



IEA Bioenergy Task 39 Virtual Business Meeting

**Jim McMillan (NREL), Jack Saddler
and Mahmood Ebadian (UBC)**

19-21 April 2020

The IEA Bioenergy Technology Collaboration Programme (TCP) is organised under the auspices of the International Energy Agency (IEA) but is functionally and legally autonomous. Views, findings and publications of the IEA Bioenergy TCP do not necessarily represent the views or policies of the IEA Secretariat or its individual member countries.

Meeting Agenda

Monday, 19 April 2021

10 minutes	General introduction, setting the scene, IEA Bioenergy Task 39 activities update, etc. (Jim McMillan)
Country Update Presentations	
10 minutes	Country Update - Australia (Steve Rogers)
10 minutes	Country Update - Japan (Shibahara Yuta)
10 minutes	Country Update - South Korea (Jin-Suk Lee)
10 minutes	Country Update - India (Ravi Gupta and Alok Satlewala)
10 minutes	Country Update - Austria (Dina Bacovsky)
10 minutes	Country Update - Denmark (Sune Tjalfe Thomsen)
10 minutes	Country Update - Germany (Franziska Müller-Langer)
10 minutes	Country Update - Ireland (Stephen Dooley)
10 minutes	Country Update - The Netherlands (Paul Sinnige)
10 minutes	Country Update - Norway (Duncan Akporiaye)
10 minutes	Country Update - Sweden (Tomas Ekbom)

Meeting Agenda

Tuesday, 20 April 2021

Country Update Presentations	
10 minutes	Country Update - European Commission (Adrian O'Connell and Nicolae Scarlet)
10 minutes	Country Update - Brazil (Glaucia Mendes Souza and Rubens Maciel Filho)
10 minutes	Country Update - The USA (Jim McMillan)
10 minutes	Country Update - Canada (Oshada Mendis)
10 minutes	Country Update - New Zealand (Paul Bennett or delegate)
Task 39 Project Updates	
15 minutes	Implementation agendas report (compare-and-contrast of biofuels policies) (Mahmood Ebadian)
15 minutes	Biofuels production and use status in non-IEA Bioenergy countries/emerging economies (Glaucia Mendes Souza and Rubens Maciel Filho)
15 minutes	LCA, sustainability of biofuels pathway to identify key metrics beyond GHG reduction, spanning both feedstocks and conversion technologies (Adrian O'Connell and Don O'Connor)
15 minutes	Progress in the production of drop-in biofuels (Jianping Su, Susan van Dyk and Jack Saddler)
10 minutes	Biojet fuel/SAF/decarbonization of the aviation sector (Susan van Dyk and Jack Saddler)

Meeting Agenda

Wednesday, 21 April 2021

Task 39 Project Updates, continued	
15 minutes	Feedstock-to-biofuel(s) supply chain analysis. Focus on CAPEX and OPEX cost reduction opportunities for advanced biofuels- proposed project for 2021 (Ravi Gupta and Alok Satlewala)
10 minutes	Update on Biofuels Demonstration Plants website (Dina Bacovsky)
20 minutes	Successes and lessons learned for conventional/advanced biofuels deployment (Franziska Müller-Langer and Tomas Ekbom)
15 minutes	Update on biofuels in marine shipping report/Issues affecting utilization of advanced biofuels in the marine sector (Sune Tjalfe Thomsen and Tor Ivan Simonsen)
40 minutes	Proposed work for the next triennium (Group Discussion)
10 minutes	Possible virtual/hybrid Task 39 business meetings in late 2021? (Group Discussion) Newsletters to be published in 2021: First half of 2021 - Ireland? Second half of 2021 - Norway?
10 minutes	Concluding remarks and wrap up (Jim McMillan and Jack Saddler)

1) IEA Bioenergy Task 39's activities since November 2020: virtual business meeting

- **December:** Jointly with the BC-SMART Biofuels Consortium, hosted a webinar entitled; **“Decarbonising the Marine Sector: Progress and Aspirations?”**. The panel was comprised of international leaders in the marine sector representing ports, shipping and logistics, lower carbon intensity fuel production and renewable fuel policy development.
- **December:** Published newsletter Issue #56.
 - ✓ “From the Task” section summarized Task 39’s November 2020 virtual meeting and joint workshop with Task 44
 - ✓ The feature article was **“India Biofuel economy roadmap- Challenges & Prospects”**
 - ➔ *Thanks to Ravi P. Gupta and his colleagues at Indian Oil Corporation for drafting this feature article!*

