Begrüßung und Übersicht

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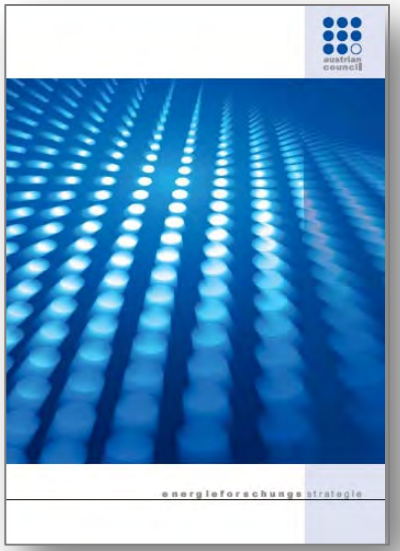
Martina Ammer

23. Okt. 2012

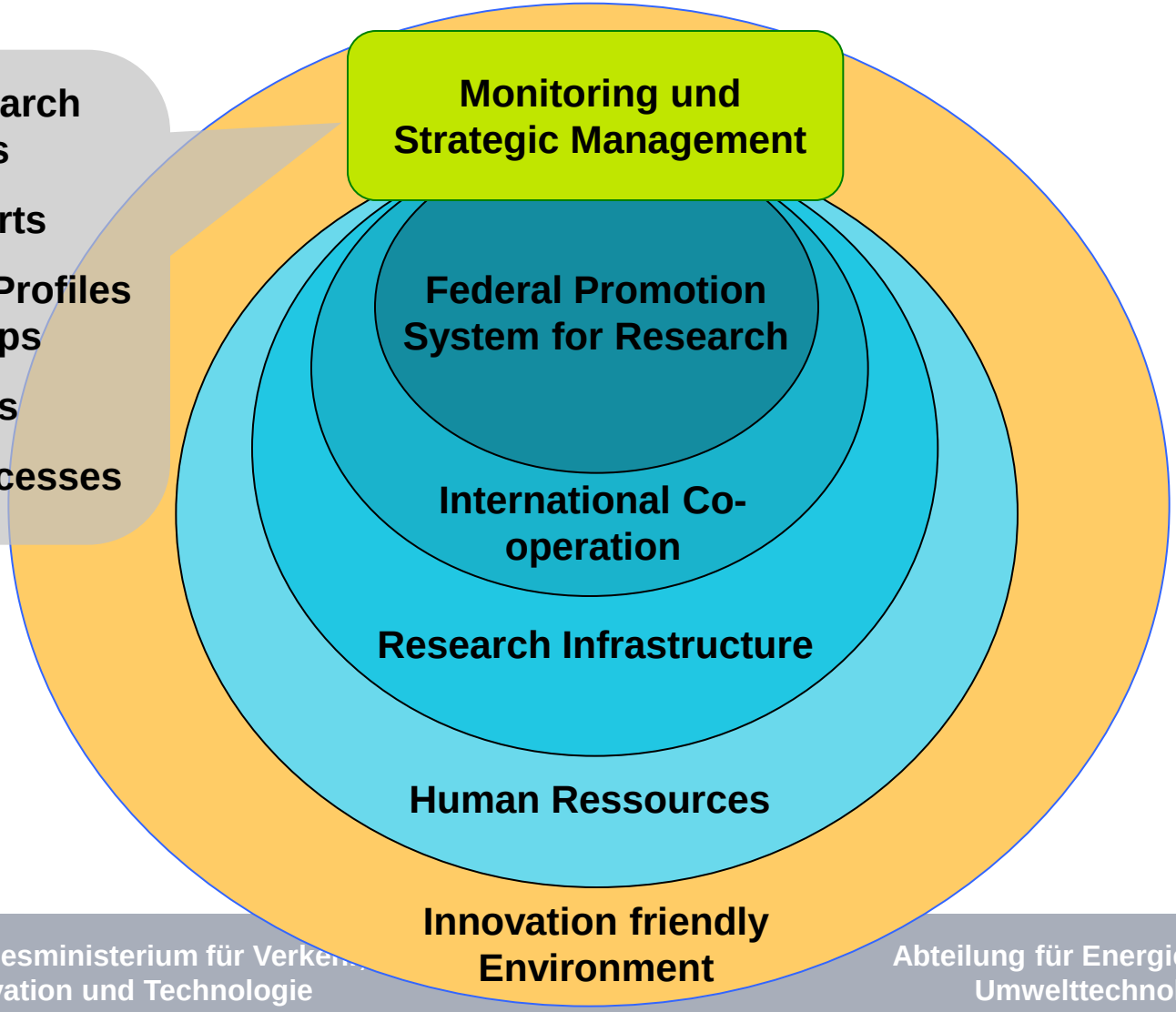
Rahmenbedingungen für Energieforschung in Österreich

