

European Commission's Joint Research Centre (JRC) and IEA Bioenergy TCP Task 39

Joint Workshop

"Biofuels Sustainability - Focus on Lifecycle Analysis"

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

**16-17 May 2019
JRC, Ispra, Italy**

Thursday, 16 May 2019

	CLOSURE OF IEA Bioenergy TCP Task 39 Working Meeting [Participation restricted to Task 39 Members]
12h30	Light Lunch and Welcome of Workshop Experts
European Commission's Joint Research Centre (JRC) and IEA Bioenergy TCP Task 39 Joint Workshop "Biofuels Sustainability - Focus on Lifecycle Analysis"	
13h30	Opening Speech Update on EU Renewable Energy Directive Recast to 2030 (Adrian O'Connell/Laura Lonza, JRC) Rationale for the Workshop and Expected Outputs (Don O'Connor, GHGenius)
14h00	Biofuel Certification (moderator Don O'Connor, GHGenius) Sustainability certification under different jurisdictions (Norbert Schmitz, ISCC) Challenges of complex/integrated supply chains (Don O'Connor, GHGenius) Panel Discussion Industry perspectives on how regulation could adapt/improve
15h00	Coffee/tea break
15h30	Advanced biofuel developments: focus on co-processing (moderator Adrian O'Connell, JRC) Introduction; recent JRC work on LCA for co-processing (Adrian O'Connell, JRC) Transitions in the EU biodiesel industry - changes in feedstock types, changes in processing technology, work towards advanced fuels (Kristell Guizouarn, EBB) Developments in the 14C method for tracking the bio-component in fuels (Dave Slade, REG) Stand-alone vs co-processing set ups (Sylvain Verdier, Haldor-Topsoe) Developments in Liquid Scintillation Counting (LSC) 14C method for fuels (Ines Krajcar Bronic, Institut Ruđer Bošković Croatia) Neste perspectives and experiences in tracking bio-component in co-processed fuels (Sari Kuusisto, Neste) Panel Discussion Other perspectives on this issue from the assembled experts
17h00	Uncertainty in LCA (moderator Laura Lonza, JRC) Addressing uncertainties in the life-cycle assessment of biofuels and renewable fuels (Valentin Batteiger, Bauhaus Luftfahrt) LCA parameters which cause large deviations (Werner Weindorf, LBST)

	Panel Discussion Data gaps or improvement areas for fossil and/or biofuel chains
18h00	Wrap-up and close of meeting (Jack Saddler, UBC)
18h15	Transfer to hotel & informal dinner

Friday, 17 May 2019

8h30	Recap previous day's highlights/findings
8h45	Availability of Sustainable Feedstocks: complementarity vs competition (moderator Matteo Prussi, JRC) Search for novel feedstocks (Maiju Helin, UPM and RSB) Availability of Sustainable Feedstocks: complementarity vs competition (P. Marchand, TOTAL) Technological steps for MSW pre-treatment (Bruno Miller, Fulcrum – short presentation, will be made on Fulcrum's behalf) Perspectives and likely availabilities of novel feedstocks (Dave Slade, REG) Panel Discussion Do new demand sources (non-road transport modes) determine changes in feedstock or fuel production technology/Discussion on 1.5 generation feedstocks
10h30	Coffee
11h00	Drop-in fuels (moderator Monica Padella, JRC) Biojet HC fuels and intermediate products/ATJ routes (Jean-Philippe Héraud, IFPEN) New fuels for transportation and sustainable mobility (Massimo Trani, ENI) Uptake of drop-in fuels/Low Carbon Energy Observatory (Monica Padella/Adrian O'Connell, JRC) Panel Discussion Uptake of drop-in fuels: technological constraints (e.g. infrastructural needs), commercial constraints (e.g. uplifting contracts); status of technological providers
12h00	Light Lunch
13h00	Update on significant topics on LCA and sustainability On-going Task 39 studies in the sustainability/LCA area: next steps (Antonio Bonomi, CTBE) Suggested Task 39 2019-21 activities in the sustainability/LCA area (Jack Saddler/Jim McMillan, IEA Bioenergy TCP Task 39) Presentation from IEA Bioenergy TCP Task 45 "Climate and Sustainability Effects of Bioenergy within the broader Bioeconomy" (Stefan Majer, DBFZ) Panel Discussion

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	Other points of interest re: on-going and future IEA Bioenergy TCP Task 39 Studies in the sustainability/LCA area
14h20	Recap & Closure of Workshop
14h30	Buses