

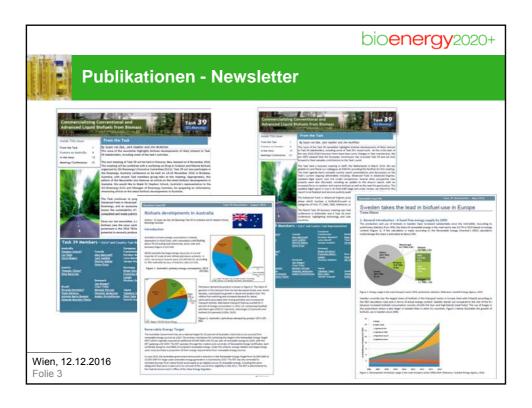
### **Current triennium 2016-2018**

- Members (14) Australia, Austria, Brazil, Canada, Denmark, European Commission, Germany, Japan, Netherlands, New Zealand, South Africa, South Korea, Sweden, USA
- Priorities for new/renewed membership:
   China, India, Italy, Finland, Thailand, Norway

Wien, 12.12.2016

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### Task 39 Berichte in Bearbeitung

- Potential for Algal Biofuels Production
- Assessment of LCA tools and models with respect to biofuels and their sustainability
- Advanced fuels in advanced engines in cooperation with AMF Annex 52 "Fuels for Efficiency"
- Review the status of advanced biofuels demonstration and commercial facilities
- Biofuels in Shipping
- Biofuels in China

Wien, 18.3.2016 Folie 4





### **Geplante weitere Arbeiten**

- Update of drop-in report, specifically focusing on aviation and maritime fuels
- Definitions and terminology of biofuels
- Update to implementation agendas
- Newsletter mit Schwerpunkt Österreich

Wien, 12.12.2016 Folie 5



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### Mögliche weitere Themen

- Kooperation mit Task 42 zu Bioraffinerien und Biotreibstoffen als Workshop im Mai 2017
- Fortsetzung der Zusammenarbeit mit AMF
- Generation 1,5 Biotreibstoffe (mit China und Task 43)

Wien, 12.12.2016

Folie 6

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### Teilnahme an internationalen Vernetzungsaktivitäten

- EBTP Stakeholder Plenary Meeting
- Eco-Mobility Conference
- Workshop Drop-In Biofuels for Marine and Aviation
- Bioenergy Australia Conference
- Biomass4Growth Workshop
- SET-Plan Conference

Wien, 12.12.2016 Folie 7



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## bio**energy**2020+

### Vernetzung in Österreich

- Email-Newsletter
- Nationaler Workshop Biotreibstoffe
  - 29.9.2016, bmvit, Wien
  - ~40 Teilnehmer
  - Programmpunkte:
    - Biotreibstoffproduktion und -verwendung in Ö
    - Österreichische Technologieanbieter
    - Neues aus der Forschung in Ö
    - Taskbeiträge
  - Task 33, 37, 39, 40, 42 und ExCo vertreten

Wien, 12.12.2016 Folie 8





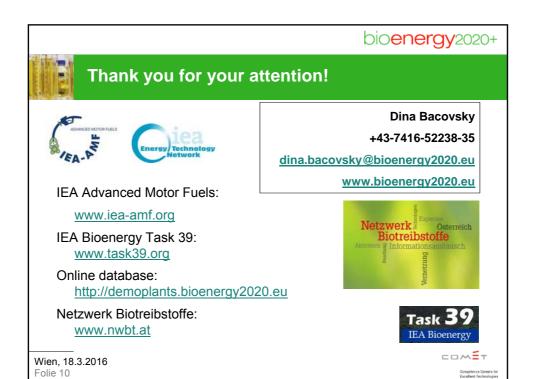
### **Upcoming meetings**

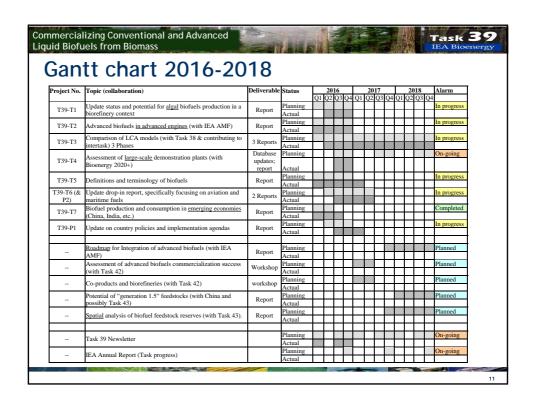
- West Coast USA In association with 39th SBFC in San Francisco, May 1-4, 2017
- Gothenburg, Sweden (mid May 2017) in conjunction with Advanced Biofuel Conference & ExCo
- Late 2017 Austria?
- Early 2018 China?
- Late 2018 USA in conjunction with ExCo

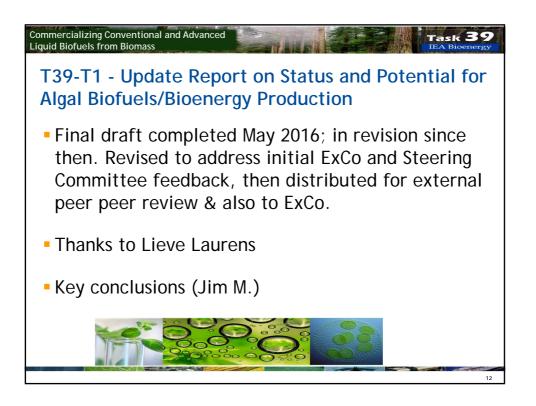
Wien, 12.12.2016



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## T39-T2 - Survey on Advanced Fuels for Advanced Engines

