



## **UNECE project**

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

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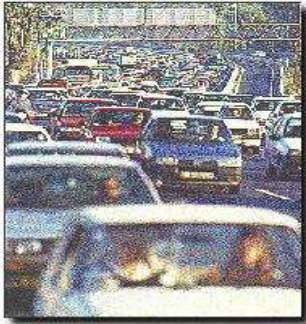
Geneva

25 April 2012



# Results of the project

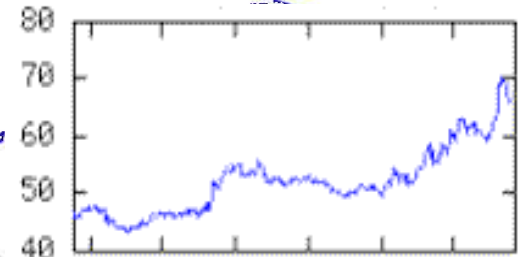
- Introduction of biomass in the Russian Federation;
- First biomass pellet plants in Leningrad oblast;
- Foundation of “Confederation of Associations, Enterprises and Organisations of the Forestry Complex of the Northwest”;
- Port operations;
- Improved customs procedures;
- International conferences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



**Transport**



**Economic Cooperation  
and Integration**



Jan Mar May Jul Sep Nov

**Statistics**



**Timber**

**UNECE  
Working Areas**



**Energy**



**Environment, Housing  
and Land Management**



**Trade**



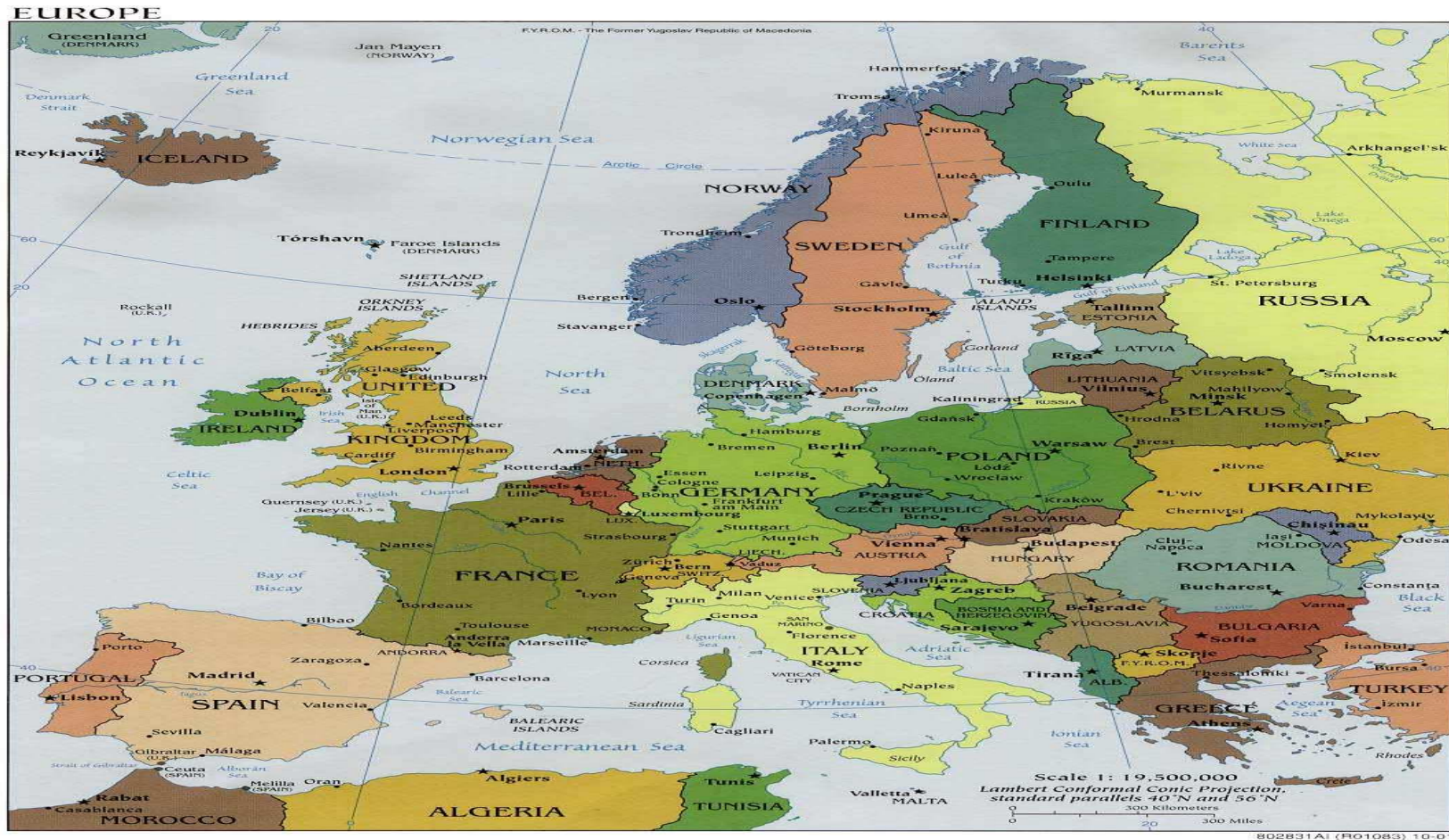


# United Nations and Renewable Energy

- **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

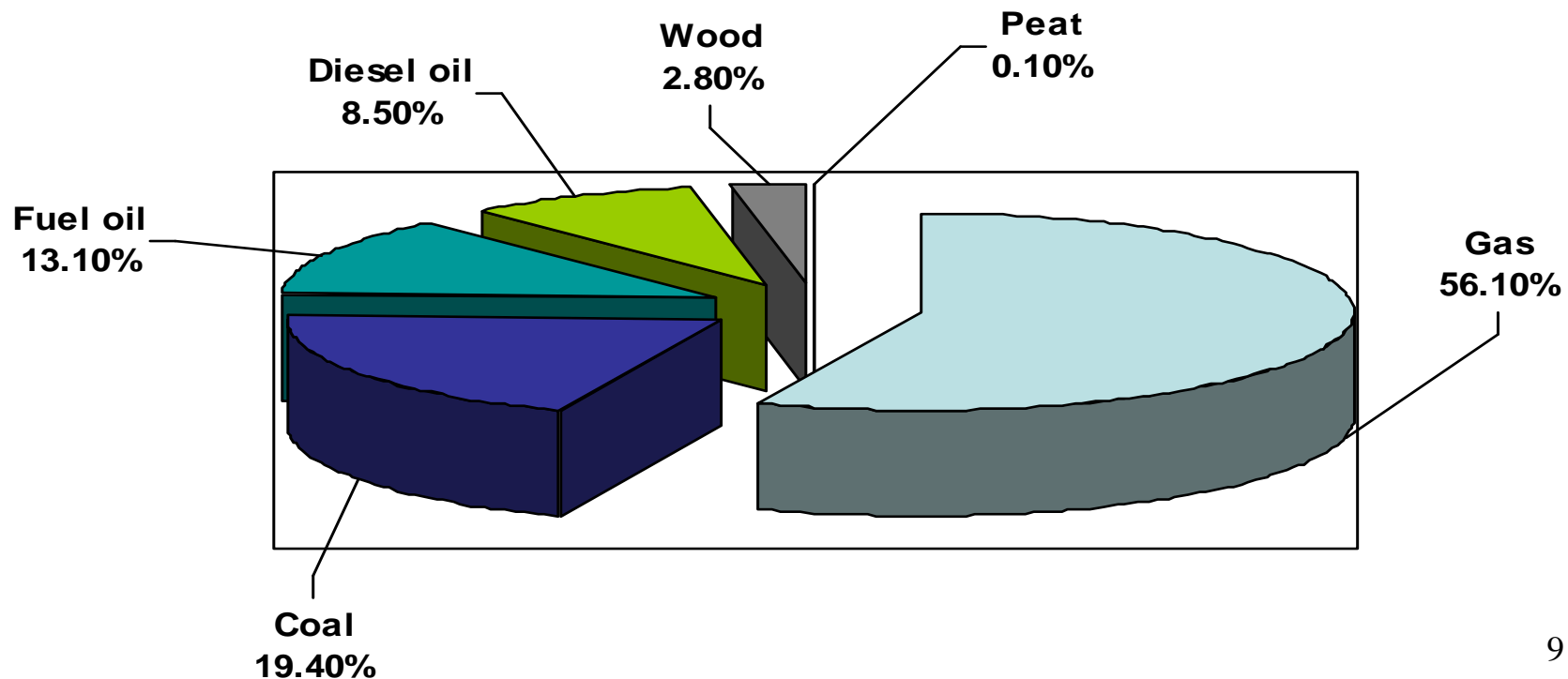
- Decree № 1, 2009 “On the use of Renewable Energy Sources for electricity production”  
Increased use of Renewable Energy Sources:
  - 1.5 % in 2010
  - 2.5 % in 2015 } hydro-energy is not included
  - 4.5 % in 2020
- The regional governments are recommended to incorporate biomass use in their development 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

