



G8 Plan of Action

IEA reporting on

Energy Technology Perspectives

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Using Long Term Scenarios for R&D Priority Setting
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The G8 Dialogue



Image source: <http://en.g8russia.ru/>

Gleneagles Communiqué

G8 serious and linked challenges

- Climate change
- Clean energy
- Sustainable development



Brazil, China, India, Mexico, South Africa

- Climate change is a threat to development

G8 - Gleneagles Communiqué July 2005

IEA will advise on alternative energy scenarios and strategies aimed at a clean, clever and competitive energy future.



IEA Roles in the G8 Gleneagles Plan of Action

- Advise on alternative energy scenarios and strategies
- Transform the way we use energy
 - *Energy indicators*
 - *Buildings*
 - *Appliances*
 - *Surface transport*
 - *Industry*
- Powering a clean energy future
 - *Cleaner fossil fuels*
 - *Carbon capture and storage*
 - *Develop renewable energy IEA Implementing Agreements*
 - *Electricity grids*
- Promoting networks for research & development
 - *Enhance the Implementing Agreements and reinforce links with developing countries and industry*



Moving Ahead Vigorously: Partnerships

- **NEET IEA Technology Collaboration Network**
- **Major developing countries: Russia, India, China, Brazil**
- **Industry: WBCSD, Sector Workshops, MOMO**
- **United Nations CSD Cooperation: Case Studies, Analysis, Event**
- **World Bank: Energy Week, March 6-8, 2006**
- **Recent G8 Dialogue Meeting in Mexico**

Reporting to G8

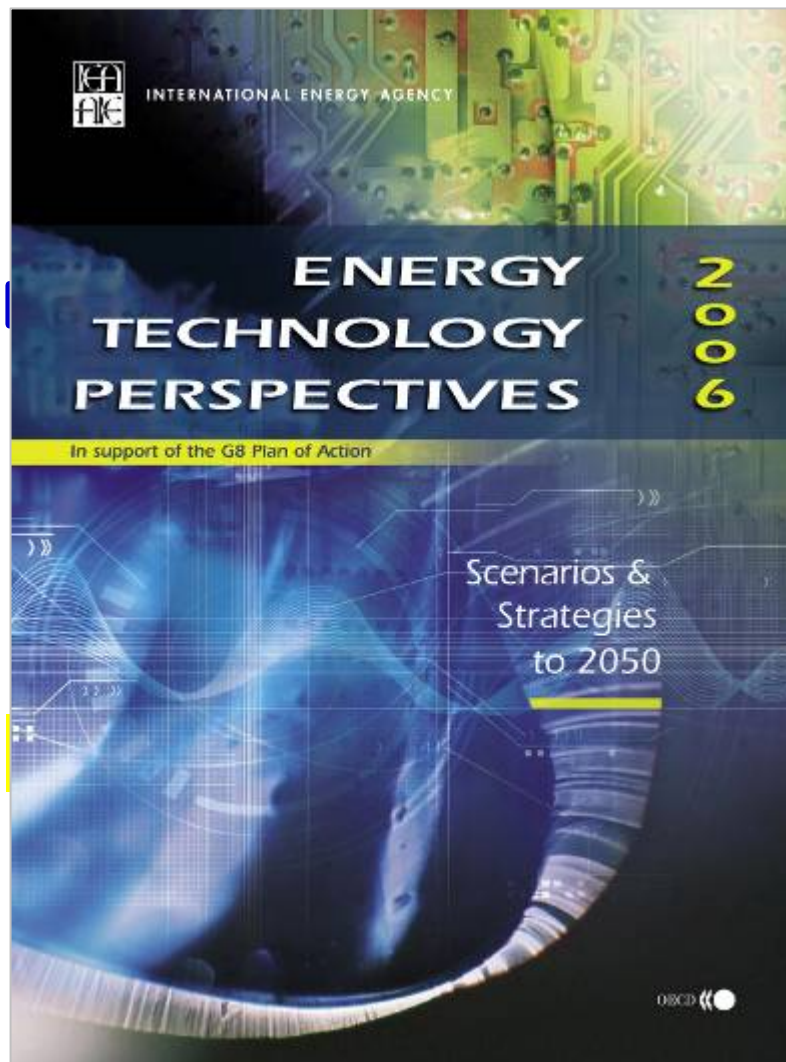
- **Interim reports in**
 - ◆ July 2006 (St Petersburg, Russia), and
 - ◆ June 2007 (Germany)

