

Austrian R&D Activities within the IEA

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Energy and Environmental Technologies

**Federal Ministry for Transport, Innovation and
Technology**

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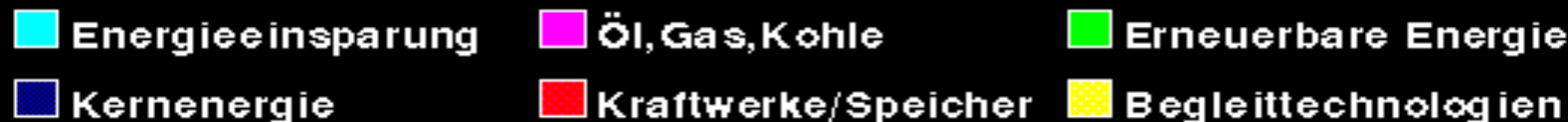
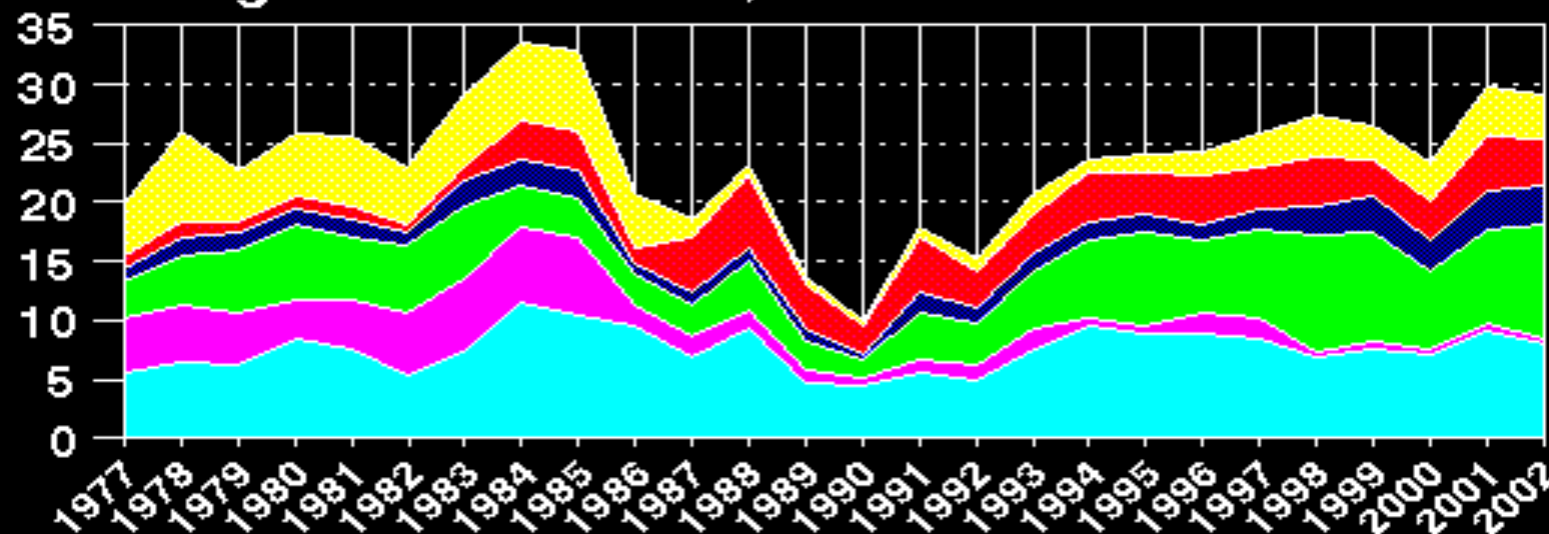
- **Energy R&D: Austrian priorities**
- **Comparison with other countries (OECD)**
- **R&D: Austria and the IEA**
 - **participation**
 - **motivation, goals**