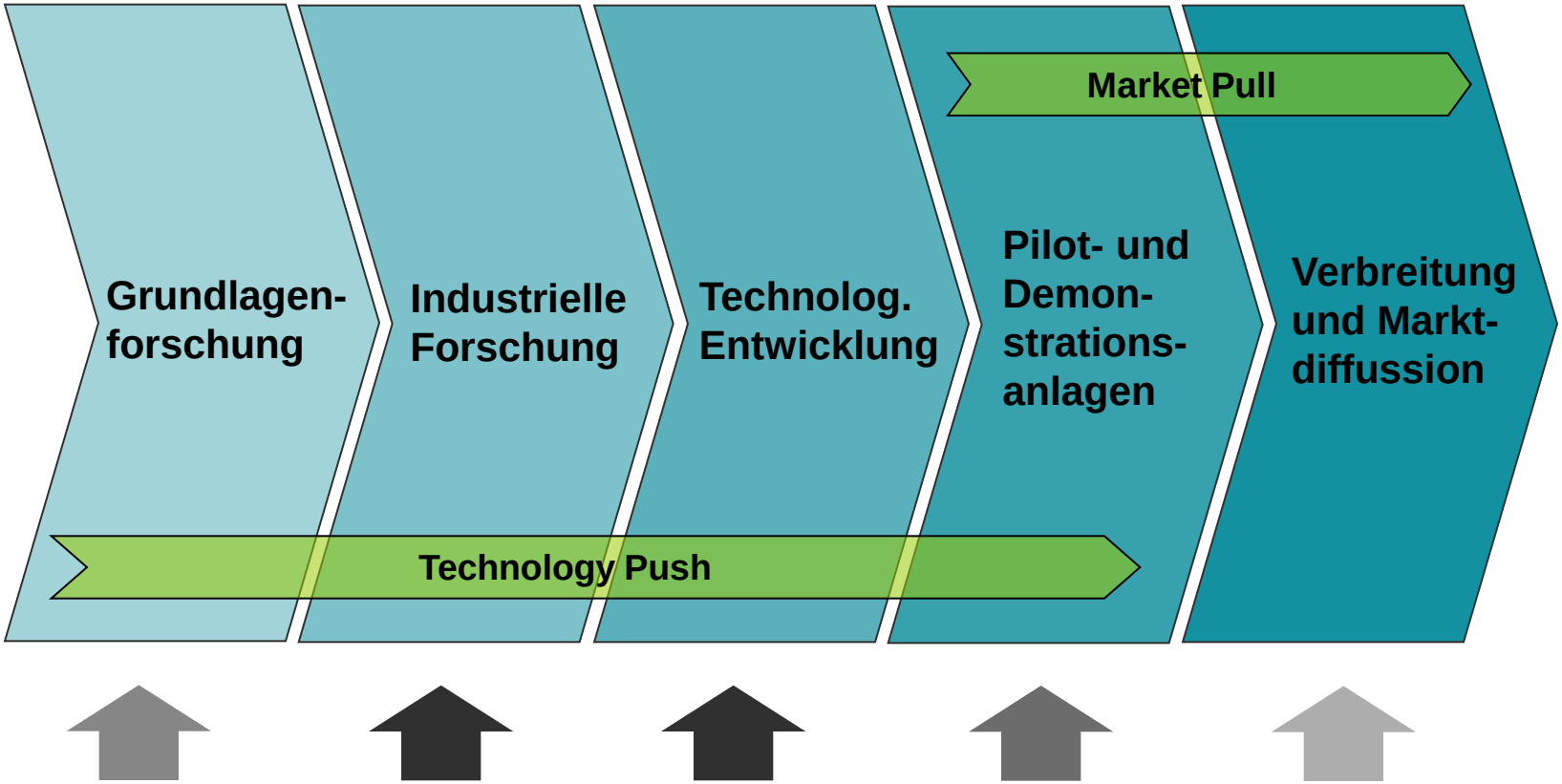


Öffentliche Ausgaben für Energieforschung: ~ 120 Mio. EUR

Rahmenbedingungen für Energieforschung in Österreich

