

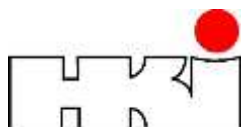


Highly Efficient and Clean Wood Log Stoves

Expert workshop, 29 Oct 2015

Jaap Koppejan and Hans Hartmann
IEA Bioenergy Task 32: Biomass Combustion and Cofiring

Organised in close collaboration with



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Why a workshop on woodlog stoves

- Domestic woodlog combustion is a large source of aerosols.
- Stoves generate renewable heat, but have a negative public perception with many people
- RED and ECODESIGN will impose introduction of better stoves accross Europe
- Knowledge sharing amongst producers is needed to come to better stove designs

Agenda for today

10:00 Welcome / Introduction

Framework conditions and stove integration

10:10 Market development and perspectives (Frank Kienle, HKI - Industrieverband Haus-, Heiz- und Küchentechnik e.V., Frankfurt, Germany)

10:40 Black carbon emissions from wood stoves (Dr. Morten Seljeskog SINTEF Energy Research, Trondheim, Norway)

11:00 Real life stove testing for European label development - The BeReal-project (Dr. Christoph Schmidl, Bioenergy 2020+, Wieselburg, Austria)

Stove development I

11:30 Guidelines and relevant issues for stove development (Prof. Dr. Ingwald Obernberger, BIOS Bioenergiesysteme GmbH, Austria)

12:00 Wood stoves for future's energy efficient buildings (Prof. Dr. Laurent Georges, Norwegian University of Science and Technology, Trondheim, Norway)

12:30 Lunch

Stove development II

13:15 CFD as an efficient design tool for log wood stoves (Dr. Øyvind Skreiberg, SINTEF Energy Research, Trondheim, Norway)

13:35 Transient CFD simulation of log wood stoves (Dr. Martina Blank, BIOS Bioenergiesysteme GmbH, Graz, Austria)

13:55 Advanced combustion control for a log wood stove (Dr. Jytte Illerup, Technical University of Denmark - DTU, Copenhagen, Denmark)

15:05 Coffee break

15:15 Emission abatement using integrated catalysts in log wood stoves (Dr. Ingo Hartmann, German Biomass Research Centre (DBFZ), Leipzig, Germany)

15:40 Performance of foam ceramic elements in log wood stoves (Dr. Hans Hartmann, Technology and Support Centre of Renewable Raw Materials - TFZ, Straubing, Germany)

16:05 Round table discussion

16:15 End of Workshop

I wish you a good workshop

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Tel +31649867956

jaapkoppejan@procede.nl

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