

International Conference for Renewable Energies, Bonn 2004



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für Erneuerbare Energien, Bonn
International Conference
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Outcomes & Follow-up



Norbert Gorißen

Federal Ministry of the
Environment, Nature
Conservation and Nuclear Safety,
Germany



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Background

- From WSSD Jo'burg to ***renewables 2004***
- **Climate change:** due to globally growing consumption of resources and energy
- **Poverty:** Inability of economic development due to **lack of access to modern energy** for 1.5 billion people
- **Security of energy supply:** high oil prices, conflicts, depletion of resources



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Renewables 2004: a success

- More than **3000 participants** (154 Government delegations, 30 international Organisations, industry, civil society)
- Joined representatives from the **energy, environment** and **development** community
- Result: creation of a **strong momentum**; RE high on the international agenda
- Added value: **not just words – actions!**



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Reasons for Success

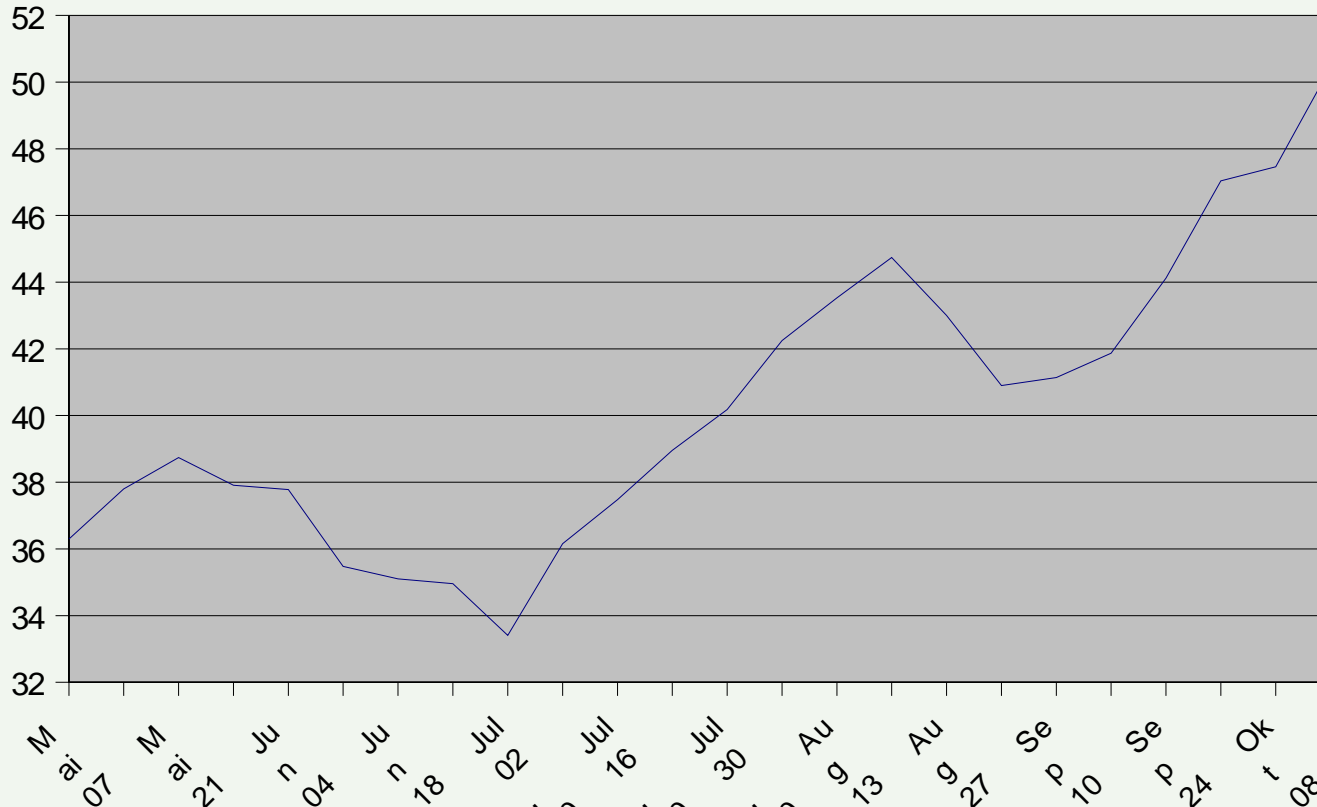
- Broad **preparatory process** creating ownership in the regions and among the various stakeholders
 - Regional Preparatory Conferences (Brazil, Kenya, EU, Thailand, Yemen)
 - Side events (COP 9 in Milan, CSD 12 in New York)
 - International Steering Committee (ISC)
- Broad **stakeholder participation** at the conference: **Multi-Stakeholder Dialogue (MSD)**
- Combination of a **consensus declaration** and **voluntary actions** from all stakeholders



