UNECE project

The Development of Biomass Action Plans for the Regions of the Russian Federation

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Results of the project

• Introduction of biomass in the Russian Federation;
• First biomass pellet plants in Leningrad oblast;
• Foundation of “Confederation of Associations, Enterprises and Organisations of the Forestry Complex of the Northwest”;
• Port operations;
• Improved customs procedures;
• International conferences and site visits;
• First regional biomass action plans in the Russian Federation.
UNECE Working Areas

- Economic Cooperation and Integration
- Statistics
- Trade
- Environment, Housing and Land Management
- Energy
- Timber
- Transport
United Nations and Renewable Energy

- **Kyoto Protocol**
  - 5% Reduction by 2012
- **The Bali Roadmap**
  - Kyoto protocol after 2012
  - Prominent role of Forests
- **United Nations Climate Change Conference COP-18 Qatar** (26 November - 7 December 2012)
Biomass Demand in Europe
EU Policy on Renewable Energy Sources

- EU Biomass Action Plan, December 2005

- January 2007 “energy & climate package” proposed 2020 goals:
  - 20% greenhouse gases (GHG)
  - +20% energy efficiency
  - 20% renewable energy (10% bio-fuels)

Goals confirmed in EC’s 23/01/2008 proposal for Climate and Energy Package – “20-20-20 goal”

- EU Member States which have developed Biomass strategies to reach the EU bioenergy goals of 2020:
  Germany, France, United Kingdom, Northern Ireland, Scotland, Finland, Spain, Austria, Netherlands, Belgium, Greece, Ireland, Estonia, Latvia, Lithuania, Slovenia, Romania
UNECE biomass project in the Russian Federation
Russian Policy on Renewable Energy Sources

• Decree № 1, 2009 “On the use of Renewable Energy Sources for electricity production”
  Increased use of Renewable Energy Sources:
  – 1.5 % in 2010
  – 2.5 % in 2015 } hydro-energy is not included
  – 4.5 % in 2020

• The regional governments are recommended to incorporate biomass use in their development plans

• District heating utilities are to be modernized
  (25% of Russia’s energy production)
Structure of the energy balance of North West Russia

- Energy consumption in North West Russia – 943 TWh
- Fossil fuels are used most of all (>97%)
Goal of the project in Russia

**Goal:** Assisting the subjects of the Russian Federation to develop and implement Regional Biomass Action Plans

On basis of international experience and the results achieved in Russia the project aims at:

- Development of regional economies and the capacity to produce, market, and use biomass resources in a sustainable way;
- Implementation of federal policies and legislation;
- Cooperation between federal subjects;
- Standardization of the development process of Regional Biomass Action Plans at the federal level
The UNECE blueprint for the regions of the Russian Federation

- First blueprint for the Russian Federation
- First regional biomass action plans in the Russian Federation
- Focus on region specific needs
The project scope

Biomass resources
• Woody Biomass
• Agricultural crop residues
• Municipal waste

Products
• Bioenergy
• Biomass products (with high added value)
Main results

1. RBAP idea developed for Russia
2. RBAP accepted in regions
3. RBAP blueprints
4. Established stakeholder groups
5. Cooperation on Public-Private Partnership (February 2012)
6. Pilot projects
Algae
Value chain

- Pharmaceuticals
- Food
- Feed
- Fertilizer
- Bioplastics
- Biofuel
Development of Regional Biomass Action Plans

Organization
- Coordinated approach: governments, private sector, science, local communities, NGOs
- Stakeholders participation and task groups

Research and Assessment
- Biomass availability
- Development opportunities: cooperation private sector, transport operators, international bulk traders, end users

Concrete Results
- Inter-sectoral cooperation, branch organizations
- Training and education: domestic use and export of biomass
- Capacity building, legislation development, sustainability policy
- International quality standards, certification
For Further Information

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