The energy research and technology concept – 6 priorities

- Bio-energy and hydropower
- Electricity supply systems oriented towards climate protection
- Sustainable buildings
- Industrial processes and concepts
- Energy efficient mobility
- Long-term climate protection technologies in international networks

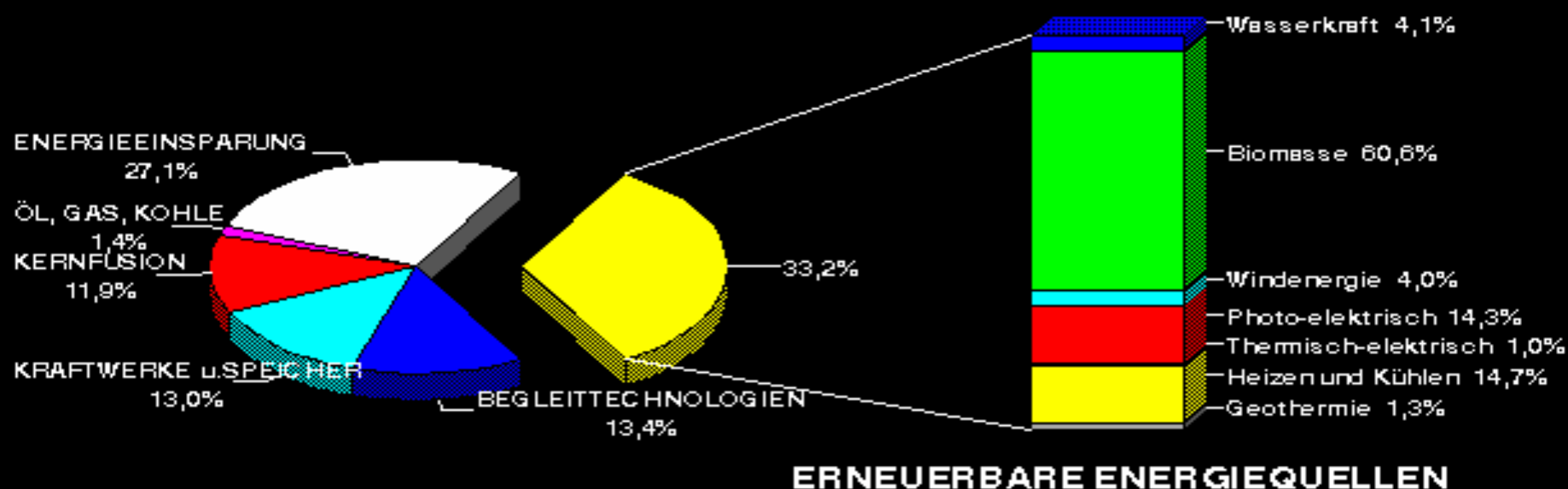
AUSGABEN DER ÖFFENTLICHEN HAND FÜR ENERGIEFORSCHUNG IN ÖSTERREICH 1977 - 2002

