Fuel storage, handling and preparation and system analysis for biomass combustion technologies

15th European Biomass Conference

Berlin, 7 May 2007

Biomass Combustion and Cofiring

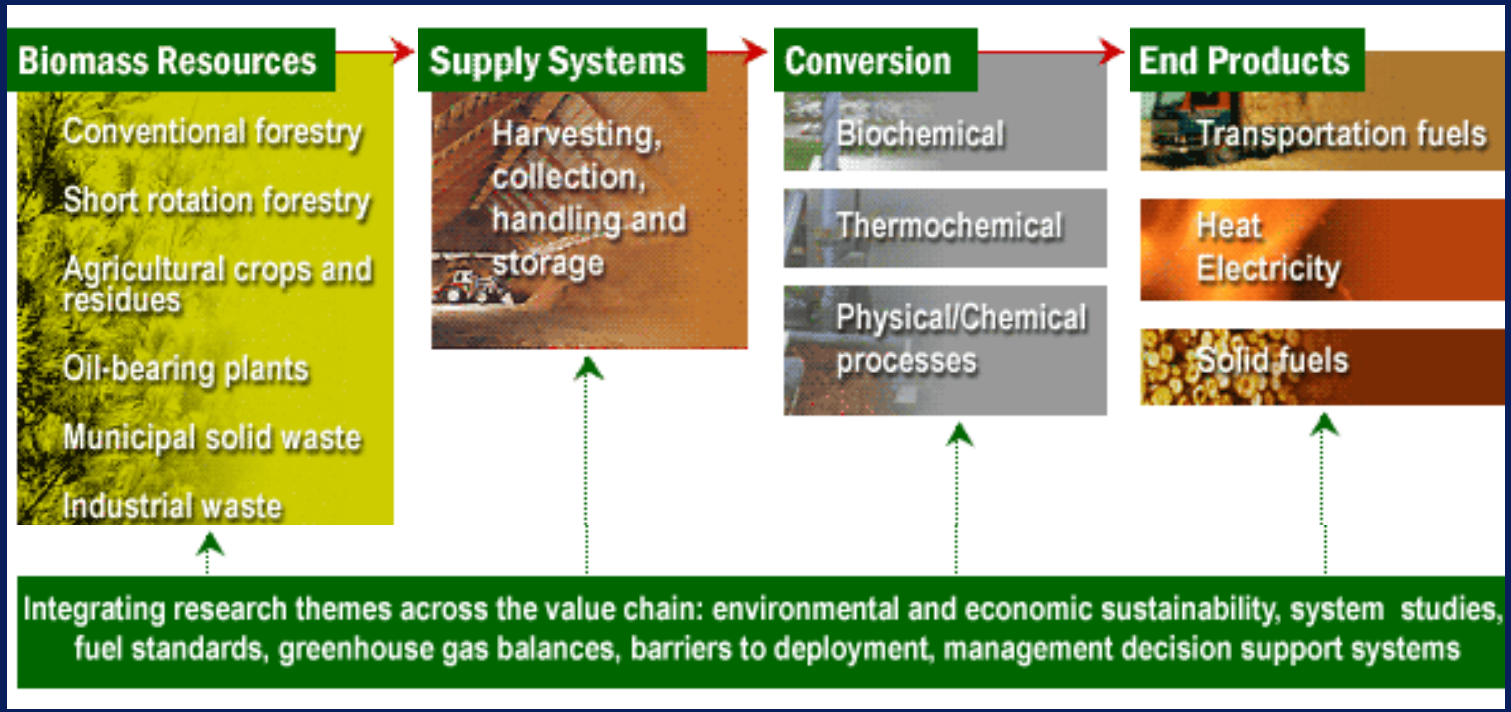
Introduction to IEA Bioenergy (1)

- The IEA was founded to implement an international energy programme in response to the oil shocks.
- Activities are directed towards collective energy policy objectives of energy security, economic and social development, and environmental protection.
- Activities are set up under Implementing Agreements. There are 40 active Implementing Agreements.

IEA Bioenergy

Introduction to IEA Bioenergy (2)

- **IEA Bioenergy provides an umbrella organization where experts from research, government and industry work together**



www.ieabioenergy.com

IEA Bioenergy Task 32: Biomass Combustion and Co-firing (1)

Objectives:

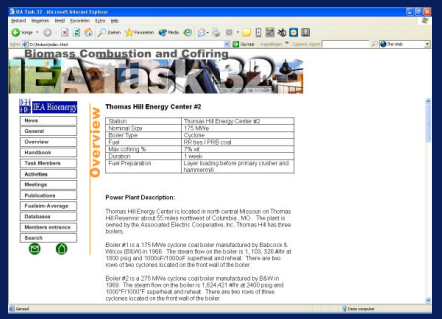
- **To stimulate further expansion of the production of energy from biomass combustion**
- **Generating and disseminating information on technical and non-technical barriers and anticipated solutions for:**
  - **dedicated biomass combustion systems, and;**
  - **biomass co-firing in existing coal fired power plants.**

IEA Bioenergy Task 32: Biomass Combustion and Co-firing (2)

- **Experts from 12 countries:**

  Austria, Belgium, Canada, Denmark, European Commission, Finland, Germany, Netherlands, Norway, Sweden, Switzerland, United Kingdom

- **Working together in:**
  - Cooperative projects
  - Meetings, Workshops, Conferences, Excursions
  - Cooperation with other Networks



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Aim of this workshop

- **What types of logistical chains are available for different types of biomass combustion systems?**
- **How is most optimal combustion design influenced by the costs and environmental aspects of the logistical chains for fuels?**

Agenda

15:00	Introduction and welcome
15:10	System analysis of overall efficiencies of different routes for bioenergy (Thomas Nussbaumer, Verenum, Switzerland)
15:40	Torrefaction for biomass upgrading into commodity fuels (Jaap Kiel, ECN, Netherlands)
16:10	Modelling logistical aspects of biomass supply (Bert Annevelink, Wageningen University (WUR), Netherlands)
16:40	Waste wood processing as a basis for an improved fuel quality for biomass combustion plants (Thomas Brunner, BIOS Bioenergiesysteme GmbH, Austria)
17:20	Discussion
17:30	Closing

We wish you a pleasant and informative workshop!!