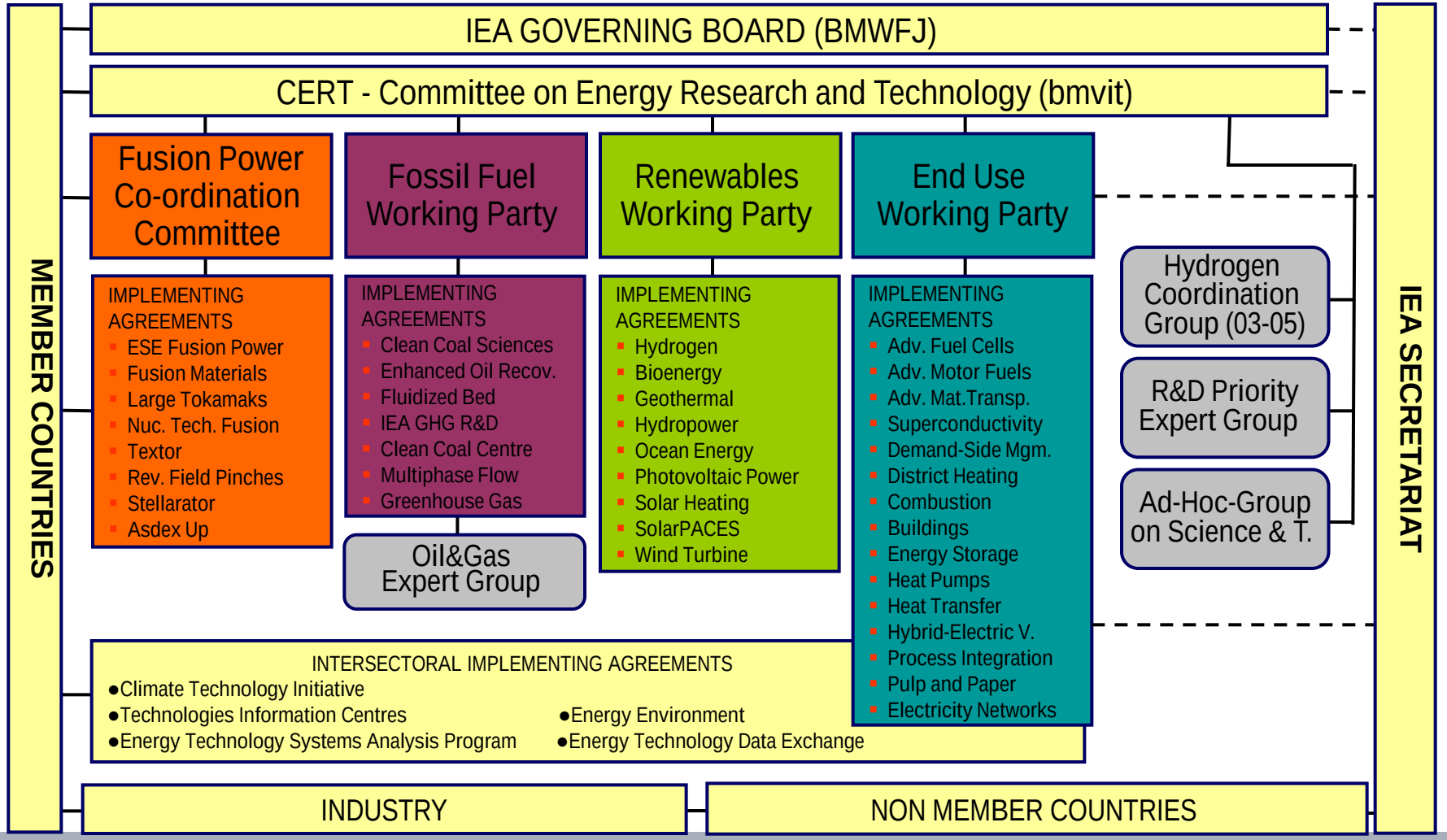
- Energy Research Expenditures
- Market Reports
- Technology Profiles and Roadmaps
- Expert panels
- Strategy processes

