

Neueste Entwicklungen in IEA Bioenergy

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Inhalt

- **Organisation, österreichische Beteiligung**
- **Ziele und Produkte von IEA Bioenergy**
- **Neue Entwicklungen**

Organisation

- Grundlage ist das „Bioenergy Implementing Agreement“ der IEA (verlängert bis 2014)
- Die F&E- und umsetzungsbezogenen Aktivitäten werden in 12 „Tasks“ durchgeführt
- Steuerung, Budgetverwaltung und Koordination
 - Executive Committee
 - Secretariat
 - Technical Coordinator (neu)

Teilnehmer an IEA Bioenergy (22)

- Australia
- Austria
- Belgium
- Brazil *
- Canada
- Croatia *
- Denmark
- European Commission
- Finland
- France
- Germany
- Italy
- Ireland
- Japan
- Netherlands
- New Zealand
- Norway
- South Africa *
- Sweden
- Switzerland
- United Kingdom
- United States
- Korea - invited
- Turkey - invited

Organisation in Österreich

- Österreich ist seit 1978 Mitglied in IEA Bioenergy und nimmt an 7 der 12 Tasks teil
- Förderung der Teilnahme durch BMVIT, Abwicklung durch FFG
- JOANNEUM RESEARCH unterstützt BMVIT
 - Informationsveranstaltungen und -verbreitung
 - Sitzungen des Executive Committees
 - Kontakt zum Secretariat

Österreichische Beteiligungen

- **Task 32: Biomass Combustion and Co-firing**
OA: Niederlande; TL: J. Koppejan; TN: 12; NTL: Ingwald Obernberger
- **Task 33: Thermal Gasification of Biomass**
OA: USA; TL: R. Bain; TN: 11; NTL: Reinhard Rauch
- **Task 37: Energy from Biogas and Landfill Gas**
OA: EC; TL: D. Baxter; TN: 13; NTL: Rudolf Braun
- **Task 38: Greenhouse Gas Balances of Biomass and Bioenergy Systems**
OA: Österreich; TL: Neil Bird; TN: 9; NTL: Susanne Wöss-Gallasch
- **Task 39: Commercialising 1st and 2nd Generation Liquid Biofuels**
OA: Kanada; TL: J. Saddler; TN: 14; NTL: Manfred Wörgetter
- **Task 40: Sustainable International Bioenergy Trade**
OA: Niederlande, TL: A. Faaij, TN: 13; NTL: Lukas Kranzl
- **Task 42: Biorefineries: Co-production of Fuels, Chemicals, Power ...**
OA: Niederlande; TL: E. de Jong; TN: 12; NTL: Gerfried Jungmeier, Michael Mandl

Strategic Plan

Vision:

- Substantial bioenergy contribution to future global energy demands
- Increased security of supply
- Reducing greenhouse gas emissions

Mission:

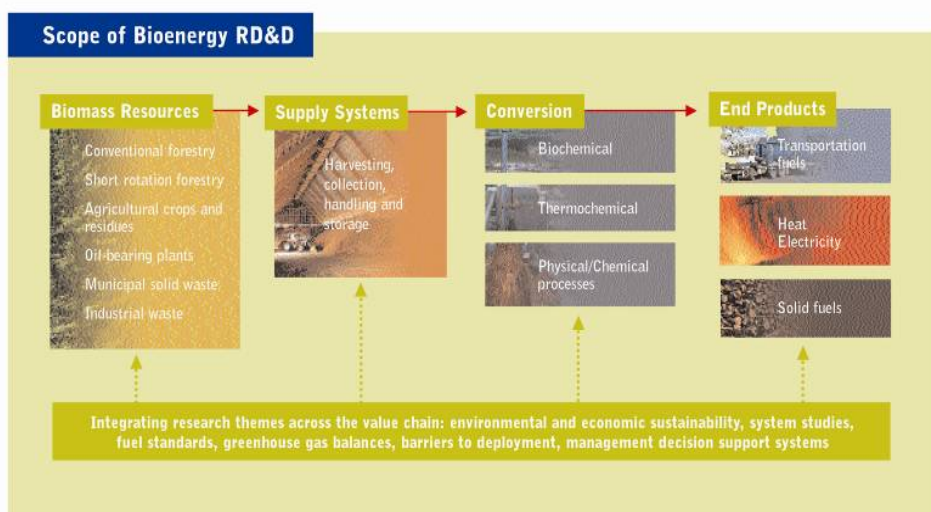
- Commercialisation and market deployment of environmentally sound, socially acceptable, and cost-competitive bioenergy
- Advise policy and industrial decision makers

