

Task 34

Direct Thermochemical Liquefaction of Biomass

Task 34 Meeting March 30th, 2023 (videoconference)

20:00-21:00h (CEST)

Recognition of Meeting Participants

Alex Böhm	(AB)	Task Assistant
Axel Funke	(AF)	Task Lead/ NTL Germany (Minutes)
Benjamin Bronson	(BB)	Task Lead Canada
Bert van de Beld	(BvB)	NTL The Netherlands
Francois Collard	(FC)	NTL New Zealand
Meesala Lavanya	(ML)	Alternate NTL India
Mike Thorson	(MT)	NTL U.S.

Update work packages

WP 1.1: (Pathways to) Transportation fuels from HTL and FPO (PK)

Major tasks have been assigned resources and table of content was created. It will be sent around to Task 34 NTL's for review early April.

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

Contribution from BTG by mid-April, by AF within May 2023.

WP 1.3: DTL Oils for gasification (BvB)

Finalization expected by May/ June 2023.

WP 2.2: DTL as BECCS/ BECCU technology (AF)

Fundamental models in Aspen created to produces data for discussion within Task 34.

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

Expert workshop took place March 29th 2023.

WP 3.1: Round Robin (BB)

Until now, only HPCL was added as additional laboratory. MT asked to also add PNNL as participating laboratory. No significant advance in creating sampling procedures.

BB suggested to include Phil Bulsink in one of the following meetings for the discussion of the Round Robin

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

Report has been finalized and will be uploaded. It would be desirable to add an official HTL biocrude safety datasheet even after publication.

WP 3.3: WP 3.3: Update commercial DTL facilities (FC)

First draft will be sent around for discussing until mid-April

WP 3.4: TEE of DTL biorefinery (AF)

Contact to person in charge at Task 42 (Christian Lindorfer) was established in the meantime. AF is clarifying what type of information is needed for a TEE (and the level of detail) based on two example cases (Task 42 fact sheet on bioliq and ITP High Temperature Heat Case Study on Empyro).

WP4.2.: PyNe (AB)

Five articles promised so far, due date for submission is June 15th, 2023.

Other Business

Next Meeting in the U.S.

Meeting place at NREL in Golden/ Colorado has been confirmed. It will take place November 2nd with a workshop on November 3rd, 2023.

NTL Canada

BB will go on full time language training, possibly until October 2023 and will not be available for Task 34 related issues. He will announce a replacement for this duration