

### Task 34 Meeting September 28<sup>th</sup>, 2023 (videoconference)

20:00-21:30h (CEST)

#### Recognition of Meeting Participants

Alex Böhm	(AB)	Task Assistant
Axel Funke	(AF)	Task Lead/ NTL Germany (Minutes)
Bhanu Prasad	(BP)	Alternate NTL India
Christian Lindfors	(CL)	NTL Finland
Daniele Castello	(DC)	Alternate NTL Denmark
Francois Collard	(FC)	NTL New Zealand
Michael Thorson	(MT)	NTL U.S.
Pramod Kumar	(PK)	NTL India

#### Update work packages

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

Work is progressing, a revised version of the first two chapters has been provided and will be made available by AF for a final review.

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

Report is 95% done, MT tries to get finalized by End of October.

##### **WP 1.3: DTL Oils for gasification (BvB)**

Another meeting took place to discuss quality parameters. It was decided in that meeting that limits/values for quality parameters should not be proposed in order to avoid fixing values at such an early stage. Instead, experience values from different gasifiers will be supplied to provide an idea of what has been gasified already.

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

The values for the case study have been finalized and AF continues writing the report for the case study to be included in the ITP BECCUS.

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

Several scenarios have been evaluated to account for expected varying H<sub>2</sub> production (according to power availability/ price) and how that can be best integrated into an HTL facility. First line of thought is that storage is not feasible and rather options to use H<sub>2</sub> as produced will be investigated.

##### **WP 3.1: Round Robin (BB)**

MT will provide microalgae HTL biocrude to Canmet Energy.

#### **WP 3.4: TEE of DTL biorefinery (AF)**

No update.

#### **WP 4.1: Website management (AB)**

HTL explained and HTL reactors pages are online; MT and DC will review whether they can be shortened a little (10-15%).

#### **WP 4.2: PyNe Newsletter (AB)**

AB updated the list of contributions for the upcoming PyNe 54

#### **WP 4.4: Country Reports (AB)**

This year's country report should cover Canada, Germany, US. AB will send around the last reports, feedback is requested by Mid-December.

#### **Task Meeting US**

All NTL's are requested to fill in the visitor registration sent around earlier this week as soon as possible. MT presented the final list of speakers for the workshop. AF will send around a finalized agenda.

#### **Discussion Task Focus Presentation**

There was a detailed discussion around the slides of the task focus presentation that was sent around mid September to all NTL's, primarily to fine-tune messages and details. MT and DC will provide input to the missing HTL state of the art figures and future prospects by October 6<sup>th</sup>, 2023.

#### **Other Business**

KIT now allows to open MS Team channels for external guests after the latest update. AF will set up a channel for Task 34 to ease exchange of information for reports and reviews.