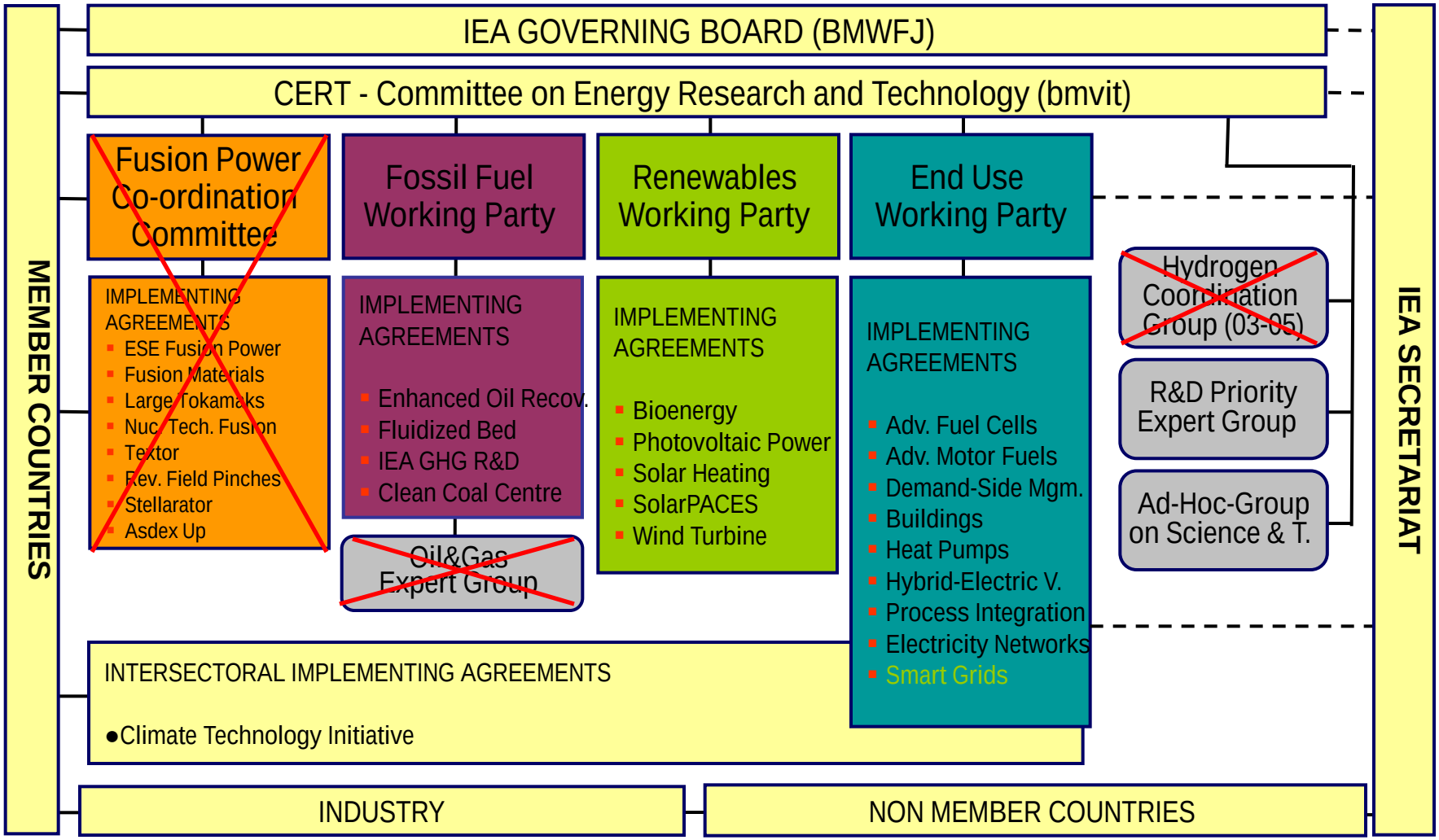




Komplexe Innovationsstrategien brauchen adäquate Förderinstrumente

Struktur IEA Forschung




MEMBER COUNTRIES
IEA GOVERNING BOARD (BMWFJ)
CERT - Committee on Energy Research and Technology (bmvit)
Fusion Power Co-ordination Committee
Fossil Fuel Working Party
Renewables Working Party
End Use Working Party
IMPLEMENTING AGREEMENTS
ESE Fusion Power
Fusion Materials
Large Tokamaks
Nuc. Tech. Fusion
Textor
Rev. Field Pinches
Stellarator
Asdex Up
IMPLEMENTING AGREEMENTS
Enhanced Oil Recov.
Fluidized Bed
IEA GHG R&D
Clean Coal Centre
Oil&Gas Expert Group
IMPLEMENTING AGREEMENTS
Bioenergy
Photovoltaic Power
Solar Heating
SolarPACES
Wind Turbine
IMPLEMENTING AGREEMENTS
Adv. Fuel Cells
Adv. Motor Fuels
Demand-Side Mgm.
Buildings
Heat Pumps
Hybrid-Electric V.
Process Integration
Electricity Networks
Smart Grids
Hydrogen Coordination Group (03-05)
R&D Priority Expert Group
Ad-Hoc-Group on Science & T.
INTERSECTORAL IMPLEMENTING AGREEMENTS
●Climate Technology Initiative
INDUSTRY
NON MEMBER COUNTRIES
IEA SECRETARIAT

Fossil Fuel Working Party (T. Zillner, bmvit)

