

IEA Bioenergy Task 39

Commercializing Conventional and Advanced Transport Biofuels from Biomass and Other Renewable Feedstocks

IEA Bioenergy Task 39 Business Meeting

16-17 September 2019

Stadshuset, 2nd floor, Elite Marina Tower Hotel, Stockholm, Sweden

17 September (afternoon), site visit

**(Henriksdal biogas production and upgrading plant/Research in Sweden at the Science Park/
Scania production facility)**

18-19 September, Advanced Biofuels Conference

IEA Bioenergy

Monday, 16 September 2019

8:30-8:45	Welcome Task 39 members to Stockholm, Sweden (Tomas Ekbom)
8:45-9:00	Welcome to IEA Bioenergy Task 39 meeting (Jim McMillan) Group introductions, local arrangements and logistics. Tabling of meeting agenda.
9:00-9:30	Review of proposed Task 39 activities, discussion of projects that will be covered in the current triennium (2019-2021) (Jack Saddler) - Brief summary of proposed triennium projects, deliverables, lead and possible budget - Update on proposed Task interaction with other Tasks, other organisations (GBEP, IEA HQ, IRENA, etc.) and industries (bioRefineries, Neste, Borregaard, Novozymes, DSM, REG, etc.)
9:30-10:00	Techno-economic analysis (TEAs) of advanced biofuels (including feedstock/technology pathways), particularly for drop-in biofuels, build on the ExCo/EU funded special Task 41 project- as well as to identify priorities for future research, development, investment, and policy making (Duncan Akporiaye) Lead: Duncan Akporiaye , with input from Franziska Müller-Langer, Tomas Ekbom, Jin-Suk Lee and others
10:00-10:30	Review existing/proposed certifications used for oleochemical- and lignocellulosic-based biofuels supply chains; identify certification scheme improvement opportunities (Paul Sinnige, with input from Mahmood Ebadian and others)
10:30-10:45	<i>Coffee/tea break</i>
10:45-11:15	Assess successes and lessons learned for conventional/advanced biofuels deployment (Franziska Müller-Langer with input from Tomas Ekbom and others)
11:15-11:45	Analyze biofuels production and use status in non-IEA countries/emerging economies (Glaucia Mendes Souza and others)
11:45-12:15	Extend analysis of issues limiting efficient integration of advanced biofuels into existing infrastructure and engines and bio-crude intermediates co-processing in petroleum refineries (Steven Rogers and Paul Bennet)
12:15-12:45	Evaluate oleochemical and lignocellulosic resources, including processing residues and other captive “waste” feedstocks (involving Tasks 42, 43 and new Sustainability Task) and their conversion pathway potentials as technology platforms for drop-in biofuels production (also involving especially Tasks 33 and 34) (Henning Jorgensen and others) (Denmark possibly works on updating the marine biofuels report)
12:45-13:30	<i>Lunch Break</i>
13:30-14:00	Conduct feedstock-to-biofuel(s) supply chain analysis to identify CAPEX and OPEX cost reduction opportunities (with Task 43/Feedstocks) (Stephen Dooley and Yuta Shibahara (“Shibby”))
14:00-14:30	Update of Biofuels Demonstration website/report (Dina Bacovsky)
14:30-15:00	Decarbonization of aviation and marine sectors, follow up to drop-in biofuels report (Susan van Dyk, via Skype)
15:00-15:15	<i>Coffee/Tea break</i>

IEA Bioenergy

15:15-15:45	Update on the implementation Agenda's report (compare-and-contrast of biofuels policies). Refining the questionnaire to make the next report more cohesive (Mahmood Ebadian, via Skype)
15:45-16:15	Sustainability assessment of biofuels pathways; Identify key metrics beyond GHG reduction; span both feedstocks and conversion technologies (Adrian O'Connell) Co-lead biofuels LCA studies (Lead by , D. O'Connor with input from A. O'Connell, M. Staples, A. Bonomi, M. Wang)
16:15-16:45	Tie in with Don O'Connor via skype to continue discussion on <i>Sustainability assessment of biofuels pathways; Identify key metrics beyond GHG reduction; span both feedstocks and conversion technologies</i> (lead by Don O'Connor with input from Adrian O'Connell and others)
16:45-17:00	Task 39 business meetings in 2020- 1) Brazil first half of 2020 (Sao Paulo, 2-3 April following the BEST meeting 30 March-1 April) 2) Possibility of Germany or Japan for late 2020?? 3) Denmark, 21-23 April, 2021 4) Australia for late 2021, in combination with end of triennium (IEA Bioenergy) meeting Planning for the next newsletters to be published in 2019/2020: Late 2019- Denmark Early 2020- Germany
17:00-17:30	General discussion
17:30-18:00	Close of meeting (Jim McMillan)
18:00	Informal group dinner at local establishment (more details to come)

Tuesday, 17 September 2019

8:30-9:00	Welcome Coffee
9:00-9:20	Status of Swedish gasification and pyrolysis to biofuels Joakim Lundgren, Professor / Director Luleå Technical University / Swedish Gasification Center
9:20-9:40	-Update on supported R&D in biofuels and large Swedish demonstration projects -Biofuels policy in Sweden – status and outlook Jonas Lindmark, Biofuels expert and research program manager Swedish Energy Agency
9:40-10:00	\$800 million climate support program – results and learnings Nanna Wikholm, Head of Climate action program Swedish Environmental Protection Agency
10:00-10:30	Coffee/tea break
10:30-10:50	Organic catalysis of wood to biofuels – the road to demonstration plant Sven Löchen, CEO RenFuel
10:50-11:10	Traffic trends and climate goals for the Swedish transport sector Magnus Lindgren, Analyst and expert in traffic and vehicles Swedish Transport Authority
11:10-11:40	Panel discussion and general debate
11:40-13:00	Lunch Break

IEA Bioenergy

13:00-18:00	Technical tour leaving from and returning to the conference hotel: 1. Study visit to Henriksdal biogas production and upgrading plant with bus terminal (confirmed) 2. Scania Production Facility in Södertälje (confirmed) 3. As option if a person <u>does not</u> want to visit Scania we have RISE SP Science Park in Södertälje SPF = Surface, Process and Formulation
-------------	--

Wednesday, 18 September 2019

9:00-17:00	Advanced Biofuels Conference, day 1
18:30-22:00	Exclusive dinner cruise exploring Stockholm archipelago

Thursday, 19 September 2019

9:00-16:00	Advanced Biofuels Conference, day 2
------------	--