

International Forum& Expo

For Grain processing, Industrial Biotechnology and Biobased Economy

Graintek-2018

PROGRAM

Day One, November 14, 2018

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?

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

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The November theses on industrial biotechnology.

Speaker TBD, Ministry of Agriculture of Russian Federation

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

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

Development of the market of fuel bioethanol in Russia.

Rolf HOGAN, Executive Director, Roundtable on Sustainable Biomaterials (RSB)

Topic TBD

Dmitry SHAPOVALOV, expert, NEO Center

Prospects for wet-milling and industrial biotechnology in Russia - a comparative analysis of the production of chemical products from fossil feedstock and from renewable feedstock.

Dmitry PONYATOVSKY, CEO, Agrident

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

11:00 - 11:30 Coffee-break

11:30 - 13:00 Bioeconomy: from agricultural feedstock to big chemistry.

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.

Vladimir SHAFOROSTOV, partner, NEO Center

Prospects for exports (types and directions) of wet-milling and industrial biotechnology products.

Andrey GRACHEV, Head of Corporate R&D, SIBUR

Petrochemical industry and SIBUR business: perspectives on coming years. Petrochemistry for non-specialists: principles, volumes, logistics. What petrochemicals expect from raw material suppliers.

Marina SIDAK, PhD, Head of Analytical Department, Sucden group of companies

Structural diversification of the sugar industry in solving the problem of overproduction: sugar or ethanol? Brazil experience and assessment of potential in Russia. The tax on sugary drinks in Europe - will it be in Russia? Where to put sugar?

Svetlana KUZNETSOVA, Investment Director, RusAgro

Rusagro - criteria of investment in grain and sugar beet processing projects.

13:00-14:30 Lunch

14:30 - 16:00 Design and engineering of wet-milling and industrial biotechnology plants - how to avoid mistakes.

Dmitry ARSENIYEV, CEO, NPK "Ecologia"; Vladimir GROMOVIK, General Director, "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

Role and potential of biotechnological processes in the development of deep grain processing plants in Russia.

Sergey MELNICHUK, Head of SED Products, Samson Controls LLC

Features of the selection and use of valves in the biotechnology industry. Innovative technology SAMSON.

Alex CLASS, Sales Engineer, BEHN + BATES

How to properly pack the products of grain processing to get the maximum revenue. Step into the future - A new hygienic concept for packaging equipment for the food industry from "BEHN + BATES".

Konstantin KUZNETSOV, Head of the Department of Food and Biotechnology, Alfa Laval

Do not repeat mistakes: the "right" waste water treatment facilities for the wet-milling plant.

16:00 - 16:30 Coffee-break

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

Irina ZORINA, President, National Investment Association

How to arrange financing for a growing business?

Alexey BALANOVSKY, Director, Premix Plant No. 1

Development of a biocomplex based on the site "Plant of premixes No. 1".
Experience of real operation of a plant for deep processing of grain.

Tigran YUZBASHEV, Kurchatov Institute Research Center - GosNIIgenetika

Non-gypsum production of citric acid.

Dmitry ERMAKOV, Head of Sales Department of Chemistry for the Oil and Gas Industry, YAarko Group

New plant for the production of citric acid in the Lipetsk region.

Vladimir DEBABOV, Corresponding Member of the Russian Academy of Sciences, Professor, Scientific Director, Research Center "Kurchatov Institute" - GosNIIgenetika"

Efficient production of glutamic acid and its derivatives: monosodium glutamate, potassium glutamate, calcium di-glutamate, ammonium glutamate, magnesium glutamate.

18:00 – 19:00 Cocktail

Day Two, November 15, 2018

8:30 Welcome coffee

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

Oleg RADIN, PhD, President, Association of starch producers

"Roskrakmalpatoka"

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

Thomas STRANDT, CEO, MMW Technologie GmbH

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

**Angella ASRARKULOVA, Research Center "Kurchatov Institute" -
GosNIlgenetika"**

Wheat gluten and its hydrolysates. Possible areas of practical applications.

Christian LANDBO, manager, Starch Business, Alfa Laval

Starch industry. Industry trends.

Vladimir KOLESNIKOV, General Director, Ecosystem-N

Variants of waste disposal at the starch factory. The introduction of technological processes of disposal of liquid waste with the production of feed proteins in the food industry.

11:00 Coffee-break

11:30 - 13:00 Glucose and glucose-fructose syrups: market outlook, production and use. Chemical building blocks products from sugars.

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

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

Ivan VAKAR, industrial and food enzymes, Dupont

Topic tbd.

Robert VERSLUIJS, Starch and Protein Division Manager, GEA Group (Germany)

Wet-milling of wheat: the creation of successful projects.

Nadja HERMSDORF, PhD, Technical Marketing Manager Food Applications, BU Liquid Purification Technologies, LANXESS

Lewatit® ion exchange resins for starch industry.

Natalia MELNIKOVA, Commercial Director, SPX Cooling Technologies

Modern water cooling systems. Modernization and new construction of cooling systems. The basic principles and algorithms of counterflow and crossflow cooling towers.

13:00 - 14:00 Lunch

14:00-15:30 Производство биоэтанола на заводе по глубокой переработке зерна. Мировые стандарты эффективности. Минимально эффективный размер завода. Выбор сухого или мокрого процесса. New chemistry - innovation on the basis of renewable chemical feedstock.

Dmitry ARSENIYEV, General Director, NPK Ecology

"Typical" bioethanol plant. Comparison of bioethanol production technologies: the evolution of technologies, "best-in-class technologies", progress in further development.

Valdis RUPMEJS, EU Business Development Manager, CelloFuel

Mobile plants for the production of bioethanol from sugar beet, Jerusalem artichoke and wood chips.

Victor PANFILOV, Doctor of Technical Sciences, Professor, Professor, Head of the Department, Vice-Rector for Research and Innovation, Russian University of Chemical Technology named after D.I. Mendeleev

Topic tbd

Vladimir CHERNYSHEV, Doctor of Chemistry, Professor, Department of Technology of Inorganic and Organic Substances, South-Russian State Polytechnic University (NPI) named after M.I. Platov

Attempt to disrupt the 30 million tons market: production of 2,5-furandicarboxylic acid from sugars to replace terephthalic acid in the production of polyesters.

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. Economy scale: what is the optimal plant size? The 45,000 tons of wheat wet-mill plant?

18:00 End of the Forum

November 16, 2018

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