5 million tons of grain to deep grain processing".

Moderator: Alex ABLAEV, PhD, President, Russian Biofuels Association

#### **Welcome address of Mr. Sergey TSYB, Deputy Minister of Industry and Trade of Russian Federation**

##### **Alex ABLAEV, PhD, President, Russian Biofuels Association**

The November theses on industrial biotechnology.

##### **Evgeny AKHPASHEV, Director, Department of Food and Processing Industry, Ministry of Agriculture of Russian Federation**

The development of the industry of deep processing of grain in Russia.

##### **Sara GIRARDELLO, Head of Starch and High Intensity Sweetener Research, LMC International**

Adding value to grains: downstream processing to maximize returns.

##### **Dmitry PIGAREV, Center for Economic Forecasting, Gazprombank**

What non-core technologies do global oil and gas companies invest?

##### **Mikhail ERSHOV, Ph.D., Head of the Department of Automobile and Aviation Petrol and Additives, VNII Institute of Oil Refining (VNII NP)**

Legislation on bioethanol - light at the end of the tunnel?

**Elena IHSANOVA, Managing Director, Agency for Technological Development**  
Formation of investment and technology partnerships for the Russian  
biotechnology development.

11:00 - 11:30 Coffee-break

**11:30 - 13:00 Bioeconomy: from agricultural feedstock to big chemistry.  
Agriculture and oil industry - opponents or partners?**

Plenary lecture: **Alexander GEHMAN, Corresponding Member of the  
Russian Academy of Sciences, Doctor of Chemical Sciences, Head of the Metal  
Catalytic Catalysis Laboratory, General and Inorganic Chemistry Institute,  
Russian Academy of Sciences. N.S. Kurnakov (ION RAS)**

Biotechnology in low start: a new race begins in which industrial biotechnology will  
compete with large petrochemicals.

**Alexander YANENKO, Doctor of Biological Sciences, Director, Research Center  
"Kurchatov Institute" - GosNIIGenetika"**

Russian technologies of bioeconomy - strains, processes and technologies for the  
production of products from sugars.

**Dmitry PONYATOVSKY, CEO, Agrident**

Export of products to deep grain processing: features, prospects and new markets.

**Paolo RONCHI, CEng, MBA, Grain & Beverages Marketing Manager,  
Novozymes**

Novozymes – Innovation & services.

**Alexander TOKAREV, CEO, "Agroindustrial Park" Siberia"**

An example of infrastructural possibilities of development of bioeconomics at  
power facilities: Agroprompark "Siberia".

13:00-14:30 Lunch

**14:30 - 16:00 Design and engineering of plants for deep processing of grain  
and industrial biotechnology - how to avoid mistakes.**

**Dmitry ARSENIEV, CEO, NPK "Ecologia", Vladimir GROMOVIK, General  
Director, ZAO "Biotechnological complex - Rosva"**

How much does real grain processing plant cost? Practical experience in  
engineering of complex projects. High-tech biotech plant in the Kaluga region.

**Torsten SCHULZE, Managing Director, Engineering Company Vogelbusch,  
Austria**

Difficulties in managing by-products in grain processing projects. Technical  
subtleties of some products: dextrans, glucose and glucose-fructose syrups.

**Dmitry SHAPOVALOV, Technical Director, Donbiotech**

Development of deep grain processing in the Rostov region.

**Marina SIDAK, PhD, Analyst of commodity markets, Sucden group of companies**

Sugar industry and biofuel: when will be the start? World experience: the sugar industry is inefficient if it produces only sugar.

**Alex CLASS, Sales Engineer, BEHN + BATES**

How to properly pack the products of grain processing to get the maximum revenue.

16:00 - 16:30 Coffee-break

**16:00 - 17:30 What to produce for biofactory? New and well-forgotten old products from glucose - from the idea to market.**

Plenary lecture: **Valentin ANANIKOV, Corresponding Member of the Russian Academy of Sciences, Doctor of Chemical Sciences, Head of the Laboratory, Zelinsky Institute of Organic Chemistry**

Renewable carbohydrates as feedstock for organic synthesis.

**Roman KOZLOVSKY, Professor, Doctor of Chemical Sciences, Head of the Department of Chemical Technology of Basic Organic and Petrochemical Synthesis, Mendeleev University of Chemical Technology**

The production and market of ethyl acetate and other chemical products from alcohol.