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Reason for Success: Oil prices?

Europe Brent Spot Price 2004 in \$/bbl



2004

renewables



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Conference Outcomes



- Political Declaration
- Policy Recommendations for Renewable Energies
- International Action Programme (IAP)



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Political Declaration I

- Reaffirm commitment (of 19.e Johannesburg Pol) to **increase** with a sense of urgency the **global share of RE**
- Share **vision** that **RE** will become **a most important**, widely available source of energy
- Commitment to halve proportion of people living in poverty and to give **access up to 1 billion people from RE** by 2015



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Political Declaration II

- Underlines the need for **coherent regulatory and policy frameworks**, finance, strengthened human and institutional capacities, targeted research and development in order to create a market.
- Outlines **principles of a follow-up process**
- Adopted in consensus by representatives from 154 countries



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Policy Recommendations

- Non-binding recommendations, provide with **menu of policy options**
- **Derived** from national experiences, **best practices** and success stories
- Increased **coherence** of political strategies differentiated but viable for all countries
- For **national governments, international organisations, local authorities, business & finance, civil society**



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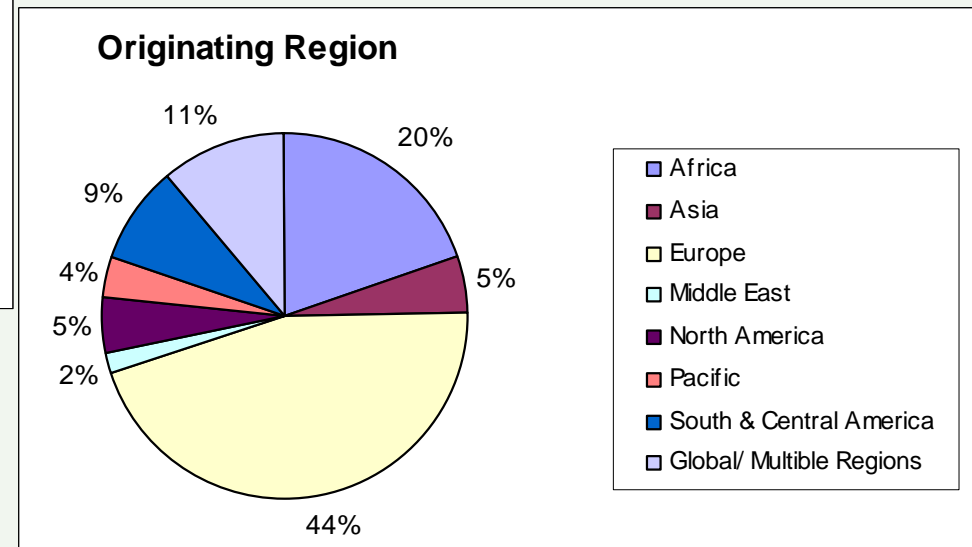
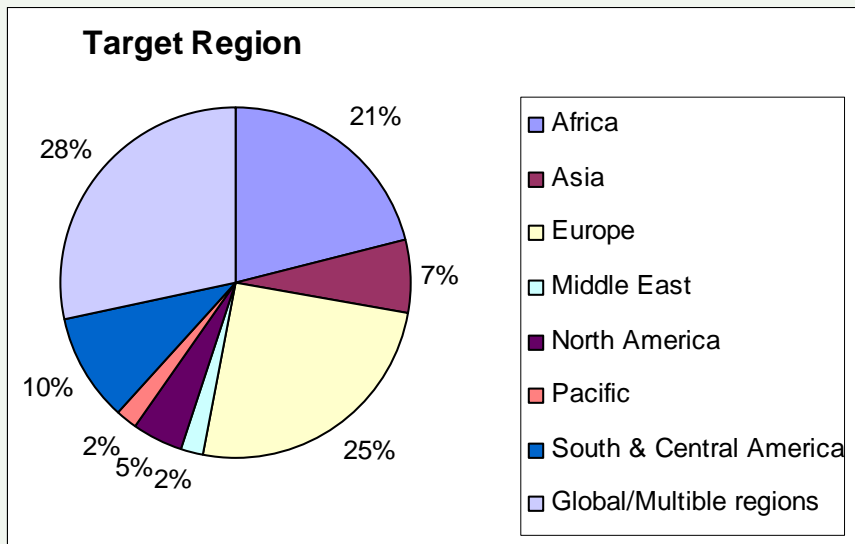
International Action Programme (IAP)

