

TEAs of Advanced Biofuels Proposal development

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Potential Focus Areas

- Baseline of approaches, methodologies
 - Drop-in biofuels pathways
 - Focus on Co-processing in a broader sense
 - Link to Task 34's focus on Techno-economics of co-processing (Paul to follow up)
 - Access to reliable data
- Technology pathways
 - Address potential for reaching target volumes, scale of production
 - Link to cluster of refineries (BP, Neste, etc)
 - Link to Task 45 focus on sustainability related to feedstocks (Stefan Majer?)
 - Leverage H2020 INEA Advanced Biofuels project cluster
 - TEA workshop, Baseline cases, etc
- Impacts Barriers, etc
 - Certification and standards
 - Involve relevant agencies (California, Europe - JRC)
 - Logistics, Infrastructure
 - Uniqueness of individual production (refineries)
- Summary, Key issues, guidelines

Input to basis of Proposal

- Particular focus on drop-in biofuels
- Co-processing
 - In a broad sense
- Include feedstock/technology pathways
 - Volumes, scale
- Potential of Intertask cooperation IEA T45: linked to LCA/sustainability issues for advanced fuels, particularly feedstocks (Franziska input)
- Link to Task 43 (sustainability / Feedstock)
- Carbon intensity as basis
- Certification agencies (standards)
 - California
 - European (JRC)
- End Users (Vested Interests)
 - Airlines (Jack)
 - Marine
- Issues of infrastructure along the whole value chain?
- Uniqueness of individual production (refineries)
- JRC economists to be linked in
- Link to task 45/43
- Link to H2020 projects
- Link up to cluster of refineries
 - BP, Neste, etc
- Link to Task 34
 - Techno-econ of co-processing

TEAs of Advanced Biofuels

- Potential participants
 - SINTEF, Duncan Akporiaye++
 - DBFZ, Franziska Müller-Langer, (KIT)
 - SVEBIO, Tomas Ekbom
 - JRC (Techno economics)
 - T45
 - Others?

Biofuel plant techno-economic assessment

- Planned for February 2020, Milan, Italy
- 10+ Running H2020 EU Projects (Total funding of 60 – 100 MEUR)