- Progress report Franziska Mueller-Langer/Norbert Grope via videolink
- Project leaders Jurgen Krahl /Franziska Mueller-Langer
- A global survey on different biofuel qualities (current and advanced)
  - WP1 Relevant non-technical framework
  - WP2 Most relevant advanced biofuels for road transport
  - WP3 Fuel properties of advanced biofuels
  - WP4 Chemical reactions among advanced fuel components & additives
  - WP5 Known health effects
- Draft report to be completed November 2016

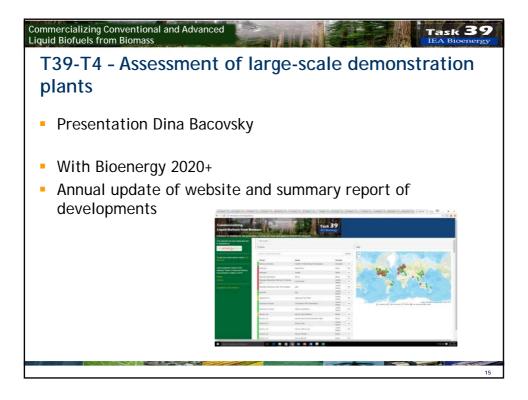
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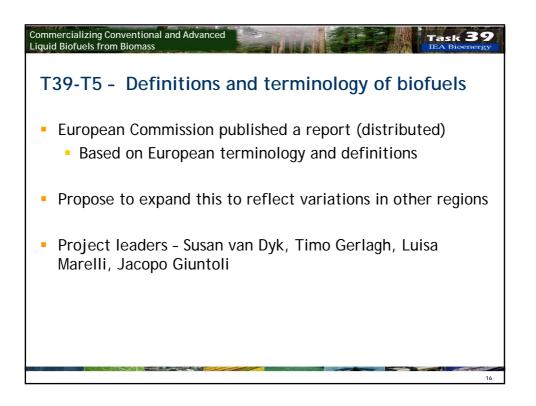
### Commercializing Conventional and Advanced Liquid Biofuels from Biomass Liquid Biofuels from Biomass

### T39-T3 - Comparison of Biofuel Life Cycle Assessment Tools - Progress report

- Project leaders: Antonio Bonomi (CTBE, T39); Helena Chum (NREL, T38)
- CTBE, NREL and IEA Bioenergy Tasks 38 & 39
- Phase 1 ((2016) completed Assessment of sugarcane ethanol (sugarcane from Brazil, processing in Brazil), corn ethanol (corn from United States, processing in the United States), and wheat ethanol (wheat from Europe, processing in Europe).
- Key conclusions (Antonio B.)
- Deliverables
- Phase 2 (2017) FAME biodiesel and renewable diesel

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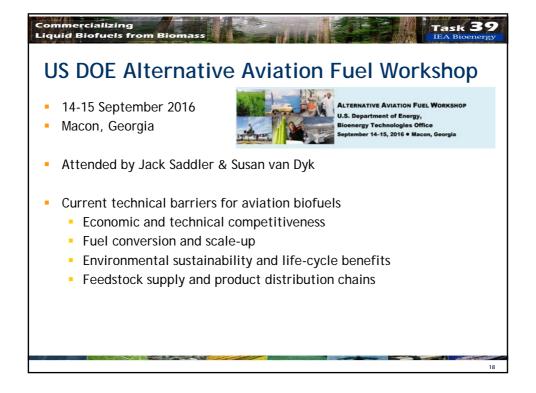




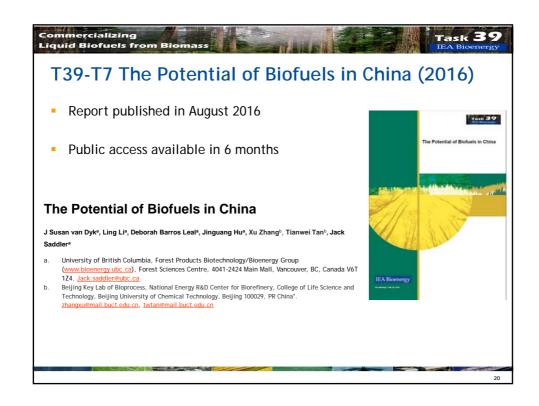
- Retain structure of previous drop-in report, updating information in each section based on recent reports/publications/conferences (less than 3 years old).
  - In progress
- Information on companies will be updated, new companies and proposed construction of pilot/demonstration/commercial facilities will be added.
- New subsection on the aviation sector will also be added
- Should we add a specific section on policy? Or put such content in a separate report?



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# T39-T7 The Potential of Biofuels in China Highlights - key conclusions

- Strong energy security and climate drivers
- But food security a significant concern due to a large population and limited land availability
- Current production

Commercializing

- bioethanol 3 billion litres per year
- biodiesel 1.14 billion litres per year
- Future targets 2020
  - bioethanol 12.7 billion litres per year
  - biodiesel 2.3 billion litres per year
- Unlikely that 2020 targets will be met
- Greater focus on wind and solar, with electric vehicles for transport
- No national program focused on R,D&D in this area

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