

DRAFT PROGRAMME

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

09:30 Registration

Opening session: Role of bioenergy in EU and globally

Chair: Antti Asikainen, LUKE, INFRES project

10:00 Welcome – Antti Asikainen, LUKE, INFRES project

Opening – José Graziano da Silva, FAO

European Commission perspective –
Virginie Rimbart, DG AGRI, EC

IUFRO perspective – Raffaele Spinelli, CNR

Session 1: Best available and future technologies for biomass supply: Success stories and barriers of innovation

Chair: Antti Asikainen, LUKE, INFRES project

This session will present the most promising technologies that each project has developed and/or demonstrated. Here, the scope is on single machines and operations. Barriers of innovation will also be addressed, in order to point at suitable strategies for the successful affirmation of cost-effective, environmentally-friendly technology.

10:30 Developing of two pruning harvesting prototypes. First results –Luigi Pari, CRA-ING, EuroPruning

Machinery and systems for the sustainable supply of wood biomass from dedicated plantations – Ian Shield, Rothamsted Research, LogistEC

Factors affecting a successful introduction and longevity of innovative systems and technologies in forest biomass harvesting – Dimitris Athanassides, SLU, INFRES

11:30 3 Flash presentations of products that have been demonstrated

Antti Ranta Konepaja – enlarged truck, INFRES
Product - N.N. LogistEC
Product – N.N. EuroPruning

12:00 Lunch break plus poster session

Session 2: Technology, raw materials and economy of the entire biomass supply chain

Chair: Benoit Gabrielle, LogistEC

This session will present and evaluate the entire supply chains studied in the three projects. The focus is on the economy of the supply: what are the cost per unit operation (e.g. cutting of trees, loading and transport of biomass from the field to the road side, baling, chipping etc.)? Adding the individual cost components yields the total cost of biomass supply to the plant.

13:30 Biomass from farmland - Mikkel Nielsen, CF Nielsen, LogistEC

Biomass from forests - Robert Prinz, Luke, INFRES

Biomass logistics costs from agricultural pruning. EuroPruning assessment- Girma Gebresenbet, SLU, EuroPruning

14:30 3 Flash presentations of products that have been demonstrated

Kesla Oy – Hybrid chipper; INFRES
Product – N.N. EuroPruning
Product – N.N. LogistEC

15:00 Coffee break

Session no. 3: Economic, environmental and social sustainability of biomass production

Chair: Benoit Gabrielle, INRA, LogistEC

In the third technical session, overall sustainability is evaluated for different sources (forest, farm, pruning, SRC etc.) of biomass. Each project will present its key sustainability concerns and possible solutions. In addition, impacts to employment, income generation, etc. are presented. The ultimate question is: What are the most limiting sustainability issues identified, and how we can overcome them?

15:30 Sustainability Impacts of bioenergy harvesting scenarios in European forests – Diana Tuomasjukka, EFI, INFRES

Environmental, economic and social issues for new logistics chains for biomass from prunings – Jan den Boer, Wrocław University of Environmental and Life Sciences, EuroPruning

Analysis of carbon capture by dedicated energy wood plantations - Thor Bjorkvoll, SINTEF, LogistEC

Closing section: Perspectives beyond Europe

Chair: Fernando Sebastian, EuroPruning

16.30 Cutting edge production and supply systems for biomass for energy in North America - Nathaniel M. Anderson, US Forest Service

Global perspective: FAO's findings on Bioenergy in global and local context – Olivier Dubois, FAO

17:00 Summary and closing remarks

Antti Asikainen, Fernando Sebastian, Benoit Gabrielle, Olivier Dubois and Virginie Rimbart