- Enhanced Oil Recovery (T. Clemens, OMV)
- Fluidised Bed Conversion (F. Winter, TU-Wien)
- IEA Green House Gas R&D (T. Zillner, bmvit)
- Clean Coal Centre (A. Aumüller, EVN)

Renewables Working Party (A. Indinger, AEA)

- **Bioenergy (J. Spitzer)**
  - Task 32: Biomass Combustion & Co-firing (I. Obernberger, TU-Graz)
  - Task 33: Thermal Gasification of Biomass (R. Rauch, TU-Wien)
  - Task 37: Biogas (G. Bochmann, BOKU-IFA Tulln)
  - Task 38: Green House Gas Balances (S. Woess-Gallsch, JR)
  - Task 39: Liquid Biofuels (M. Wörgetter, Bioenergy 2020+)
  - Task 40: Sustainable Int. Bioenergy Trade (L. Kranzl, TU-Wien)
  - Task 42: Biorefinery (G. Jungmeier, JR)
- **Photovoltaic Power (H. Fechner, AIT)**
  - Task 1: Exchange & Dissemination (R. Bründlinger, AIT)
  - Task 10: Urban Scale Grid connected PV (R. Haas, TU-Wien)
  - Task 11: PV Hybrid systems within mini grids (C. Mayr, AIT)
  - Task 13: Performance, Reliability & Analysis of PV-Systems (S. Zamini, AIT)
  - Task 14: High Penetration PV System Integration (Bründliger)

Renewables Working Party (A. Indinger, AEA)

