

**IEA Bioenergy**  
**Task 39**

# Commercializing 1<sup>st</sup>- and 2<sup>nd</sup>- Generation Liquid Biofuels from Biomass



## 2<sup>nd</sup> National IEA Bioenergy Task 39 „Liquid Biofuels“ Workshop “Transport Biofuels Research in Austria”

9th September, 8:30 - 18:00  
OMV Aktiengesellschaft, Otto-Wagner-Platz 5, A-1090 Wien

### 08:30 Setting the Stage

|                    |   |
|--------------------|---|
| W. Böhme, OMV      | Welcome   |
| J. Spitzer, JR     | IEA Bioenergy   |
| T. Zillner, BMVIT  | Biofuels R&D  |
| R. Wurm, BMLFUW    | Task Force “Renewable Energy”   |
| A. Dorda, BMVIT    | The European Biofuels Technology Platform   |
| B. Heinze, BFW     | Biofuels-related activities of the European Technology Platform Plants for the Future |
| M. Greimel, BMLFUW | Forest based Sector Technology Platform - Liquid biofuel related actions              |

### 10:00 Coffee Break

### 10:30 Feedstock and Sustainability

|                                   |   |
|-----------------------------------|---|
| G. Fischer, IIASA                 | Biofuel production potentials in Europe - sustainable use of cultivated land and pastures |
| M. Mittelbach, KFU Graz           | Innovative biofuels feedstock   |
| H. Haberl, Alpen Adria University | Biomass, bio-energy and terrestrial ecosystems: a global perspective                      |
| H. Bach, BMLFUW                   | Negotiation status of the EU directives on renewable energies and fuel quality            |
| N. Bird and S. Woess, JR          | Biofuels: the relationship with greenhouse gases in agriculture and forestry              |
| G. Jungmeier, JR                  | LCA of biofuels   |
|                                   | <i>Discussion</i>   |

### 12:30 Lunch Break

### 13:30 Innovative Technologies

|                       |   |
|-----------------------|---|
| H. Fröhwrth, BDI      | Micro algae as future energy source - investigation of algae cultivation and biodiesel production |
| A. Jäger, FH Wels     | 2nd generation ethanol / ethanol from straw   |
| A. Giovannini, MCI    | Bioethanol and biogas co-generation   |
| K. Fackler, TU Vienna | Biomimetic pretreatment – a new approach to increase lignocellulose accessibility for enzymes     |
| A. Friedl, TU Vienna  | Combined biogas and ethanol production  |
| M. Harasek, TU Vienna | Biogas upgrading  |
| K. Giannakopoulou, JR | Low pressure, catalytic conversion of biomass into biofuels                                       |
| R. Rauch, TU Vienna   | BioFIT&BioSNG R&D&D   |
|                       | <i>Discussion</i>   |

### 16:00 Coffee Break

### 16:30 Biofuels Utilisation

|                       |   |
|-----------------------|---|
| M. Urbanek, TU Vienna | Application of bioethanol blends in a motor vehicle                       |
| M. Kloess, TU Vienna  | Market potentials of alternative vehicles and fuels in Austria up to 2050 |
| L. Kranzl, TU Vienna  | Long term bioenergy scenarios in Austria                                  |
| K. Könighofer, JR     | Eyes on the track, mind on the horizon - A European road map for biofuels |
|                       | <i>Discussion</i>   |