Ausgaben in Mio EUR/Jahr



AUSGABEN DER ÖFFENTLICHEN HAND FÜR ENERGIEFORSCHUNG IN ÖSTERREICH 2002

ANTEIL DER STAATLICHEN AUSGABEN in %



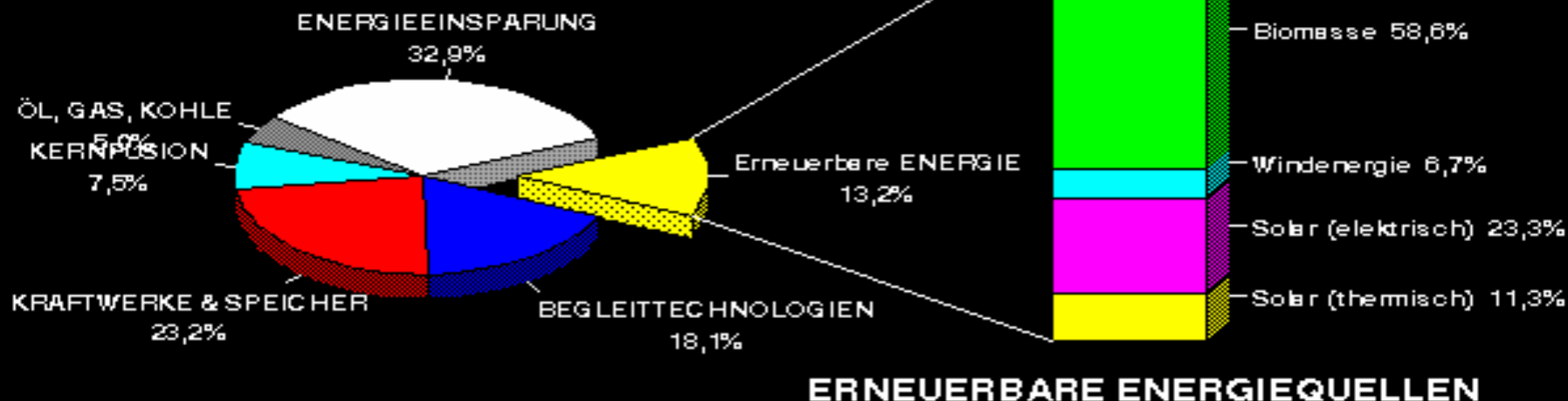
GESAMT 2002: 29,180 Mio EUR

RÜCKFLÜSSE AUS EU-FORSCHUNGSPROJEKTEN

Themenbereich *ENERGIE*

2002

GESAMT 2002: 18,856 Mio EUR



Comparison of RTD expenditures

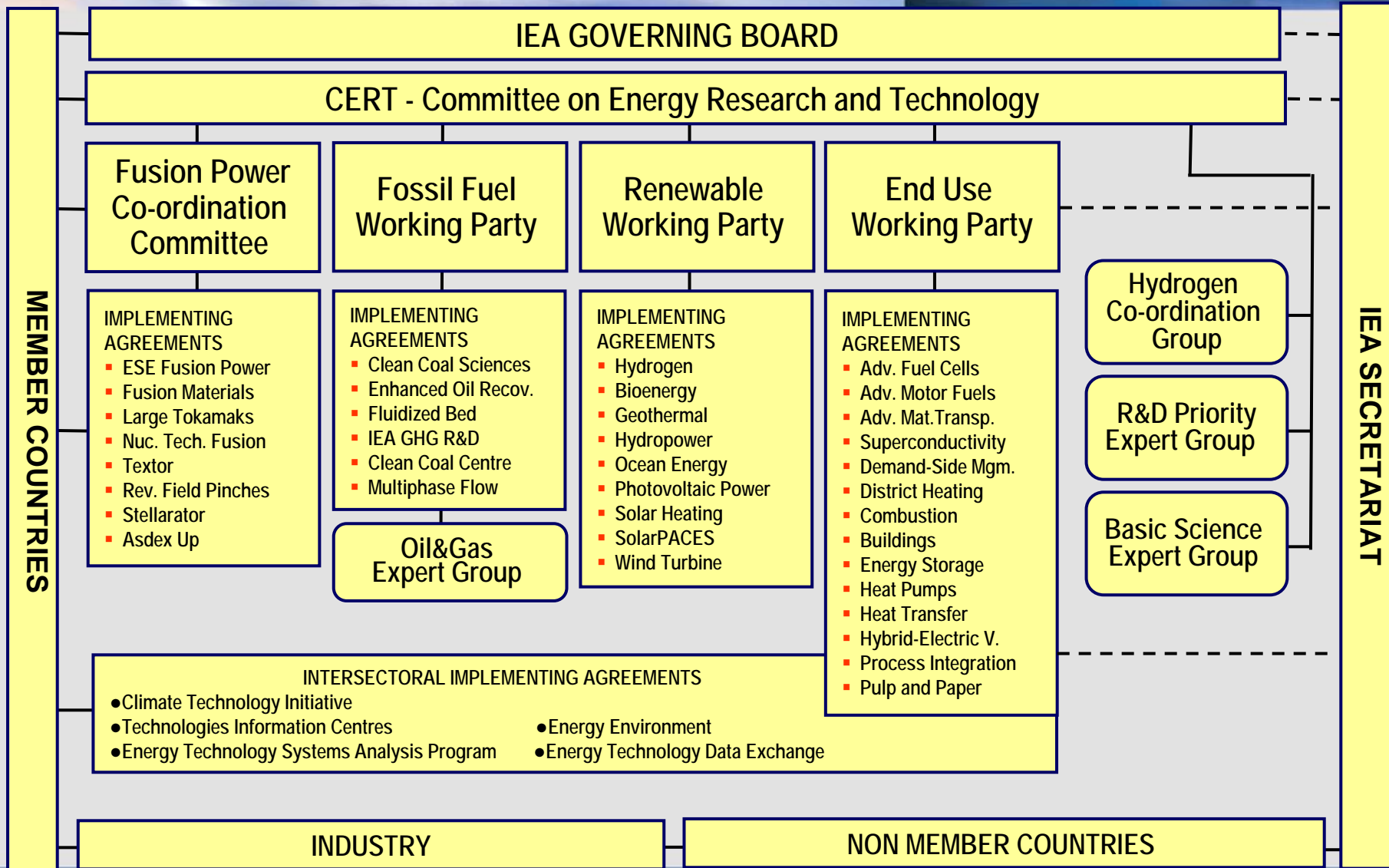
(Data for 2001, OECD/IEA 2003)