- **Solar Heating & Cooling (W. Weiss, AEE Intec)**
  - Task 36: Solar Resource Management (W. Traunmüller, BLUE SKY Wetteranalysen)
  - Task 38: Solar Air-Conditioning & Refrigeration (D. Jähnig, AEE Intec)
  - Task 39: Polymeric Materials for Solar Thermal Applications (M. Payer, PCCL)
  - Task 40 & ECBCS Task 52: Towards Net Zero Energy Solar Buildings (S. Geier, AEE Intec)
  - Task 41: Solar Architecture (M. Amtmann, AEA)
  - Task 42: Advanced Material for compact thermal energy storage (W. Streicher, Uni Innsbruck)
  - Task 43: Rating & Certification Procedures (F. Helminger, AIT)
  - Task 44: HP + Solar (I. Malenkovic, AIT)
  - Task 45: Large solar heating/cooling systems, seasonal storages, heat pumps (S. Putz, S.O.L.I.D)
  - Task 46: Solar Resource Assessment and Forecasting (W. Traunmüller)
  - Task 47: Renovation of Non-Residential Buildings towards sustainable standards (C. Dankl, ÖGUT)
  - Task 48: Quality assurance measures for solar thermally driven heating and cooling systems (A. Thür, AEE INTEC)
  - Task 49: Solar Heating and Cooling: Solar heat integration in industrial processes (C. Brunner, AEE INTEC)

Renewables Working Party (A. Indinger, AEA)

- **Solar Paces (T. Zillner, bmvit)**
  - Robert Höller (ILF)
- **Wind Turbines (T. Zillner, bmvit)**
  - Task 19: Wind Energy in Cold Climates (A. Krenn, energiewerkstatt)

End Use Working Party (H. Halozan)

- **Energy Conservation in Buildings (I. Zwerger, bmvit)**
  - Annex 49: Low Energy Systems for High Performance Buildings and Communities (L. Kranzl)
  - Annex 50: Prefabricated Systems for Low Energy Renovation of Residential Buildings (K. Höfler, AEE Intec)
  - Annex 51: Energy Efficient Communities (H. Strasser, SIR)
  - Annex 52 (SHC Task 40): Towards Net Zero Energy Solar Buildings (S. Geier, AEE Intec)
  - Annex 53: Total Energy Use in Buildings (T. Bednar, TU-Wien)
  - Annex 55: Reliability of Energy Efficient Building Retrofitting (T. Bednar, TU-Wien)
  - Annex 56: Energy & GHG Optimised Building Renovation (K. Höfler, AEE INTEC)

End Use Working Party (H. Halozan)

- **Heat Pumps (H. Halozan)**
  - Annex 32: Economical Heating and Cooling Systems for Low Energy Houses (A. Zottl, AIT)
  - Annex 33: Compact Heat Exchangers
  - Annex 34: Thermally Driven Heat Pumps for Heating and Cooling (R. Rieberer, TU-Graz)
  - Annex 35: Application of Industrial Heat Pumps (R. Rieberer, TU-Graz)
  - Annex 39: A common method for testing and rating of residential HP and AC annual/seasonal performance (I. Malenkovic, AIT)
- **Efficient Electrical End-Use Equipment (M. Hübner, bmvit)**
  - Motor Systems Annex (K. Kulterer, AEA)
  - Mapping and Bench Marking (W. Wimmer, Ecodesign)
- **International Smart Grid Action Network (M. Hübner, bmvit)**

End Use Working Party (H. Halozan)

- **Demand Side Management (B. Papousek, GEA)**
  - Task 16: Competitive Energy Services (J. Bleyl, GEA)
  - Task 17: Integration of DSM (M. Stifter, AIT)
- **Advanced Fuel Cells (G. Simader, AEA)**
  - Task 22: Polymer Electrolyte Fuel Cells (G. Simader, AEA)
  - Task 25: Fuel Cells for Stationary Applications (G. Simader, AEA)
  - Task 27: Fuel Cells for Portable Applications (G. Simader, AEA)
- **Adv. Motor Fuels (A. Dorda, bmvit)**
- **Hybrid and Electric Vehicles (A. Dorda, bmvit)**