17:45 M. Wörgetter, FJ-BLT Closing Remarks

18:00 End

### Poster sessions during breaks:

Austrian biofuels highlights in IEA Bioenergy



| First Name  | Name           | Organisation  |
|-------------|----------------|---|
| Heinz       | Bach           | BMLFUW  |
| Dina        | Bacovsky       | Austrian Bioenergy Centre GmbH  |
| Franz Josef | Bär            | BMW   |
| Neil        | Bird           | Joanneum Research, Institut für Energieforschung  |
| Jürgen      | Blassnegger    | TU Graz, Inst. f. Verbrennungskraftmaschinen u. Thermodynamik                             |
| Walter      | Böhme          | OMV AG  |
| Rudolf      | Braun          | IFA Tulln, BOKU   |
| Josef       | Breinesberger  | Agrar Plus BeteiligungsgmbH   |
| Christoph   | Brunner        | Joanneum Research, NTS  |
| Dirk Peter  | Claassen       | ALPPS Fuel Cell Systems GmbH  |
| Michal      | Dallos         | Austrian Bioenergy Centre GmbH  |
| Philipp     | Dedl           | Technische Universität Wien, Institut für Verbrennungskraftmaschinen und Kraftfahrzeugbau |
| Andreas     | Dorda          | BMVIT   |
| Martin      | Dusek          | Accenture GmbH  |
| Alfred      | Ecker          | CEF Clean Energy Fuel   |
| Ortwin      | Ertl           | ANNIKI  |
| Karin       | Fackler        | TU Wien, Institut f. Verfahrenstechnik  |
| Dieter      | Feytag         | Godiver   |
| Günther     | Fischer        | IIASA   |
| Anton       | Friedl         | TU Wien, Institut f. Verfahrenstechnik  |
| Heike       | Frühwirth      | BDI Biodiesel International AG  |
| Kanellina   | Giannakopoulou | Joanneum Research, NTS  |
| Aldo        | Giovannini     | Management Center Innsbruck   |
| Martin      | Greimel        | BMLFUW  |
| Dietmar     | Grüll          | Zuckerforschung Tulln GmbH  |
| Helmuth     | Haberl         | Institute of Social Ecology, Alpen Adria Universität, Vienna, Austria                     |
| Michael     | Harasek        | TU Wien, Institut f. Verfahrenstechnik  |
| Katharina   | Harlander      | Vogelbusch  |
| Berthold    | Heinze         | Bundesforschungszentrum für Wald, Institut für Genetik                                    |
| Alexander   | Jäger          | FH Wels   |
| Gerfried    | Jungmeier      | Joanneum Research, Institut für Energieforschung  |
| Dieter      | Karner         | OMV Refining & Marketing GmbH   |
| Roland      | Kirchmayr      | IFA Tulln, BOKU   |
| Maximilian  | Kloess         | TU Wien, Energy Economics Group   |
| Kurt        | Könighofer     | Joanneum Research, Institut für Energieforschung  |
| Lukas       | Kranzl         | TU Wien, Energy Economics Group   |
| Lukas       | Maier          | Agrana  |
| Karin       | Mairitsch      | Text und Bild   |
| Elvis       | Makic          | AGRANA Bioethanol GmbH  |
| Martin      | Mittelbach     | Karl Franzens Universität Graz, Institut für Chemie                                       |
| Ewald-Marco | Münzer         | Biodiesel Vienna  |
| Michael     | Paula          | BMVIT   |
| Kurt        | Pollak         | OMV AG  |
| Silvia      | Prieler        | IIASA   |
| Reinhard    | Rauch          | TU Wien, Institut f. Verfahrenstechnik  |
| Markus      | Schinerl       | Umwelt- und Nachhaltigkeitsberatung   |
| Josef       | Schweiger      | Saatbau Linz  |
| Josef       | Spitzer        | Joanneum Research, Institut für Energieforschung  |
| Gabriela    | Telias         | A3PS  |
| Reinhard    | Thayer         | ARGE Biokraft   |
| Michael     | Urbanek        | Technische Universität Wien, Institut für Verbrennungskraftmaschinen und Kraftfahrzeugbau |
| Marnik      | Wastyn         | Zuckerforschung Tulln GmbH  |
| Ralf        | Winter         | Verkehr, Lärm & Umweltmanagement  |
| Susanne     | Woess-Gallasch | Joanneum Research, Institut für Energieforschung  |
| Manfred     | Wörgetter      | HBLuFA Francisco Josephinum, BLT Wieselburg   |
| Robert      | Wurm           | BMLFUW  |
| Wolfgang    | Zauner         | CNH Österreich GmbH   |
| Theodor     | Zillner        | BMVIT   |
| Johann      | Zimmermann     | Landwirtschaftskammer Österreich  |