- **Almost 200 actions and commitments** from governments, international organizations, private sector, civil society, other stakeholders
- **Key themes:** policies for market development, financing options, capacity building, and research
- Estimated CO₂-reductions of **1.2 billion tons/year** in the year 2015 (around 5% of global CO₂-emissions), if full implemented
- Final Version published **30 August 2004**



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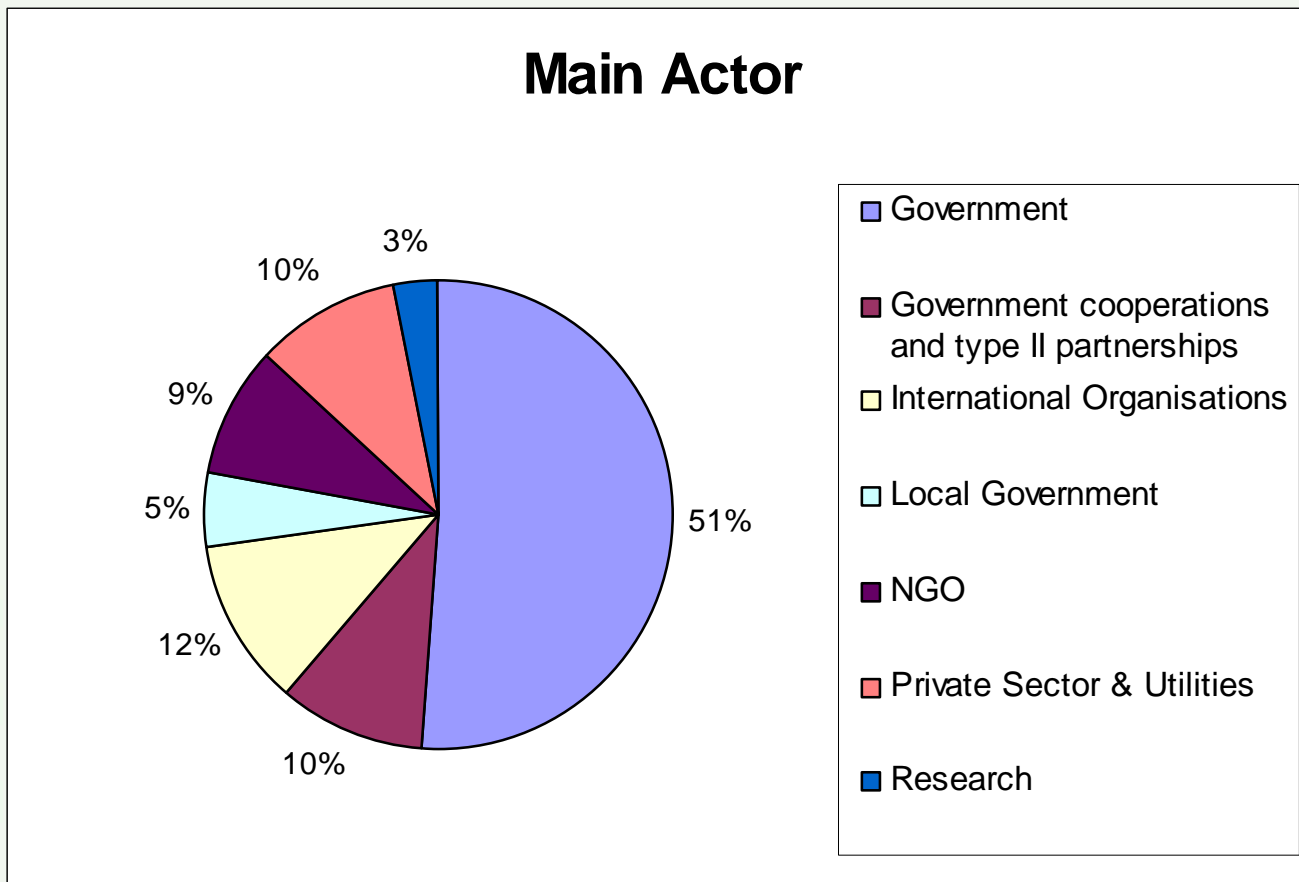
Regional distribution of actions