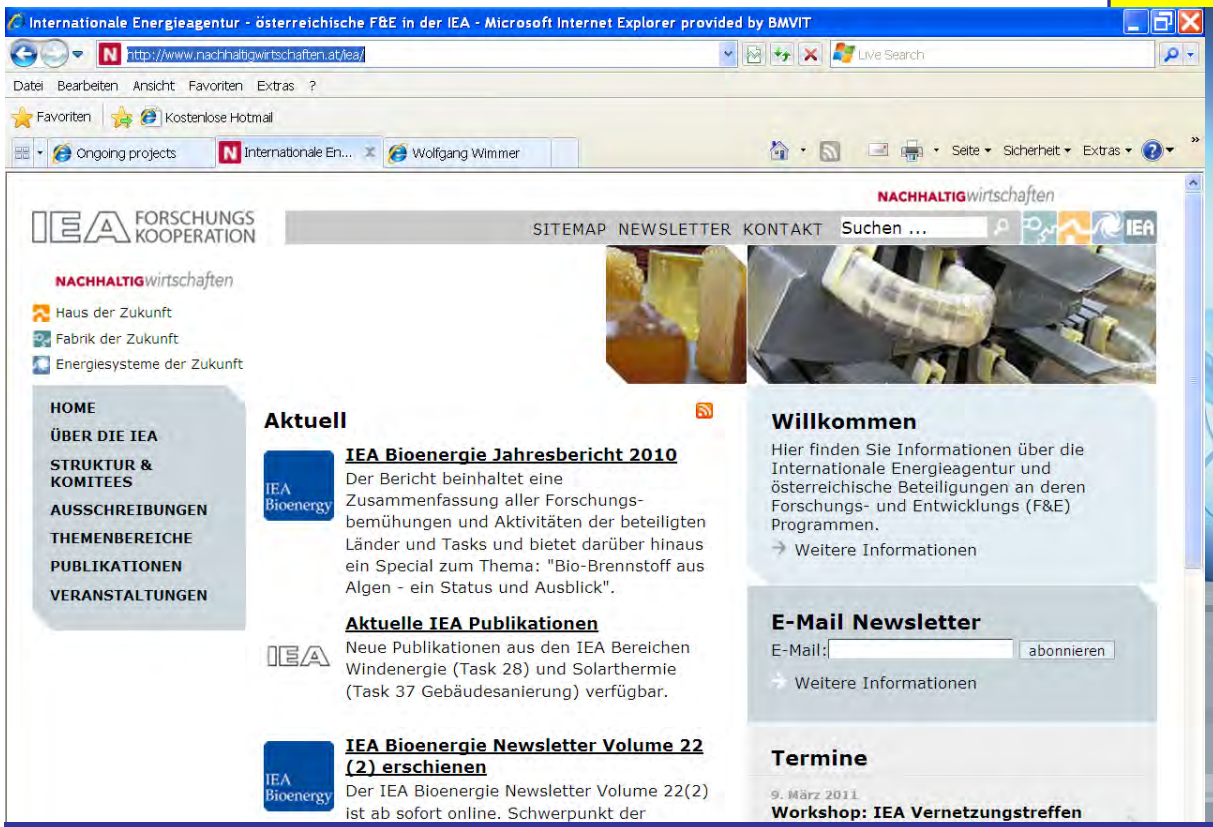
Warum IEA – Forschungskooperation?

- **Wichtige Rolle bei der Ausrichtung der österreichischen Energieforschung**
- **Einbringen von österreichischer Expertise in internationale Netzwerke**
- **Know-How Gewinn für Österreich durch Beteiligung in internationalen Netzwerken**
- **Weltweite Kooperation (Japan, USA,...)**
- **Vernetzung und Wissenstransfer der nationalen Akteure**

Was braucht die IEA – Forschungskooperation?

- Informationsaustausch
- Neuigkeiten und Events
- Publikationen
- Aufschlussreiche Berichte
- Einbindung aller nationalen Akteure

Was braucht die IEA – Forschungskooperation?



www.nachhaltigwirtschaften.at/iea

Wer ist die IEA – Forschungskooperation?

Die IEA-Forschungskooperation

Danke für Ihre Aufmerksamkeit!

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