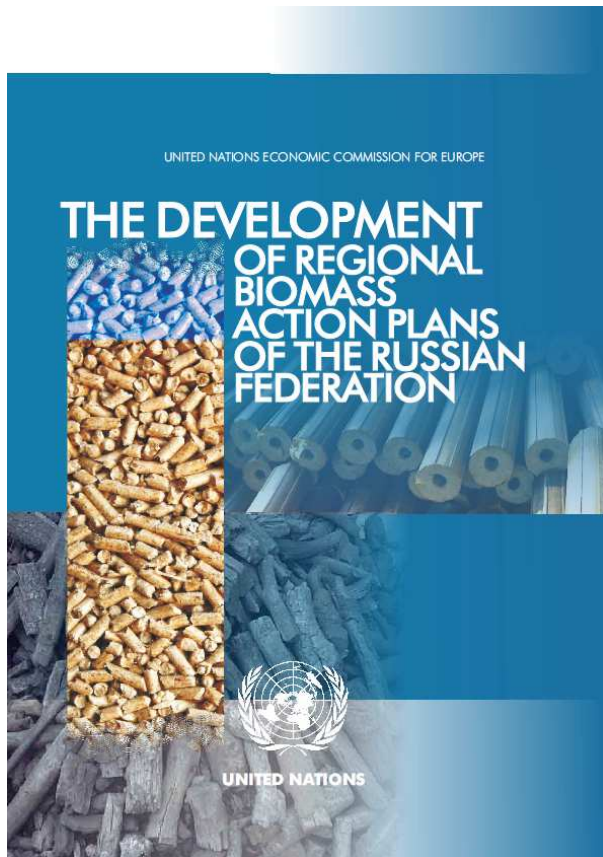
**Goal:** Assisting the subjects of the Russian Federation to develop and implement Regional Biomass Action Plans

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

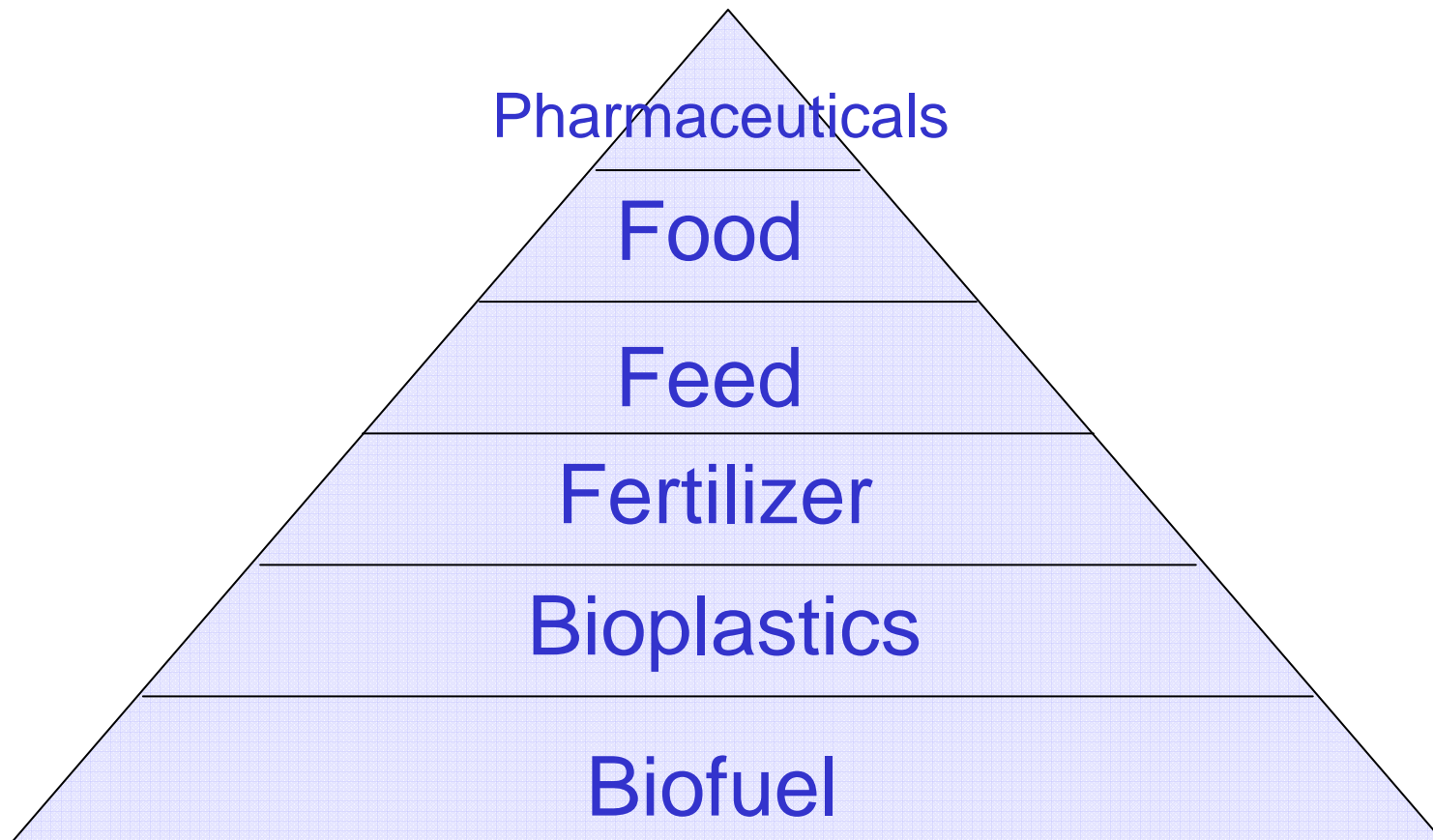


# Algae





# Value chain





# 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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