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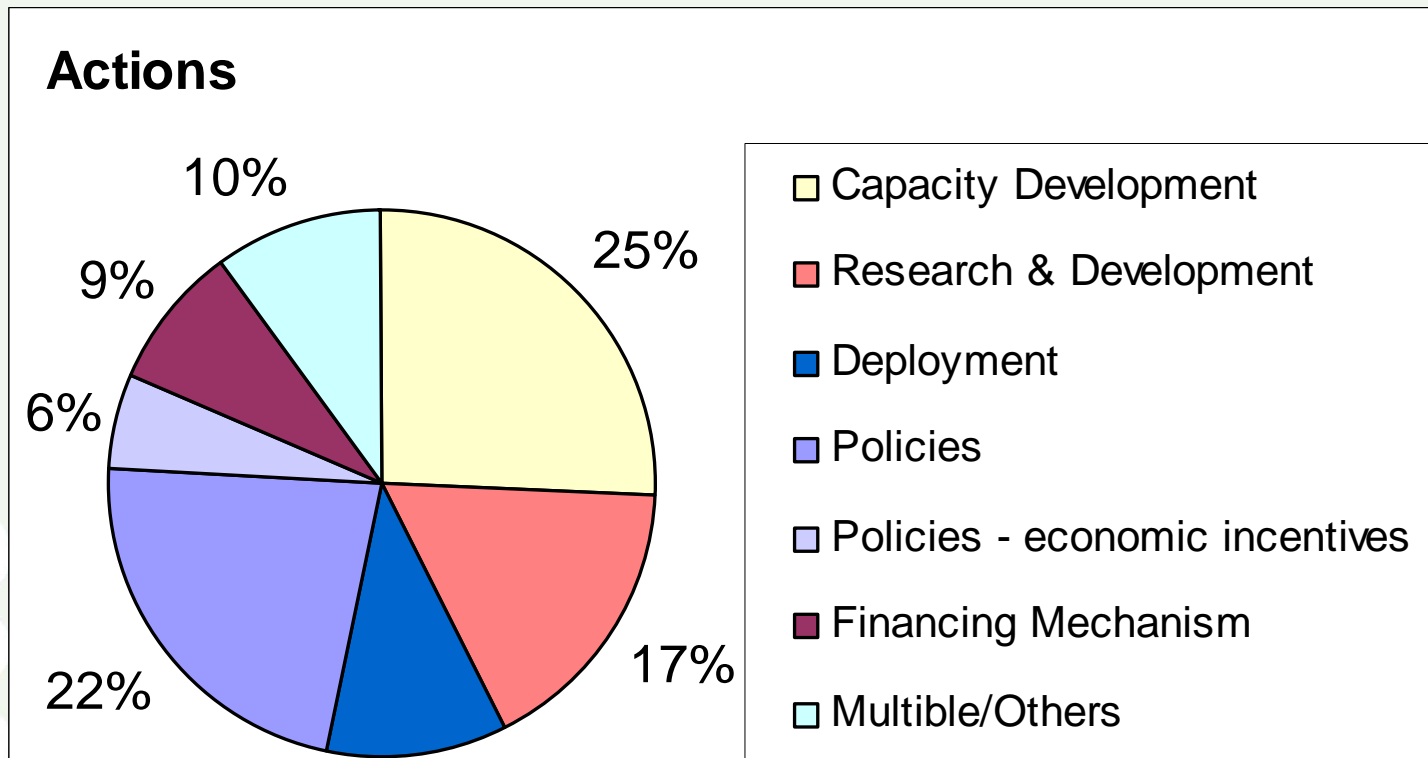
Leading contributing actors I





