

Task 34

Direct Thermochemical Liquefaction of Biomass

Task 34 Meeting December 22nd, 2022 (videoconference)

18:00-18:40 (CET)

Recognition of Meeting Participants

Alex Böhm	(AB)	Task Assistant
Axel Funke	(AF)	Task Lead/ NTL Germany (Minutes)
Daniele Castello	(DC)	Alternate NTL Denmark
Francois Collard	(FC)	NTL New Zealand
Mike Thorson	(MT)	NTL U.S.

Update work packages

WP 1.2: Production of chemicals and materials from HTL and FP oil (MT)

The DTL section is largely completed, the pyrolysis section is still missing. MT will reach out to contributors.

WP 1.3: DTL Oils for gasification (BvB)

Tentative outline has been created and writing started. Sabine Fleck from Task 33/ KIT committed to contribute even if there is no official agreement with Task 33.

WP 2.3: Hydrogen use for DTL product upgrading (LR/ DC)

Aalborg University has submitted their offer for this work package so that formalities can be settled soon. The case study is still most likely Silva Green Fuel as basis, with upgrading added as a model. AF assured that this is in line with at least one other case study provided within the associated ITP.

WP 3.1: Round Robin (BB)

AB and AF will support Phil Bulsink, who is conducting the Round Robin on behalf BB, with investigating suitable labs, organize the oil samples and defining the scope. AF argued that focus should be on sub-sampling and ICP (among other more established methods such as water/ solids/ ash content) to follow the original strategy outlined by BB. The scope will be discussed and a decision planned during the upcoming task meeting in India.

WP 3.2: Lessons learnt from FPBO REACH & GHS registration (BvB)

The internal review within BTG is ongoing; the review within Task 34 is planned for January 2023.

WP 3.3: Update commercial DTL facilities (FC)

Roughly 70% of existing projects have been scanned for an update; projects with no update will be approached by FC/ the author team early 2023 to provide opportunity to include an update.

AF will start update of demoplant database early 2023 to support the process.

WP 3.4: TEE of DTL biorefinery (AF)

Task 42 decided to commit to this collaboration during their last task meeting. However, there is still no direct contact to the responsible NTL.

WP 4.1: Website management (AB)

DC will prepare the page for biocrude, the landing page for DTL oils has been updated and AB will upload it.

WP 4.2: PyNe newsletter (AB)

For the upcoming PyNe issue 53, DC and AF announced one contribution each; MT anticipates two contributions from the U.S.

WP 4.4: Country Reports (AB)

Country reports have been prepared for The Netherlands and New Zealand and have been published on the website.

Last Triennium: Co-Refining of FPBO in petroleum refineries (CL)

The highlight article has been accepted; this work package is concluded.

Meeting in India

AB has received updates from most NTLs and will provide the updated list to PK.

AF announced that focus will be on country reports from the individual members and asked to prepare for a 10-15 min presentation (depending on the scope of information that is being conveyed). NTLs can decide the content of these presentations depending on the specific situation in their respective countries; the country reports published on the Task 34 website can act as guidance.

Additionally, AF plans to

- decide on the scope of the Round Robin, including potential labs and oil suppliers
- discuss the preparation of a webinar and decide on a reasonable topic for that
- decide whether to organize the last task 34 meeting in conjunction with the IEA Bioenergy end of triennium conference/ BBEST conference in Brazil October 2024
- discuss possible definitions of 'stable' and 'hydrotreated' FPBO