

## International Energy Agency

[www.iea.org](http://www.iea.org)

The International Energy Agency is the energy forum for 27 industrialised countries. IEA member governments are committed to taking joint measures to meet oil supply emergencies. They also have agreed to share energy information, to co-ordinate their energy policies and to co-operate in the development of rational energy programs that ensure energy security, encourage economic growth and protect the environment. These provisions are embodied in the Agreement on an International Energy Programme, the treaty pursuant to which the Agency was established in 1974.



## Task 29 [www.task29.net](http://www.task29.net)

### **Socio-Economic Drivers in Implementing Bioenergy Projects**

Countries: Austria, Canada, Croatia, Ireland, Japan, Norway, UK  
Task Leader: Keith Richards, TV Energy Ltd, UK

Austrian Delegate: Reinhard Madlener, Sustainable Europe Research Institute



## IEA Bioenergy [www.ieabioenergy.com](http://www.ieabioenergy.com)

IEA Bioenergy is one of more than 40 **Implementing Agreements** under the Energy Technology Office of IEA. These international collaborations function within IEA collaborative framework enabling experts from different countries by working jointly on RD&D and information dissemination and sharing results.

Bioenergy resources such as forestry and agriculture crops, biomass residues and wastes already provide about 14% of the world's primary energy supplies. Bioenergy offers cost-effective and sustainable opportunities with the potential to meet 50% of world energy demands during the next century and at the same time meet the requirement of reducing carbon emissions from fossil fuels.

## IEA Bioenergy Tasks

The work of IEA Bioenergy is carried out through a series of Tasks, each having a defined work program. Each participating country pays a modest financial contribution toward administrative requirements, shares the costs of managing the Tasks and provides in-kind contributions to fund participation of national personnel in the Tasks. The scope of the work undertaken within IEA Bioenergy is shown above. Each Task is led by one of the participating countries (Operating Agent) with technical effort coordinated by a Task Leader. The work is directed by the Executive Committee, to which the Austrian Delegate is Josef Spitzer, Joanneum Research.

13 Tasks are currently active, 8 of which are related to Biofuels and are listed adjoining.

## Task 33 [www.ieatask33.org](http://www.ieatask33.org)

### **Thermal Gasification of Biomass**

Countries: Austria, Canada, Denmark, Finland, Germany, the Netherlands, New Zealand, Sweden, Switzerland, USA, and the EC

Task Leader: Suresh Babu, Gas Technology Institute, USA

Austrian Delegate: Hermann Hofbauer, TU Vienna

## Task 34 [www.pyne.co.uk](http://www.pyne.co.uk)

### **Pyrolysis of Biomass**

Countries: Germany (participates through the EC), Norway, USA and the EC (14 members)

Task Leader: Tony Bridgwater, Aston University, UK

Austrian Contact Person: Maximilian Lauer, Joanneum Research

## Task 37 [www.iea-biogaz.net](http://www.iea-biogaz.net)

### **Energy from Biogas and Landfill Gas**

Countries: Austria, Canada, Denmark, Finland, France, Germany, the Netherlands, Sweden, Switzerland, and the EC

Task Leader: Arthur Wellinger, Nova Energie GmbH, Switzerland

Austrian Delegate: Rudolf Braun, IFA Tulln

## Task 38 [www.ieabioenergy-task38.org](http://www.ieabioenergy-task38.org)

### **Greenhouse Gas Balances of Biomass and Bioenergy Systems**

Countries: Australia, Austria, Belgium, Croatia, Finland, Germany, Sweden, USA

Task Leader: Neil Bird, Joanneum Research, Austria

Austrian Delegate: Susanne Woess-Gallasch, Joanneum Research

## Task 39 [www.task39.org](http://www.task39.org)

### **Commercialising 1st and 2nd Generation Liquid Biofuels from Biomass**

Countries: Austria, Austria, Canada, Denmark, Finland, Germany, Ireland, Japan, the Netherlands, Norway, South Africa, Sweden, UK, USA and the EC

Task Leader: Jack Saddler, UBC, Canada

Austrian Delegate: Manfred Wörgetter, FJ-BLT Wieselburg

## Task 40 [www.bioenergytrade.org](http://www.bioenergytrade.org)

### **Sustainable International Bioenergy Trade - Securing Supply and Demand**

Countries: Austria, Belgium, Brasil, Canada, Finland, Germany, Japan, The Netherlands, Norway, Sweden, UK, USA, FAO

Task Leader: Andre Faaij, Utrecht University, Netherlands

Austrian Delegate: Lukas Kranzl, TU Vienna

## Task 42

[www.biorefinery.nl/ieabioenergy-task42](http://www.biorefinery.nl/ieabioenergy-task42)

### **Biorefineries: Co-production of Fuels, Chemicals, Power and Materials from Biomass**

Countries: Austria, Canada, Denmark, France, Germany, The Netherlands, EC.  
Task Leader: Ed de Jong, Avantium Technologies BV, Netherlands

Austrian Delegate: Gerfried Jungmeier, Joanneum Research

### Biomass Resources

Conventional forestry  
Short rotation forestry  
Agricultural crops and residues  
Oil-bearing plants  
Municipal solid waste  
Industrial waste

### Supply Systems

Harvesting, collection, handling and storage

### Conversion

Biochemical

Thermochemical

Physical/Chemical processes

### End Products

Transportation fuels

Heat  
Electricity

Solid fuels

Integrating research themes across the value chain: environmental and economic sustainability, system studies, fuel standards, greenhouse gas balances, barriers to deployment, management decision support systems