

## IEA Bioenergy Task 39

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

**Brainstorming Session (virtual) to discuss 2022-2024 Triennium Project suggestions**

**Tuesday, 10<sup>th</sup> August, 4:30-6pm CEST**

5 minutes	<p><b>General Introduction: Update of ExCo87 meeting in May; Summary of revisions in future POW (e.g. Task title, list of proposed projects), etc.</b></p> <p><b>The main purpose of this meeting is to further prioritize future projects, specifically to identify project champions, including possible “leveraging” of in-house activities, clarify participants/leads for Inter-Task projects, etc. (Tomas Ekbohm, Jim McMillan, Jack Saddler, Glauca Souza)</b></p>
30 minutes	<p><b>2019-2022 triennium projects (both Task 39 and InterTask) that are expected to continue in the coming triennium</b></p> <p>T39-T5: Phase 2- <b>Successes and Lessons Learned for Advanced Biofuel Technologies Commercialization (InterTask with Tasks 40 and 45) (Tomas-Sweden/Franziska-Germany)</b></p> <p>T39-P3: Review existing and proposed <b>Certifications for oleochemical and lignocellulosic-based biofuels and other potential renewable fuel supply chains</b>; identify certification scheme improvement opportunities <b>(Paul-Netherlands/Adrian-EU)</b></p> <p>T39-P4: Extend assessment on the status of <b>Biofuels in Emerging Markets</b> -potential for sustainable production and consumption <b>(Glauca-Brazil/Ravi-India)</b></p> <p>T39-P5: <b>Feedstock-to-biofuel supply chain analysis for cost reduction/financial risk reductions/TEA of advanced biofuels (Ravi-India/Glauca-Brazil/Franziska-Germany/Jim-US/Paul-The Netherlands)</b> (Link to Task 42 assessment methodology and Task 43 feedstocks)</p> <p>T39-T3: Update <b>Decarbonizing the Marine Sector (Sune-Denmark/Steve-Australia/Paul-NZ/Jack-Canada)</b></p> <p>T39-T4: Assessment of <b>Large-scale Demonstration Plants (Dina-Austria/Jim-US)</b></p> <p>T39-T2: <b>Decarbonisation Strategies for the Aviation Sector (Jack-Canada/Jim-US/ Duncan-Norway/Shibby - Japan)</b></p> <p>T39-P2: <b>Sustainability of Biofuels Pathways (LCA) (Don-Canada/Adrian-EC/Glauca-Brazil/Michael Wang-US)</b></p> <p>T39-T2: <b>Drop in biofuels/Co-Processing (possibly with Task 33 &amp;34) (Duncan-Norway/Adrian-EC/Paul-NZ/Jack-Canada/)</b></p> <p>T39-P1: <b>Biofuels Implementation Agendas: Policies Compare and Contrast</b> report covering member country policies and deployment successes <b>(Mahmood lead but contributions from all member countries)</b></p>



20 minutes	<p><b>Suggested projects that Task 39 might tackle in the coming triennium (that are not currently part of Task 39 activities during this triennium)</b></p> <p>T39-T7: Update on status of <b>Algal Biofuel Technologies</b> (US/Japan/Australia)</p> <p>T39-T10: <b>Conversion of wastes/co-products generated from 2G ethanol industry (to biogas, etc):</b> Reduction in OPEX and GHG emissions (US/India/Denmark/....)</p> <p>T39-T11: <b>Opportunities for, and key issues limiting, the efficient integration/use of advanced biofuels into existing infrastructure and engines for transport</b> (US/Brazil/Germany)</p> <p>T39-P6: <b>Cost/benefit Analysis and Comparison of Drop-in Biofuels</b> versus conventional ethanol/biodiesel biofuels and feedstock implications. Feedstock versus infrastructure integration challenges. (US/Brazil/Austria/Canada and possible collaboration with Task 43 (feedstock supply))</p> <p>T39-P7: Evaluate and recommend <b>policies for decarbonizing the international transport (e.g. aviation and marine sectors)</b> (Netherlands/Sweden/Brazil/Canada/Denmark/US...)</p>
15 minutes	<p><b>InterTask projects that Task 39 might participate in during the coming triennium</b></p>
	<p>T39-T8: <b>Synergies of green hydrogen and bioenergy deployment</b> (lead by Finland (Task44), but involvemant of Brazil, Germany, Austria, Canada, US,....)</p> <p>T39-T6: Assess the potential of <b>Electrofuels/power-to-fuels Technologies</b>, particularly their strategic relevance and potential to provide cost-competitive (Lead by Germany (Task 44) but of interest to Austria, Norway, ...)</p> <p>T39-T9: <b>Biogas as a Transportation Fuel</b> (Ireland/Sweden/Korea/..., collaboration with Task 37)</p> <p>Other?</p>
10 minutes	<p><b>Other suggestions for structure/function for next triennium?</b></p> <ol style="list-style-type: none"> <li>1) Organizational structure and possible subgroups, budget issues etc.</li> <li>2) Individual and consolidated country reports</li> <li>3) Other?</li> </ol>
5 minutes	<ol style="list-style-type: none"> <li>1) Location of next meeting (first half of 2022)</li> <li>2) Leads for next newsletters</li> <li>3) Other?</li> </ol>
5 minutes	<p><b>Meeting wrap-up</b> (Tomas/Glaucia/Jim/Jack)</p>