

POLISH WORKSHOP
on
use of standardized methods
for solid biofuels properties measurements

Marzena Hunder EC BREC/IPiEO,
mhunder@ipieo.pl

was held on 15th October 2008
at Institute for Fuels and Renewable Energy
EC BREC/IPiEO in Warsaw



Figure 1. Institute for Fuels and Renewable Energy
(EC BREC/IPiEO) in Warsaw

The workshop was addressed to three main group of participants:

- Laboratory staff engaged in solid biofuels properties measurements;
- Related industry: mainly heat and power plants;
- Research units and universities.

All presentations were prepared in Polish or were translated into Polish simultaneously.



At workshop, there were participated 36 people (among 39 registered). Over half of them represented industry sector.

Figure 2. Some participants

The presentations were divided into three blocks:

- Welcome, PHYDADES and general issues on solid biofuels standardization;
- Experience of biomass users;
- Physical and chemical properties of solid biofuels - ways of its measurements.

Ms. Magdalena Rogulska-director for Renewable Energy Sources within Institute of Fuels and Renewable Energy (EC BREC/IPiEO), and Mr. Jan Pels-PHYDADES Action coordinator (from ECN in Petten, the Netherlands) , welcome all participations.

Mr. Jan Pels, as a first speaker, presented PHYDADES Acion and BioDat database. Later on Ms. Marzena Hunder from EC BREC/IPiEO gave an overview on solid biofuels standardization in Poland and fuel specification and classes as well as issues on quality assurance. Before ending the first part of presentations, Mr Mariusz Cieplik from ECN in Petten (the Netherlands) lectured on sampling and sample preparation.



Figure 3. Participants around table and opposite lectures.

The second part started with a lecture on biomass use in Polish conditions prepared by Mr Jan Grzeskowiak from Dalkia in Poznan (Poland). Next presentation gave an overview on general issues on biomass cofiring with coal. Presentation prepared and presented Mr. Bartosz Swiatkowski from Institute of Energy in Warsaw.

At the end of second part, Mr. Jaroslaw Juscicki presented the experience of Opole Heat and Power Plant in biomass use for energy purposes.



The third part was prepared and presented by Ms. Magdalena Wojcik from OFI in Vienna (Austria), who presented methods for chemical and physical properties measurements of solid biofuels.

Coffee breaks and lunch break were an excellent occasion to ask some questions or talk personally with speakers.

Figure 4. Ms. Magdalena Wojcik performing presentations

The participants were asked for fulfilling questionnaires. 25 people among 36 workshops' participants were fulfilled them. Look at the summary of questionnaires to get detailed conclusions.

Schedule of workshop:

11:00-11:15 Welcome by EC BREC/IPiEO and PHYDADES project coordinator

Magdalena Rogulska/EC BREC/IPiEO & Jan Pels/ECN

11:15-11:40 PHYDADES and BioDat database presentation

Jan Pels/ECN

11:40-12:05 Process of solid biofuels standardisation

Marzena Hunder/EC BREC/IPiEO & Eija Alakangas/VTT

12:05-12:15 Coffee break

12:15-12:40 Sampling and sample preparation

Mariusz Cieplik/ECN

12:40-13:05 Fuel specification and classes, issues on quality assurance

Marzena Hunder/EC BREC/IPiEO & Eija Alakangas/VTT

13:05-13:50 Lunch

13:50-14:15 Solid biofuels use in Polish conditions

Jan Grześkowiak/Dalkia Poznań S.A.

14:15-14:40 Biomass cofiring with coal

Agnieszka Celińska/IEN

14:40-15:05 Experience of Opole Power Plant in biomass co-firing

Jarosław Juściński/PGE Górnictwo i Energetyka S.A.

15:05-15:15 Coffee break

15:15-15:40 Analysis of solid biofuels' physical properties based on CEN TC 335 standards

Magdalena Wojcik/OFI

15:40-16:05 Chemical analysis of solid biofuels based on CEN TC 335 standards

Magdalena Wojcik/OFI

16:05-16:30 Discussion

16:30 End of workshop