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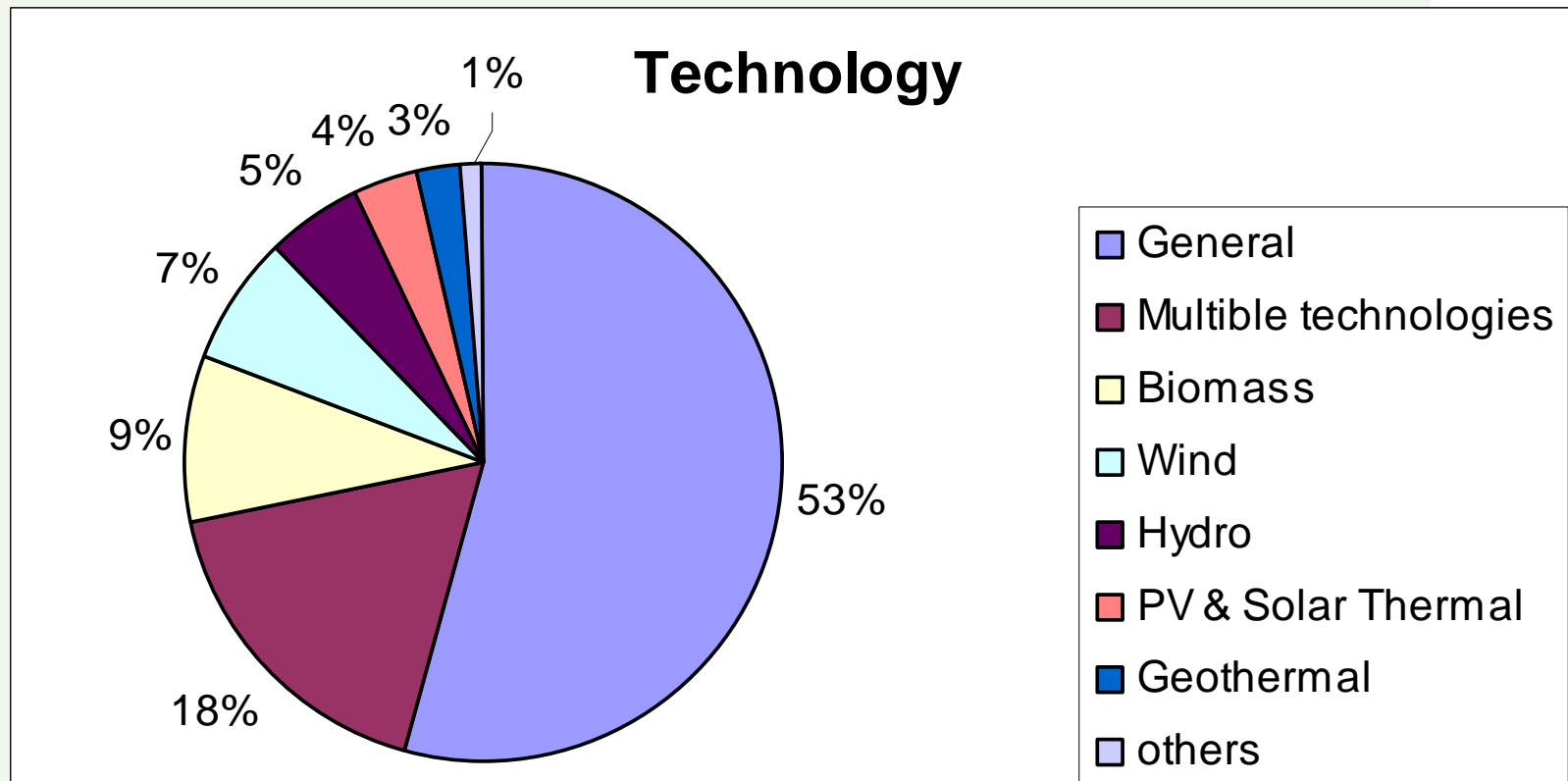
Kind of actions





