

ERA-NET Bioenergy Small-scale Combustion – Workshop

23 May 2007, Wednesday

Chair Marjatta Aarniala, Tekes

9.00 Opening of the seminar
Marjatta Aarniala, Tekes

9.10 ERA-NET Small scale biomass-fired CHP systems
Hao Liu, School of the Built Environment, University of Nottingham
Marcos Teixeira, University of Duisburg-Essen

- Project presentation
- Presentation of the Consortium (2) DE, UK
- Discussion and comments

10.00 Coffee break

10.10 ERA-NET Development of test methods for non wood small-scale combustion plants
Gottfried Eder & Lara Carvalho, Austrian Bioenergy Centre GmbH
Marie Rönnbäck, SP Sveriges Tekniska Forskningsinstitut

- Project presentation
- Presentation of the Consortium (6) AT, DE, SE, FI
- Discussion and comments

11.00 ERA-NET Clean biomass combustion in residential heating: particulate measurements, sampling and physicochemical and toxicological characterization
Jorma Jokiniemi, University of Kuopio/ VTT
Raimo Salonen, National Public Health Institute (KTL)

- Project presentation
- Presentation of the Consortium (10) AT, DE, SE, FI
- Discussion and comments

12.10 Visit to VTT's research facilities on small-scale combustion & fuel production
Heikki Oravainen & Kai Pietilä, VTT Technical Research Centre of Finland

12.50 Lunch at VTT's cafeteria

Chair Karin Hollaus, Austrian Federal Ministry of Transport

14.00 ERA-NET Combustion characteristics of ash rich pellets
Håkan Örberg, Swedish University of Agricultural Sciences
Marie Rönnbäck, SP Sveriges Tekniska Forskningsinstitut
Mario Mocker, ATZ Entwicklungszentrum
Heikki Oravainen, VTT

- Project presentations
- Presentation of the Consortium (8) DE, SE, FI
- Discussion and comments

15.00 ERA-NET Control potential of different operating methods in small-scale wood pellet combustion
Mika Ruusunen, University of Oulu
Timo Korpela, Technical University of Tampere

- Project presentations
- Presentation of the Consortium (3) FI, SE

- Discussion and comments

- 15.50 Coffee break
- 16.00 ERA-NET Bioenergy reporting and dissemination of the results
Karen Görner, FNR
- 16.30 Feedback from the ERA-NET Bioenergy call participants to the call organisers
- Views of the participants and suggestions for future improvements
- 17.00 End of the programme and departure for "Varjolan tila" by bus directly from VTT

24 May 2007, Thursday – Study tour

Presentation at Hotel Alexandra, meeting room Vallesmanni
Pellet production and markets in Finland and Baltic State area
Mr Matts Kempe, Vapo Oy/ Pellet Energy Association in Finland

Departure for Tulikivi Uunistudio Oy, Ahjokatu 28, Jyväskylä
Finnish heat retaining design stoves –Tulikivi
Mr Matti Sirkka & Mr Janne Virkkunen

Visit to container heating plant (200 kW) fuelled by wood briquettes and wood chips
*Mr Pekka Äänismaa & Mr Tero Vesisenaho, Jyväskylä University of Applied
Sciences, Kolkanlahdentie 280, Saarijärvi*

Rahkola Energy Co-operative (Saarijärvi shopping centre, Jyväskylantie 35)
Wood chip production, forest site situating between Saarijärvi and Tikkakoski
Mr. Tommi Lahti, LHM Hakkuri Oy