

INVITATION

Mobilization of woody biomass for energy and industrial use - Smart logistics for forest residues, prunings and dedicated plantations

Tuesday 19 May 2015, FAO Headquarters,
Viale delle Terme di Caracalla, Rome, Italy – Red Room, Building A, first floor

BIOMASS FEEDSTOCKS

Biomass could account for two-thirds of the targeted European Union renewable energy production in 2020 (20% share in the energy mix). For this to become reality biomass use will roughly have to double between 2010 and 2020. Forests can be used more intensively to produce the required biomass, whereas the agricultural sector is another key source to expand biomass supply sustainably. Purposely grown energy crops can also contribute substantially. Improved logistics to harvest, store and transport biomass feedstocks will help create a market for biomass feedstocks such as forestry residues, agricultural wood prunings, and energy crops.

EUROPEAN RESEARCH

Since mid-2012, more than 60 organisations and companies, including many small and medium sized enterprises, collaborate in three EU-supported research projects INFRES, LogistEC and EuroPruning (combined budget €15 million; EU contribution €10 million) to develop such smart logistics. They field-demonstrate practical solutions implemented in rural communities to harvest, store and transport lignocellulosic biomass for the production of bioenergy and biomaterials. Besides developing technologies and adapting machines, the projects also assess the environmental, economic and social sustainability of the proposed supply chains, as well as the barriers to innovation.

A UNIQUE ONE-STOP COMMUNICATION EVENT ORGANISED BY THREE R&D PROJECTS AND SUPPORTED BY LEADING INTERNATIONAL BIOMASS MOBILIZATION STAKEHOLDERS

SHOWCASING KEY RESULTS

Three years after their start the European projects will have reached significant, or even final, results. It is timely to communicate these results and discuss their wider implications for improved biomass mobilisation. At a targeted 1-day conference each project will present its key findings, explaining their meaning and novelty. Emphasis on practical solutions will be key. A dedicated conference session will address perspectives on woody biomass supply for energy and industrial use, including sustainability aspects, in North America and developing countries.

ORGANISING PROJECTS

INFRES, LogistEC and EuroPruning aim to accelerate technological development opening new paths to Europe's renewable energy targets by producing research based knowledge, technological solutions and service innovations for increased biomass feedstock supply from forestry residues, agricultural residues, and dedicated energy crop plantations.

They target high efficiency and precise deliveries of woody feedstock to heat and power plant and bio-refining industries by:

- Producing technological and logistic innovations for harvesting, transport and storage technology for fuel procurement.
- Demonstrating new solutions in full supply chains from harvesting to transport and storage in real operational environment.
- Identifying technological, economic, regulatory and other bottlenecks to innovations in the respective bioenergy sectors and sketching pathways for improvements
- Assessing the environmental, economic and social sustainability for the developed logistics including scenarios for different fuels, technologies, transport distances etc.
- Disseminating the outcomes of research and demonstrations to practitioners.

Implementation of the projects started in mid-2012. With project durations of between 36 and 48 months, INFRES is scheduled to finish in August 2015, whereas LogistEC and EuroPruning will continue into 2016.

For more information about the projects please visit the respective websites.

INFRES
Forest residues
www.infres.eu

LogistEC
Energy Crops
www.logistecproject.eu

EuroPruning
Agricultural residues
www.europruning.eu



PRACTICAL INFORMATION

CONFERENCE OUTLINE

There will be a total of five sessions, all plenary. The opening and closing sessions will sketch the context and perspectives. Three technical sessions will focus on supply chain issues.

- Role of bioenergy in EU and Globally
- Best available and future technologies for biomass supply: Success stories and barriers of innovation
- Technology, raw materials and economy of the entire biomass supply chain
- Economic, environmental and social sustainability of biomass production
- Perspectives beyond Europe

Flash presentations on demonstrated innovations and poster presentations will complement the programme. The programme starts at 10:00 hr and is scheduled to finish at 17:15 hr. Full programme details are presented in the agenda that is available at the conference website.

WHO WILL YOU MEET?

Scientists, businesses, government policy makers and other stakeholders from around the world, including feedstock producers, equipment manufacturers, logistics companies, end-users of biomass, biomass project developers, rural communities, NGOs, etc.

FREE REGISTRATION

Participation in the conference is free of charge. However registration is mandatory. To register, please visit the registration page and follow the instructions given. Note that in exceptional cases FAO reserves the right to refuse candidate participants access to the conference venue.

Please note that the deadline for registration is 19 April 2015.

For comprehensive information about the conference venue, how to get there and how to get access please check the logistical information that is available at the conference website.



ORGANISERS AND SUPPORT PARTNERS

Scientific Committee

Antti Asikainen (INFRES Coordinator), Benoit Gabrielle (LogistEC Coordinator), and Daniel García Galindo (EuroPruning Coordinator).

Organising Committee

John Vos, BTG, vos@btgworld.com; Raffaele Spinelli, CNR IVALSÀ, spinelli@ivalsa.cnr.it; Johanna Routa, LUKE (INFRES Manager); Eija Alakangas, VTT (INFRES Dissemination Leader).

Co-organisers

Food and Agriculture Organization of the United Nations, www.fao.org
International Union of Forest Research Organizations, www.iufro.org
IEA Bioenergy Agreement Task 43 - Biomass feedstocks www.ieabioenergytask43.org
US Department of Agriculture / US Forest Service, www.fs.fed.us
European Biomass Association, www.aebiom.org
European Biomass Industry Association, www.eubia.org
Italian Biomass Association, www.itabia.it
Federazione Nazionale Costruttori Macchine per l'Agricoltura, www.federunacoma.it

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Conference website

<http://www.infres.eu/en/final-conference/>