

IEA Bioenergy Task 39 Business Meeting & LCA of Biofuels Workshop

**IEA Bioenergy Task 39
Commercialization of conventional
and advanced transport biofuels from
biomass and other renewable
feedstocks**

**15-17 May 2019
JRC, Ispira, Italy**

Wednesday, 15 May, 2019

10h30	Welcome Coffee/Registration/Logistics (Adrian O'Connell and Laura Lonza)
10h45	Welcome to the European Commission's Joint Research Centre (JRC) (Piotr Szymanski, Director, TBC)
11h00-11h30	Welcome to IEA Bioenergy Task 39 meeting (Jim McMillan) 1) Welcome new/rejoined members 2) Review of agenda 3) Brief summary of last triennium deliverables and outstanding reports 4) Brief discussion on proposed structure/function of IEA Bioenergy for 2019-2021 5) Brief summary of proposed Task 39 "deliverables" for 2019-2021 6) How Task 39 might interact with other Tasks and other organisations (GBEP, IEA HQ, IRENA, etc.)
11h30-12h15	Review of activities covered / delivered in the last triennium (2016-2018) (Jack Saddler) 1) Meetings and Newsletters 2) The Potential of Biofuels in China 3) Mobilizing Sustainable Bioenergy Supply Chains– proposed Inter-Task report 4) Algal report 5) Marine drop in biofuels report 6) Advanced biofuels in advanced engines 7) Pilot, Demo, Commercial biofuel plant database 8) LCA report led by CTBE (covered in more detail later) 9) Brief on Implementation Agendas report update (Full report and suggestions for activities for new triennium via skype later in the afternoon) 10) Brief on Drop-in biofuels report update (full report presented later in the afternoon) 11) Outstanding activities a) Advanced biofuels cost reduction potential (Task 41 special project) b) Potential of "generation 1.5" feedstocks (needs a lead. Possibly India?) c) Spatial analysis of biofuel feedstock reserves (with Task 43. New inter-Task activity?) d) Assessment of advanced biofuels commercialization successes (Sub set of new special project?)
12h15-13h00	Lunch
13h00	Task 39 member country updates (all) Country report briefs (target 12 min blocks: 4-6 slides max.; 5-8 min present + 4 min Q&A) Progress in the production and use of biofuels in each of Task 39's member countries, current and future trends, commercial, technical & policy developments (16x12 = 192 min = 3h12m) (Australia, Austria, Brazil, Canada, Denmark, European Commission, Germany, India, Ireland, Japan, Korea, Netherlands, New Zealand, Norway, Sweden, USA)
15h15-15h30	Coffee break
15h30-17h00	Continuation of Task 39 member country updates
17h00-17h45	Implementation Agenda's report (compare-and-contrast of biofuels policies) and proposal on how the data collection and next report can be improved (Mahmood Ebadian, via Skype)
17h45-18h15	Update of Biofuels Demonstration website/report (Dina Bacovsky)
18h15-18h30	Wrap up for the day and head for bus
19h30	Dinner

Thursday, 16 May 2019

8h30	Welcome and review of program for the day (Jim McMillan / Jack Saddler)
8h40-9h15	Drop-in Biofuels report update (Jack Saddler) - Production and uptake of drop-in biofuels - Status of technology providers - Refinery integration and co-processing potential and challenges - Work initiated on biojet/SAF briefing note, technology, commercialisation, policy and LCA - Cooperation with Task 33 and 34 - Greater involvement of refineries and companies such as REG, Neste, World Energy, etc.
8h40-10h30	Discussion of Task 39 activities for 2019-2021 triennium (moderated by Jim) 1) Feedstock-to-biofuel(s) supply chain analysis (to identify CAPEX and OPEX cost reduction opportunities) (Possible collaboration w/ Trade/Deployment Task 40/ Task 43?) but overlap with Special project lead by Adam Brown? 2) Progress in commercialisation of advanced biofuels, how to achieve better industry involvement (all) (Recruit /reinvigorate industry representation at Task 39 meetings, e.g., Refineries, Neste, Borregaard, Novozymes, DSM, REG, etc.) 3) Policy evaluation – carbon tax, low carbon fuel standard and mandates – which one works best to promote biofuels? How to forge/foster political consensus to get policy developed and implemented?(all) 4) Continued work on drop-in biofuels, with a main emphasis on decarbonizing the long-distance transport sectors (i.e., Marine, Aviation, Rail and Truck). Lead by UBC, with focus on Aviation and Marine. Building on ongoing work with industry representatives from each sector? 5) Sustainability assessment of biofuels pathways (with new Sustainability task, and/or multi-task). Identify key metrics beyond GHG reduction; span both feedstocks and conversion technologies. Co-lead biofuels LCA studies (Lead by , D. O'Connor with input from A. O'Connell, M. Staples, A. Bonomi, M. Wang) 5) Coordinated activities reaching out to other entities/Tasks: (a) IRENA on biofuels developments in non-IEA countries / emerging economies (due to Brazil's past involvement in the BioFuture Platform and activities such as the recent SCOPE study, Glaucia Mendes Souza expressed her interest in leading this activity, possibly with India as co-lead) (b) GBEP (e.g., AG8), RSB, FAO, etc. (all) (c) Joint IEA Bioenergy (Task 39), EC and AMF study on "the contribution of advanced renewable transport fuels to decarbonizing transport by 2030 and beyond" (follow up with Kyriakos and work with Task 39 leadership to try to better scope) (d) 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 (Tomas Ekbom and Duncan Akporiaye indicated interest) (e) Review existing/proposed certifications used for oleochemical- and lignocellulosic-based biofuels supply chains; identify certification scheme improvement opportunities (with Task 40 /Trade?) (Timo offered to take the lead?) (f) Ongoing updating of the pilot/demo/commercial biofuels plants ("Demoplants database") will continue. (led by Dina Bacovsky / Bioenergy 2020+)
10h30-10h45	Coffee/tea break
10h45-11h15	Future newsletters Early-2019 Brazil Mid-2019 Netherlands Late-2019 Denmark Future meetings Stockholm - Week of 16 September, 2019 Meetings in 2020 Brazil, Sao Paulo, 2/3 April, 2019, in conjunction with BBEST meeting Second half of 2020? Early 2021? Late 2021?
11h15-Noon	1) Review of which individuals will take the lead on which prioritized activities 2) Budget allocation to each of the prioritized activities

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	3) Task 39 contributions to inter-Task activities 4) Final review of Task 39 activity assignments
Noon-12h.30	Update on LCA studies led by Antonio Bonomi/CTBE and used as a transition to the workshop
12h30	Lunch
13h30	Workshop on the sustainability of biofuels, with a focus on LCA (Thursday afternoon through to mid-Friday afternoon)