



Task 34

Direct Thermochemical Liquefaction of Biomass

Task 34 Meeting December 17th, 2025 (videoconference)

20:00-21:15h (CEST)

Recognition of Meeting Participants

Bert van de Beld	(BvB)	NTL The Netherlands
Alexandra Böhm	(AB)	Task Manager
Daniele Castello	(DC)	NTL Denmark
Francois Collard	(FC)	NTL New Zealand
Axel Funke	(AF)	Task Lead/ NTL Germany (Minutes)
Mike Thorson	(MT)	NTL United States
Manuel Schwabl	(MS)	NTL Austria
Taina Ohra-Aho	(TO)	alternate NTL Finland

Update of work packages

WP 1.1 (DTL) pathways to (ASTM) aviation fuel approval and marine fuels (BvB, MT)

The draft report is available. Some editing and a conclusion are still required. The updated draft is expected by the end of December or the beginning of January.

WP 1.2 Use of byproducts gas and char (DC gas, MS char)

For the State of the Art Coordination with Manuel is required. AF noted that two reports are needed and, if possible, they should not be prepared in one. MS stated that collaboration would be welcome. A workshop is planned at CEBC. Differences between technologies should be elaborated, including their impact on outcomes. With regard to by-products, AF should be kept in the loop and would like to contribute. DC should be included in the workshop in a hybrid format. It is assumed that the schedule can be maintained.

WP 1.3 Aqueous phase/ water management in HTL (DC)

The WP is slightly behind schedule. Membrane filtration and chemical treatment were mentioned as relevant topics. The work is currently in the design phase, with priority presently on WP 1.2.

WP 3.1 Update commercial DTL facilities (FC)

Several facilities show no updates. If no information is received, they should be removed from the report, as further activity is unlikely. MG will take over by Canada in January. Many plants are likely to have no further activity and should be moved to the appendix.

Smaller plants can also be considered, but they should be commercial. François indicated that more plants are needed. Criteria need to be defined, for example the sale of products. By the end of Q2 2026, a commercial demonstration plant is planned in the Netherlands. The planning is considered promising and progress will be monitored. The plant in Canada has progressed significantly after the workshop. The contract with KIT is initiated.

WP 4.1 PyNe (AB)

The deadline for the next PyNe is **15 June 2026**.

After PyNe is before PyNe, and more articles are needed.

Each NTL is kindly requested to proactively consider this and engage with relevant stakeholders in order to ensure that the required articles are provided in a timely manner.

Current status of contributions:

Title	Status	Responsible Person
Preem	maybe	Christian Lindfors
Pyrocell	maybe	Christian Lindfors
Valmet	maybe	Christian Lindfors
Case study on pyrolytic by-products	approved / not received yet	Murlidhar Gupta
pHD – Part	Approved / not received yet	Axel Funke
Report from CEBC	approved / not received yet	Manuel Schwabl

WP 4.2 Website

Planned Workshop – Website Review

The workshop is planned on January 27th. The required information and the agenda will be provided by AB one week in advance.

Other Business

Pilot Plant Data Base

The pilot plant database needs to be updated. AB will circulate the Excel sheet in February. The focus should be on the home country, but participants are free to look beyond this.

ExCo

The progress report received no comments. The ITPs has been agreed. Task 34 will participate in every ITP. The structure of IEA Bioenergy was discussed, but no decision was taken. The decision was postponed and a strategy still needs to be defined.

List of ITPs Task 34 is participating:

- BECCUS 3.0 (AF / MS)
- Bioeconomy Synergies (AF)
- Expanding the Resource Base (AF)
- Socio-economics (Title needs to be defined) (AF)

Taskmeeting in Austria

The dates are confirmed (30 June–02 July). The draft agenda will be circulated in mid-February.

Planning is already at an advanced stage. As usual, Day 1 will be the Task meeting, Day 2 will host the stakeholder workshop, with an additional networking hike planned with stakeholders in the afternoon, and Day 3 will include a lab tour in Vienna. Further information on hotel reservations will be provided shortly.