



Meeting Minutes

WP8 – 5th WP Leaders Meeting

Date: 11-Jan-2017
Time: 15:00 – 16:00
Location: Wageningen Food & Biobased Research, Axis X (Building 118) Bornse Weilanden 96708 WG, Wageningen

Participants

Anne-Belinda Bjerre	DTI (Coordinator & WP8 leader)
Jaap van Hal	ECN (Executive Board Chairman, WP5 leader)
Benny Pycke	SIOEN (WP1 leader)
Xiaoru Hou	DTI (WP2 leader)
Ana López Contreras	WFBR (WP3 leader)
Wouter Huijgen	ECN (WP4 leader)
Jonna Fry	ERM (WP6 leader)
Rita Clancy	EURIDA (WP7 leader, Dissemination Officer)
Bert Groenendaal	SIOEN (IPR Officer)

Agenda

1. Coordination of Samples for AD, WP5
2. Data for WP6
3. Alcohol Fuel Production
4. Furanic Fuel Production
5. Foto Library
6. Advisory Board
7. Others



Minutes of meeting

1. Coordination of Samples for AD, WP5

- A “MacroFuels Code System” will be resent and emphasized for utilization by Jaap during next week, for the purpose of facilitating the tracking and coordination of samples delivery and data collection in the project.
- A template for requesting samples (seaweed species and amount), to be used by WP3 and WP4 partners (fuel production for engine test), will be developed and sent out by Jaap.

2. Data for WP6

- When the main scenarios are further refined, Jonna will send the data parameters for each main scenario to WP leaders, for them to check that the parameters suggested by WP6 members are practical and reasonable. These data are to be used for techno-economic assessment and the life cycle assessment.

3. Alcohol Fuel production

- Estimation of the seaweed biomass requirement is only based on sugar content, for the safe case i.e. alginate converted furanic fuels will be investigated, but may not be up-scaled for real engine test.
- Seaweed biomass supply for large-scale biofuel conversion will be kelp (i.e. *Saccharina* and *Alaria*), while sugar-rich *Palmaria* will be as back up, in case of failure to obtain sugar-rich kelps.

4. Furanic Fuel Production

- An amendment of the project plan in deliverable D 4.5 (deadline M36) might be needed, considering large scale e.g. 20 kg furan production for engine test, due to the reasons of 1) extensive extra work of purification and derivatisation of furans to fuels is required to get fuels (from most furans), and such high work load is not foreseen in the project plan 2) large production facilities are not available at the moment.
- The below proposed amendment, which was approved in WP leaders meeting, will be submitted to EU commission (the deadline for this action is 1st May 2017) :
 - For the deliverable D4.5 (Fuels sample for WP5 for engine testing), WP4 will do literature overview of routes to furans and subsequent derivatisation options to fuels incl engine combustion behaviour of biofuels. For furanic biofuels with less well-known properties such as e.g. MMF (from glucose/galactose, AVT) and methylfurfural (from rhamnose, to be purchased commercially) combustion tests will be performed at small scale (proposal for scale to be determined within WP4). Based on the combined results, a selection for a furanic biofuel will be made.

5. Picture Library

- WP leaders should inform the WP partners the following:
 - The pics in the Picture Library (in Members Area) are free for accessing and being used by all the MacroFuels’ partners (WP leaders should inform their WP partners).
 - Copyright-reserved pictures should not be saved to the library.



- All MacroFuels partners should be encouraged to take pictures on behalf of MacroFuels, for promoting and advertising the project. Story-telling (non-professional) pictures are preferred compared to professionally shot but non story-telling pictures.

6. Advisory Board:

- Shell Biodomain has agreed to join the Advisory Board. EU parliament Officer Nils Torvalds, Proviron, and Statoil has declined.
- The other possible candidates are under development and contacting:
 - Anne-Belinda will try to contact Novozymes again.
 - Benny Suggested contacting a Brazilian Chemical Company Braskem (<http://www.braskem.com/site.aspx/Im-greenTM-Polyethylene>). Jaap van Hal will find out which Brazilian company is in the H2020 Brazil/EU project (on biofuels).
 - Sky Energy was suggested by Jaap van Hal, and he will contact them.

7. Others

- The 4th project meeting following the 3rd project meeting (which will be held in 3rd – 5th July 2017, Bruges, Belgium, as being decided in the 2nd project meeting) will be hosted by FEXP in Denmark during Nov-Dec 2017.
- WFBR has forwarded a video to Rita about WFBR's seaweed biorefinery project (Seabioplas) showing the fermentation facilities. The video will soon be posted on the MacroFuels website.
- WFBR participated in a small project helping SME to develop films using seaweeds, including ulvans and alginates polymers. They have an interest in continuing in this field with possible future collaborations with any interested MacroFuels partners.
- Bert would like to organize a workshop about seaweed cultivation - downstream processing, which might be a side event in combination with a seaweed symposium (Seagriculture). Exact date and place are unknown at this moment.

Noted by Xiaoru Hou, revised by Wouter Huijgen, Ana Lopez Contreras, Benny Pycke, Jaap van Hal, Anne-Belinda Bjerre, and Jonna Fry.