- **Final IEA report submitted to Japanese G8 Summit in 2008**

Energy Technology Perspectives 2006

(response to the 2005 G8 Plan of Action)

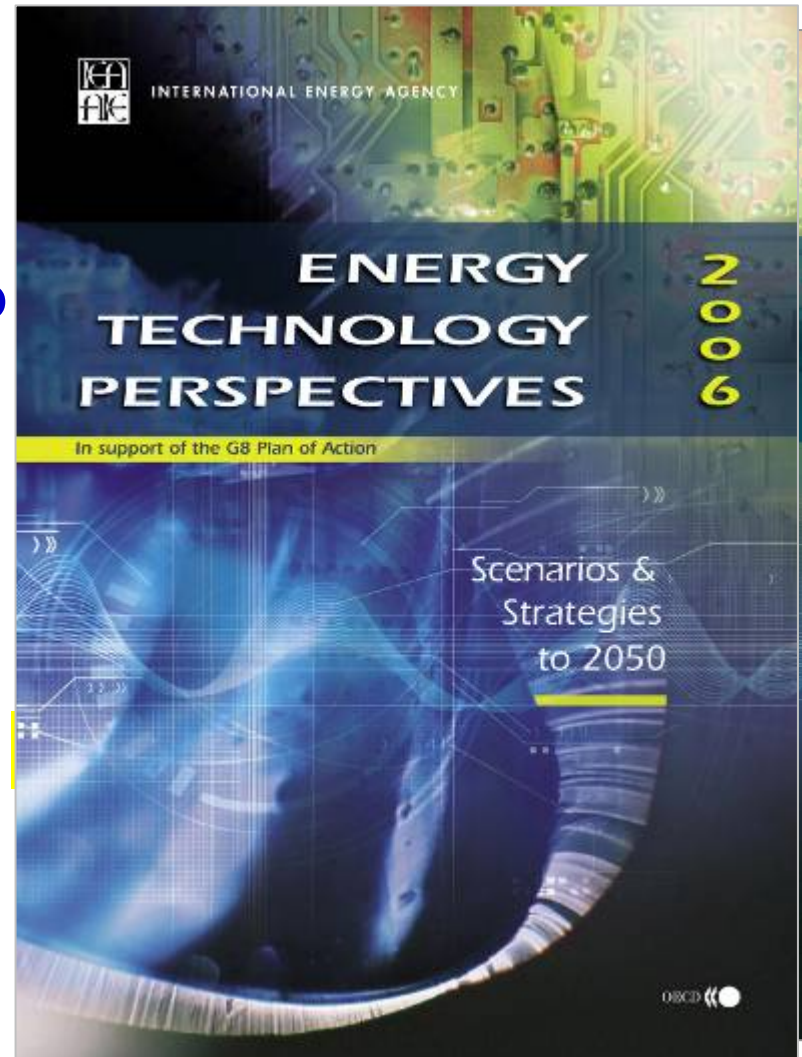
- This innovative work demonstrates how energy technologies can make a difference in a series of global scenarios to 2050.
- Reviews in detail status and prospects of key energy technologies in
 - electricity generation
 - buildings
 - industry
 - transport.



Energy Technology Perspectives 2006

(response to the 2005 G8 Plan of Action)

- It assesses ways the world can enhance energy security and contain growth in CO₂ emissions by using a portfolio of current and emerging technologies.
- Major strategic elements of a successful portfolio are
 - ◆ energy efficiency,
 - ◆ CO₂ capture and storage,
 - ◆ renewables and
 - ◆ nuclear power.



ETP2008

- **Focus on**
 - ◆ how to get there
 - ◆ more regional analysis
 - ◆ selected technology chapters

- **Significant part of the final report to the G8 Summit in Japan**

- **Workshop today is a first important step in guiding the analysis on R&D priorities**



Thank you!