Forest Bioeconomy in Russia – experience and prospects

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Elaborated jointly for cooperation on boreal forests:

Forest-based bioeconomy encompasses:
economic activity through the use of sustainably managed renewable forest resources, into value-added products while securing ecosystem services such as improved air and water quality, biodiversity, recreation, and human health.

Biotechnology and other innovative technologies are significant drivers in the bioeconomy and can facilitate the development of biobased industries, provide non-fossil fuel based alternatives to energy, chemicals and materials, and help achieve the global goals of sustainable development.
Sustainable Forest Management and SDGs

**Forest Bioeconomy-Relevant SDGs**

- Life on Land (SDG 15)
- Climate Action (SDG 13)
- Affordable and Clean Energy (SDG 7)
- Clean Water and Sanitation (SDG 6)
- Industry, Innovation and Infrastructure (SDG 9)
- Responsible Consumption and Production (SDG 12)
- Decent Work and Economic Growth (SDG 8)

**SDG-reflection in Russia:**

- Federal Plan on indicators for achieving SDGs in Russia (approved by Government of the RF in 2017)
- National set of SDG indicators is under development
- National WG on SDG monitoring functions under the Administration of the President of Russia
Biotechnological platforms
- «Medicine of the future»
- «Bio-industry and Biro-resources»
- «Bioenergy»

BIO-2020 Strategic Goals:
- Development of Biotechnologies
- Creation of high-tech Bioeconomy sector
- Wide-scale implementation of modern biotechnological innovations in the key sectors of economy
- Building the technological and experimental basis for biotech industry
Molecular labelling (DNA) – a priority for forest biotechnologies – aimed at:

- Improving principles and approaches of forest seed zoning;
- Genetic classification and certification of seeds;
- Phytosanitary control over nurseries and forest stands;
- Control over the legality of wood origin.
BIO-2020
Production of Energy from Biomass

- Harvesting
- Forest Renovation
- Delivery to factory
- Wood processing
- Soft wood timber
- Bark, saw dust, chipped wood
- Pellets
- Heating energy (factories’ & municipal boiler facilities)

«Green» energy
Thank you!

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