



Summary Minutes

Task 34 Pyrolysis meeting - Vienna, Austria

November 15-16, 2012



*Doug Elliott,
Task 34
Leader*

Task 34 members convened in Vienna, Austria, on November 15-16, 2012. At the meeting the agenda included Country Reports and status of the state-of-the-art journal publication, as well as discussion of advances in Norms and Standards. The work plan for the 2013-2015 triennium was reviewed.

Agenda of the TASK 34 Meeting

Introductions:

Participating countries were represented by their team leads (Douglas Elliott (DE), US; Anja Oasmaa (AO),

Finland; Dietrich Meier (DM), Germany; Tony Bridgwater (AB), UK; and Bert van de Beld (BvB), Netherlands) with an observer from Canada (Stefan Müller-Ensyn).

The task leader reviewed the results of the recent ExCo meeting including the outcome of country participation for the coming triennium. Sweden has joined US, Germany and the Netherlands. Finland and UK are undecided and Canada is not participating unless a formal industrial contributor can be found.

Continued on next page



Left to right: Tony Bridgwater, Anja Oasmaa, Bert van de Beld, Doug Elliott, Stefan Müller and Dietrich Meier.

Summary Minutes...continued

The IEA Bioenergy Conference 2012, just completed, appeared to be a great success. The Task-coordinated pyrolysis session made a fine impression with a Task presentation (AO) on bio-oil and three industrial presentations by Ensyn, Metso and BTG. There was also a presentation by BDI Bioenergy on their new pilot plant near Vienna. The Task poster did not seem to draw much attention.

Country Reports:

Presented by representatives from Finland (AO), Germany (DM), the Netherlands (BvB), UK (AB), and US (DE).

Norms and Standards:

- *ASTM*—reported that ASTM burner fuel standard, D7544-12, was approved with an expanded table showing two grades of bio-oil, G and D, with moderate and low levels of solids, respectively.
- *CEN*—There was discussion about future standards included in the draft mandate being considered by CEN. This standardization process is

moving forward with designation of the Finnish Petroleum Foundation as the Secretariat of the Working Group. See [Task 34 Newsletter issue 32](#), December 2012 for more details.

- *REACH*—There was progress to report including scheduling of a PRE-SIEF meeting later in November. See [Task 34 Newsletter issue 32, December 2012](#) for more details.

Review of the 2013-2015 Triennium Plan:

Activities proposed for the next triennium include—Review of Bio-oil Applications; Bio-oil Standards Development; Round Robin for Analytical Method Validation; Collaborative activities with other IEA Bioenergy Tasks, including TEA development, input to LCA, input to biofuels demonstration database, and lignin pyrolysis biorefinery development.

Topics for Group Assignment:

- *Website Review*—During group discussion, it was identified that a number of

general amendments were needed. In addition, efforts will be made to improve the Applications section with new input prepared for Heat & Power, Biofuels, and Chemicals & Materials.

- *SOTA*—The paper based on the country reports was finalized and submitted for publication. Final review and acceptance is expected by the end of the year. This will be published in Renewable and Sustainable Energy Reviews by Elsevier.
- *Newsletter*—Writing assignments were made for the final issue of the triennium due out in December 2012.

Next meeting:

It was decided that the next IEA Bioenergy Task 34 meeting will be held on April 16-18, 2013, in Karlsruhe, Germany, and will include interaction with and tours of the Karlsruhe Institute of Technology (KIT).

Doug Elliott Task 34 Leader



Left: During the Task 34 meeting discussions were held regarding the next triennium activities. Right: Task members viewing a model diesel engine on display at Technical University of Vienna.