2) IEA Bioenergy Task 39's activities since November 2020 virtual business meeting

- **January** : Distributed **questionnaire** to Task 39 country representatives, to collect input on possible projects and dissemination activities that Task 39 could consider for the next triennium
- **February**: Held a virtual **“brainstorming session”** to discuss the collected feedback provided by Task 39 country representatives on possible projects and dissemination activities for the next trienniuma
- **February**: Prepared **draft Task 39 prolongation proposal** for the next triennium, **incorporating suggestions and ideas** shared in advance of and during the February Task 39 brainstorming session. This draft is distributed to Task 39 membership for review and comments and will be discussed at greater length later in the meeting.

3) IEA Bioenergy Task 39's activities since November 2020 virtual business meeting

- **February:** Distributed draft report entitled: “**Progress in commercialization of biojet /Sustainable Aviation Fuels (SAF): Technologies, potential and challenges**” to Task 39 country representatives for internal review and comments
- **March:** Distributed draft report entitled: “**Progress towards biofuels for marine shipping**” to Task 39 country representatives for internal review and comments
- **March:** Submitted Task 39's working prolongation proposal (“**Programme of Work for 2022-2024 triennium and budget spreadsheet**”) to IEA Bioenergy Executive Committee in advance of ExCo87 meeting in May.

Upcoming Meetings and Newsletters

Meetings

- Possible virtual/hybrid Task 39 business meetings in late 2021? (who might host, what would be the format/topics, who else might we invite, is there an opportunity to “piggy-back” with a related meeting, etc?)

Newsletters

- Early 2021: Lead article by Ireland
- Mid 2021: Lead article by Norway

Task 39 Budget Breakdown - 2020

Category	Sub-categories	Budget 2020 US\$	Committed 2020 US\$	Spent as of 12-31-2020 US\$
Salaries / benefits - Task Management		50,000	\$0	\$47,537
Salaries / benefits - Dissemination				\$0
Support Services				\$0
Materials / supplies				\$0
Travel		2,833	\$0	\$2,878
Other expenditure		1,000	\$87	\$913
Foreign currency conversion loss (CAD to USD)				\$121
Overhead		22,994	\$4,375	\$18,619
Projects / Subcontracts / Consultants				
NREL, Jim McMillan	TSA	19,922		\$19,922
Akporiaye, Ekbohm and McMillan	Techno-economic analysis (TEAs) of advanced biofuels	-		\$0
	Assess successes and lessons learned for conventional/advanced biofuels deployment	70,000		\$70,000
Müller-Langer and Ekbohm	Analyze biofuels production and use status in non-IEA countries/emerging economies	30,000		\$30,000
Mendes Souza, Filho and Cassinelli	Update of drop-in biofuels	20,000		\$20,000
Su and van Dyk	Update of biojet fuel/SAF, decarbonization of the aviation sector	20,000		\$20,000
Su and van Dyk	Update of Biofuels in Marine Shipping	45,000	\$45,000	\$0
Tjalfe Thomsen and Rodgers	Conduct feedstock-to-biofuel supply chain analysis to identify CAPEX and OPEX cost reduction opportunities	-		\$0
Task 43/Feedstocks	Review existing/proposed certifications used for oleochemical- and lignocellulosic-based biofuels supply chains	-		\$0
Sinnige, Knijn and Gerlagh	Update demoplant database	15,000		\$15,000
Bacovsky	Sustainability assessment of biofuels pathways; Identify key metrics beyond GHG reduction; span both feedstocks and conversion technologies	20,000	\$20,000	\$0
O'Connor, O'Connell, Staples, Bonomi, Wang	Implementation Agendas- Compare and contrast biofuels policies	25,000		\$25,000
Ebadian	Feedstock to Biofuels : Opportunities for advanced biofuels-supply chain analysis & reduction in CAPEX/OPEX	25,000	\$25,000	
Gupta-Indian Oil Corporation				
Total		366,749	\$94,462	\$269,989