**Alexey BALANOVSKY, Director, Premix Plant No. 1**

The factory is launched - what's next?

**Vladimir DEBABOV, Corresponding Member of the Russian Academy of Sciences, Professor, Scientific Leader, Research Center "Kurchatov Institute" - GosNIIGenetika"**

The production of glutamic acid and its salts: glutamate sodium, potassium glutamate, calcium diglutamate, ammonium glutamate, magnesium glutamate.

18:00 – 19:00 Cocktail

## Day Two, November 16, 2017

8:30 Welcome coffee

### **9:30 - 11:00 Starches and gluten: the market, the production and use of gluten and modified starches.**

**Thomas STRANDT, CEO, MMW Technologie GmbH (Germany)**

Advanced MMW technologies for "dry" grinding of wheat in the complexes of deep grain processing.

**Oleg RADIN, PhD, President, Association "Roskrakhmalpatoka"**

Technology and market for modified starches. Economy scale: what is the optimal size of the plant? Is there a future for small starch plants?

**Maxim SIDYAKIN, Commercial Representative, Agro-Industrial Technologies Group, Alfa Laval**

Unique evaporation systems. A wide range of applications.

**Nicholas TROUNCE, Head of Product Management, Flour-and-cereals department, Bühler AG (Germany)**

Internet of things - Sensors and online measuring systems for increasing production efficiency in the milling industry

**Andrey GRACHEV, Doctor of Technical Sciences, CEO, ELP Group**

Utilization of waste from grain processing with the production of biofuel by thermochemical conversion.

11:00 Coffee-break

### **11:30 - 13:00 Glucose and glucose-fructose syrups: market outlook, production and use. Organic products based on sugar - the basic raw material for the chemical industry.**

**Bernd IMENKAMP, Director of Sales, VetterTec GmbH (Germany)**

Energy-saving plants. Features of drying grain processing products.

**Masahiko HASHIGUCHI, PhD, Senior Research Fellow, Mitsubishi Chemical Corporation**

Ion-exchange resins for the purification of glucose and fructose.

**Irina KULIKOVA, Technical support and sales manager, Novasep Process SAS (France)**

Design of cleaning processes in the technology of deep processing of grain.

**Alex ABLAEV, Ph.D., President, Russian Biofuel Association**

Production, consumption and export of products of deep grain processing. World market.

13:00 - 14:30 Lunch

**14: 30-17:00 Round Table: New chemistry - innovation on the basis of renewable chemical feedstock. New raw materials. Preparation of a feasibility study and a business plan for processing projects. Construction of the plant on the basis of the existing mill.**

*Moderator: Alex ABLAEV, PhD, Center for New Technologies*

**Zhiyuan MA, CEO, SINA-TRADE**

Evolution of starch and amino acid industries in China: history, present situation, technologies.

**Vladimir GOLDSHTEYN, PhD, Head of Department of storage and processing of starch-containing raw materials, VNI Starch products - branch of " Research Center of food systems named after V.M. Gorbatov "of the Russian Academy of Sciences.**

New technologies for deep processing of unconventional grains

**Vladimir DEBABOV, Professor, Corresponding Member of the Russian Academy of Sciences, scientific director, Institute "GosNIIGenetika"**

New chemicals from renewable raw materials.

**Alex ABLAEV, PhD, Center for New Technologies**

Economy grain processing plant and production of chemicals: the amino acids, organic acids and so on. Detailed modeling of the enterprise. Parameters affecting profitability.

**17:00 Coffee**

**18:00 End of the Forum**

**November 17, 2017**

**9:00 - 18:00 Technical workshop "GrainExpert"**(separate registration required)

Wet-milling and industrial fermentation: Plant start-up & Operations

Venue: Conference-hall "GosNIIgenetika", 1st Dorozhnyproezd, 1, metro station  
"Yuzhnaya"

Workshop is intended for technical specialists, who are responsible for the production process and the high quality of the final product at the wet milling and fermentation plants. Participation in the seminar "GrainExpert" is recommended for:

- Technical Director
- Chief Engineer
- Chief Technologist
- Fermentation engineer
- Downstream engineer
- QC engineer