

IEA Bioenergy

Task 34 - Pyrolysis



Summary Minutes

*Task 34 Pyrolysis meeting - Solihull, UK
May 15-16, 2014*



*Update from
Doug Elliott,
Task 34
Leader*

Task 34 members convened in Solihull, UK, on May 15-16, 2014, in conjunction with the Pyro2014 conference, the 20th International Symposium on Analytical and Applied Pyrolysis held in Birmingham, UK, May 19-23.

Agenda of the Task 34 Meeting

Introductions:

Participating countries were represented by their national team leaders: Douglas Elliott, US; Dietrich Meier, Germany; Bert van de Beld, Netherlands; Tony Bridgwater, UK; and Magnus Marklund, Sweden; with Ville Paasikallio representing Finland. Also in attendance were observers Daniel Nowakowski, Chunfei Wu, José Medrano, Sai Gu, and Irene Watkinson from UK,

Paul de Wild from Netherlands, Tim Schulzke from Germany and Akwasi Boateng from US.

Country Reports:

Reports were presented by representatives from US, Netherlands, Finland, UK, Sweden and Germany. Observer presentations were also made from UMSICHT, Germany; University of Leeds, UK; Future Blends, UK; and Cranfield University, UK.

Status of Inter-Task Collaborations:

Efforts with Tasks 32 and 33 are rather quiet. With Task 38, the LCA produced by US and Finland will be provided for review. The collaboration with Task 39 has developed into an effort to produce an on-line database of pyrolysis

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The IEA Bioenergy Task 34 meeting attendees visited Aston University's European Bioenergy Research Institute (EBRI) in Birmingham, UK.
From left to right: Tony Bridgwater, Chunfei Wu, José Medrano, Tim Schulzke, Akwasi Boateng, Dietrich Meier, Doug Elliott, Paul de Wild, Irene Watkinson, Bert van der Beld and Ville Paasikallio.

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systems. A contract is being negotiated. Task 42 has requested input from Task 34 on reviewing their fact sheet on bio-oil production, gasification, and product synthesis.

Norms and Standards:

Developments within the CEN working group were presented and discussed. An update paper on bio-oil norms and standards is in the works with Anja Oasmaa as the lead author.

Round Robin:

The round robin to examine the consistency of bio-oil production within the fast pyrolysis community is underway. The US (Idaho National Laboratory) is to provide the feedstock in three standard forms, clean poplar

wood, wheat straw, and a blended feedstock of those two with pine forest residue. 20 labs have joined the round robin representing all six participating countries.

Bio-oil Applications:

Incorporation of the 'Applications' of bio-oil information recently posted to the Task website was to be part of an updated pyrolysis brochure. Development of a publication plan is ongoing.

Topics for Group Assignment:

- *Website Review*—During group discussion, it was identified that a number of improvements and updates were needed. Input from each participant was solicited.

- *Newsletter*—Writing assignments were made for the next issue of the newsletter due out in June 2014.
- *Task Plan for Next Triennium*—New topic areas for the next triennium were discussed. A proposal summary will be prepared prior to the next ExCo meeting in October.

Next Meeting:

It was decided that it will be held October 28-30, 2014 in Helsinki, Finland. A subsequent meeting is planned for Netherlands in May 2015 to visit the Hengelo bio-oil production plant.

Doug Elliott
Task 34 Leader



Clockwise from top left: The IEA Bioenergy Task 34 meeting at Solihull; Tony Bridgwater, IEA Bioenergy Task 34 leader for the UK, gave a guided tour of the European Bioenergy Research Institute (EBRI) at Aston University, Birmingham which included a visit to the industrial laboratories, as well as the pilot plant.