Strategy:

- Provide an international forum for sharing information and developing best practices
- Produce authoritative information on key strategic issues affecting deployment

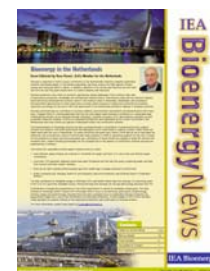
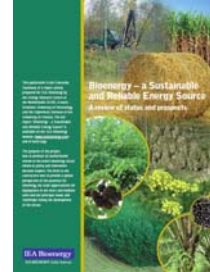


Themen von IEA Bioenergy



Allgemeine Publikationen

- Strategic position papers
- Annual Reports
- Newsletters (vierteljährlich)



<http://www.ieabioenergy.com>

Strategic Workshops

- Co-utilisation of biomass with fossil fuels
- Integrated waste management and utilisation of the products for energy
- Availability of biomass resources
- The biorefinery concept
- Biofuels for transport - part of a sustainable future
- Bioenergy – the impact of indirect land use change
- Algae the future for Bioenergy?



Entwicklungen 2004 – 09 (1)

- ▶ **Membership:** South Africa, Germany joined; Korea and Turkey invited; Chile in discussion
- ▶ **New Tasks:**
 - Task 40: Sustainable Bioenergy Trade
 - Task 41: Bioenergy Systems Analysis
 - Task 42: Biorefineries
 - Task 43: Biomass Feedstocks (one Task!)
- ▶ **ExCo Workshops:** one day of each meeting for a technical workshop on a topic of high priority, including external contributions, proceedings are formally published



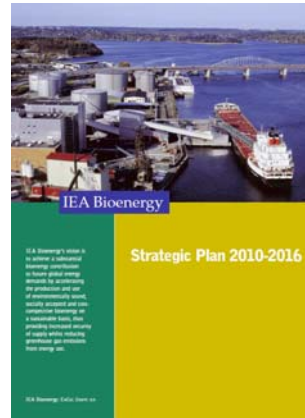
Entwicklungen 2004 – 09 (2)

- ▶ **Technical Coordinator:**
 - Response to requests from 'outside'
 - Coordination between Tasks and ExCo
 - Link between Tasks
- ▶ **Strategic Fund:** 10% of the Task funds for ExCo specified work to increase the policy-relevant outputs (US\$128,000/a)
- ▶ **Strategic Outputs:** 6 publications produced, 5 more in process



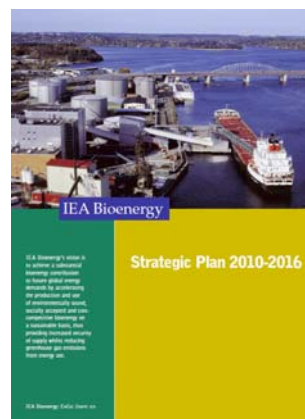
New Strategic Plan (1)

- The strong technology platforms and networks will continue.
- A more strategic and proactive approach to the provision of policy advice, bioenergy deployment, and communication will be taken.



New Strategic Plan (2)

- The most pressing issues for future work:
 - sustainability issues
 - the impact of bioenergy on land use change
 - R&D needs and priorities for new technologies
 - evaluation of new conversion technologies and crops
 - practical implementation of bioenergy systems



Nutzen der österreichischen Beteiligung

- Internationaler Wissensaustausch für die österreichische F&E
- Internationale Verbreitung der Ergebnisse der österreichischen F&E
- Anbahnung internationaler F&E-Projekte
- Aufbau von Kontakten österreichischer Unternehmen zu internationalen Firmen

