

International Forum& Expo

For Grain processing, Industrial Biotechnology and Biobased Economy

«Graintek»

PROGRAM

Day One, February 17, 2021

8:30 Start of registration and welcome coffee

9:30 - 11:00 Introductory remarks. Legislation and development of the market for wet milling products. How will new legislation on bioethanol affects the market?

Alex ABLAEV, PhD, President, Russian Biofuels Association

Bioeconomy: \$ 8 Trillion Perspective.

Alexander CHULOK, Director of the Center for Scientific and Technological Forecasting, Institute for Statistical Studies and Economics of Knowledge, National Research University Higher School of Economics

Deep processing 2.0: Russia's prospects in a post-like world.

Nina ADAMOVA, Senior Analyst, Center for Economic Forecasting, Gazprombank

Biodegradable plastics market prospects in the context of global economic trends.

Mikhail ERSHOV, PhD, General Director, FUELS Digest; Associate Professor, Gubkin's Russian State University of Oil and Gas

Russian refining and opportunities for biofuels. The balance of production / consumption of motor fuels in Russia. Import duty on carbon in the EU and prospects for biodiesel and bioethanol in Russia. Bioethanol in Russia - opportunities and limitations.

11:00 - 11:30 Coffee-break

11:30 - 13:00 **Bioeconomy: innovations that revive rural Russia. From agricultural feedstock to big chemistry. Feed additives and more. New chemistry - innovation on the basis of renewable chemical feedstock.**

Marina SIDAK, PhD, Executive Director of the Industry Expertise Department of the Large Business Department, Russian Agricultural Bank; professor at the Department of Statistics, Plekhanov Russian University of Economics

Development of deep processing of grain in Russia: from simple starch to products with high added value.

Dmitry PONYATOVSKY, CEO, DPI Group

Factors affecting the decrease in the competitiveness of Russian producers of products of deep processing of grain in the world market.

Oleg RADIN, PhD, President, Soyuzkrakhmal Association

Starch and its derivatives market: results of 2020.

Vladimir SHAFOROSTOV, Partner, NEO Center

Industry views: Prospects for the wet wet milling products in Russia..

Natalia MELNIKOVA, Commercial director, S & A Engineering Solutions

Modern water-cooling systems.

13:00-14:00 Lunch

14:00 - 15:30 **Bioprocesses and Bio-factories: Present and Future.**

Svetlana SMAYLS, Development Manager, Clariant; Eduard KHAKIMOV, Director of Business Development in Russia and the CIS, Bilfinger Tebodin

Best Practices: Commercialization of Cellulosic Ethanol Production, Sunliquid Plant in Romania.

Dmitry ARSENIYEV, CEO, NPK Ecologia

"Typical" wet-milling and fermentation plant. Layout, equipment, feasibility study.

Sergey MIKHNYUK, Executive Director, National Feed Union

Market for feed products obtained by industrial fermentation (amino acids, enzymes, vitamins). How to compete with China in the market for fermentation products and feed additives?

Aleksey ABLAEV, PhD, President, Russian Biofuel Association

Biological plant product line. Review of large-scale biotechnological products.

15:30 - 16:00 Coffee-break

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

**Oksana BEREZINA, PhD, Researcher, National Research Center "Kurchatov
Institute" - GosNIIGenetics "**

Recombinant microorganisms as the basis for bioprocesses. Research Institute
GosNIIGenetika as a developer of industrial strains.

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.

**Dmitry SHAPOVALOV, Head of Compound Feed and Advanced Grain
Processing, SKESS Corporation**

Prospects for a mini-project for deep processing of grain in synergy with the
production of animal feed.

Alex ABLAEV, PhD, President, Russian Biofuels Association

Overview of new projects of wet milling plants.

17:30 – 19:00 Cocktail

Day Two, February 18, 2021

8:30 Welcome coffee

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

Artem AKIMOV, Manager, Grain Processing Technology Department, PETKUS Engineering GmbH

Advanced Dry Milling Technology for further Deep Processing of Grain and Pulses.

Lidia KUZINA, Researcher, Russian Research Institute of Starch Products

Resistant starches. Production technology and application.

Maxim MINKIN, Representative Office Director; Bernd IMENKAMP, Sales Director, VetterTec GmbH

Industrial Spray Dryers for Biotech Applications. Experience in Russia.

Andrey MANDREA, Head of Renewable Resources Department, GEA

An integrated approach to the processing of renewable feedstock using peas as an example.

11:00 Coffee-break

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

Vladimir AKSENOV, Senior Researcher, Institute of Solid-State Chemistry and Mechanochemistry SB RAS

New technology for deep processing of grain.

George SVONJA, Technical Director Dedert International (UK)

Drying overview: applications for plant-based proteins starches and coproducts.

Arkady SINITSYN, Doctor of Chemical Sciences, Professor, Head of the Laboratory of Enzyme Biotechnology, Federal Research Center "Fundamentals of Biotechnology"; Head of the Laboratory of the Department of Chemistry, Lomonosov Moscow State University

Industrial production of enzymes.

Lyudmila KHVOROVA, Doctor of Technical Sciences, Head of laboratory, Russian Research Institute of Starch Products

Crystalline glucose as an irreplaceable product and drug. Modern production technologies.

13:00 - 14:00 Lunch

14:00-17:00 Bioethanol production at a wet milling plant.

Boris KARETKIN, Researcher, Department of Biotechnology, Mendeleev University of Chemical Technology of Russia

Bioethanol as an additional product of a grain processing plant. Production and market of ethyl acetate and other chemical products from alcohol.

Evgeniy GRIN, Head of Food Systems Department, Alfa Laval

New trends in the use of hydrocyclone units for various raw materials.

Alex ABLAEV, PhD, President, Russian Biofuel Association

Export of bioethanol. The economy of the plant for the deep processing of grain and the production of chemical products: amino acids, organic acids, etc. Detailed modeling of the enterprise. Parameters affecting profitability. Economics of scale: what is the optimal plant size? The development of the bioethanol fuel market in Russia.

17:00 Coffee-break

18:00 End of the Forum