Country	% eff.	% RES	total mio. USD
France	2,67	4,08	423,66
Germany	8,07	24,10	280,16
Japan	16,62	3,74	3.423,37
USA	20,66	8,9	2.845,29
Sweden	40,46	31,34	80,18
Hungary	9,15	65,85	1,48

Comparison of RTD expenditures

(Data for 2001, OECD/IEA 2003)

Country	% fossil	% nuc.	total mio. USD
France	7,65	83,11	423,66
Germany	5,98	43,28	280,16
Japan	2,07	70,22	3.423,37
USA	12,54	10,51	2.845,29
Sweden	0,17	5,87	80,18
Hungary	25,01	-	1,48



REWP – austrian participation

- Solar Heating and Cooling (4 tasks)
- Photovoltaic Power Systems (3 tasks)
- Wind Energy Technologies
- Bioenergy (6 tasks) ■

EUWP – austrian participation

→ Buildings

- Demand Side Managment
- Heat Pumping Technologies / Heat Pump Centre

→ Transportation

- IA Advanced Fuel Cells – since 2004
- Hybrid and Electric Vehicles

→ Information centres

- ETSAP (Energy Technology System Analysis)

FFWP – austrian participation

- **Fluidised Bed Conversion**
- **IEA Clean Coal Centre**
- **Enhanced Recovery of Oil**



Others

- **CTI (Climate Technology Initiative)**
- **Expert Group on R&D priority Setting**
- **HCG (Hydrogen Coordination Group)**

Benefits of the RTD of the IEA

- Stronger national RTD capacities
- Shared costs and pooled technical resources
- Avoided duplication of efforts and repetition of errors
- “à la carte“ – participation
- Good international contacts help to be successful e.g. with EU proposals
- Enhanced visibility of austrian RTD at an international level
- World wide cooperation (Japan, USA)

RTD of the IEA– guidelines for austrian participation

- National priorities are also priorities for IEA participation
- Goals for RTD policy
- High potential areas of austrian RTD
- Long term cooperation in selected areas
- Participation in interesting international developments at a top level
- Industry involvement
- Dissemination and cooperation

Further Information

- www.energytech.at
- www.nachhaltigwirtschaften.at
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