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Actions by Technology





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Targets for RE

- **No global target**, but take note of targets
- **(new) RE Targets from 29 countries:**
Argentina, Australia, Belgium, Brazil, Czech Republic, **China** (10% of electricity production by 2010), Cyprus, Denmark, Egypt, France, Germany, Iran, Italy, Japan, Jordan, **Mexico**, Morocco, New Zealand, Norway, Pakistan, Philippines, Senegal, Slovenia, South Africa, Spain, Switzerland, Tunisia, Uganda, UK, EU (Commitment to decide by 2007 a RE-target beyond 2010)



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Financial Commitments for RE (examples)

- **Global Environment Facility:** 100 million \$ a year for country-driven RES Projects
- **EIB:** Increase RE lending to up to 50% of total lending for electricity generation by 2010
- **Worldbank:** at least 20% growth annually for both RE and EE commitments over next 5 years
- **IDB:** enlarging engagement in renewable energy sources, strategic partnership agreement with German government
- **Germany:** 500 million € special facility for RE & EE in developing countries



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Actions in North America (examples)

- **Mexico** Renewable Energy Initiative: measures to create a market for RE aiming at 4000 MW electricity production capacity by 2014
- **Canada:** financial support for new 1.000 MW wind over the next 5 years
- **Canada:** Green Power Initiative, purchase of electricity from renewable energy sources for federal government facilities;
- **Clean Energy Group (USA):** promotion of RE policies and exchange between US states incl. California, Connecticut, Massachusetts, Minnesota, New Jersey, Oregon, Pennsylvania and Wisconsin



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Actions with relevance to North America (examples)

- **Global Market Initiative, GMI**: global market for 5,000 MW new concentrated solar power plants (Partner a.o. US Solar Energy Industry Association, SEIA)
- **IEA**: Commitment for a new crosscutting implementing agreement on **Renewable Energy Technology Deployment**
- **Dom.Rep. (assistance by USAID and GTZ)**: programme which includes 500 MW wind by 2015, 10% ethanol blend in gasoline, hydrocarbon taxation
- **Renewable Energy & International Law Project**: Partner a.o. NAFTA CEC



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Research for RE (examples)

- **USA:** Enhanced R&D efforts combined with cost reduction targets (geothermal: 0.03 – 0.05 \$/kWh by 2010, photovoltaic: 0.06 \$/kWh by 2020, wind: 0.03 \$/kWh by 2012)
- **UK:** European Marine Energy Test Centre in Stromness, Orkney
- **DK/D:** Cooperation regarding offshore wind energy environmental research (impacts on the marine environment)



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Follow up

Political Declaration outlines **principles**
for **two tracks** of a follow-up process:

- Implementation of IAP and achieve tangible progress at **CSD 14/15**
- Commitment to establish a **Renewable Energy Global Policy Network (REGPN)**



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Follow up: CSD

- From Johannesburg to **CSD 14/15** (Commission on Sustainable Development) 2006/2007 (energy session)
- **Measurable steps** taken in the IAP should **be reported** to the UN CSD and **progress reviewed** as foreseen in the Johannesburg Plan of Implementation
- **Preparation for the CSD 14/15**: a meeting to identify an appropriate arrangement for follow-up



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Follow up: Renewable Energy Global Policy Network (REGPN) I

- Keep **momentum** for increased RE in network of representatives from governments, parliaments, international institutions, local and regional authorities, the private sector, civil society, partnerships
- Continuation of collaboration of **energy, environment and development** communities
- Evolutionary development
- Aiming at visible events
- “network of the networks”



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Follow up: REGPN II

■ Preliminary Tasks:

- Follow-up **implementation** of action programme,
- **Strategies** to support RE policies in major processes like CSD 14/15, G8
- **Cooperation** between developing and developed countries
- **Access** to the energy poor through RE
- **Transparency** and collaboration among other related activities

■ An **interim Steering Committee** convened by the German Government will take next steps to establish such a network

www.renewables2004.de
(conference report and documentation)



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**Thank you very
much!**