

International Energy Agency

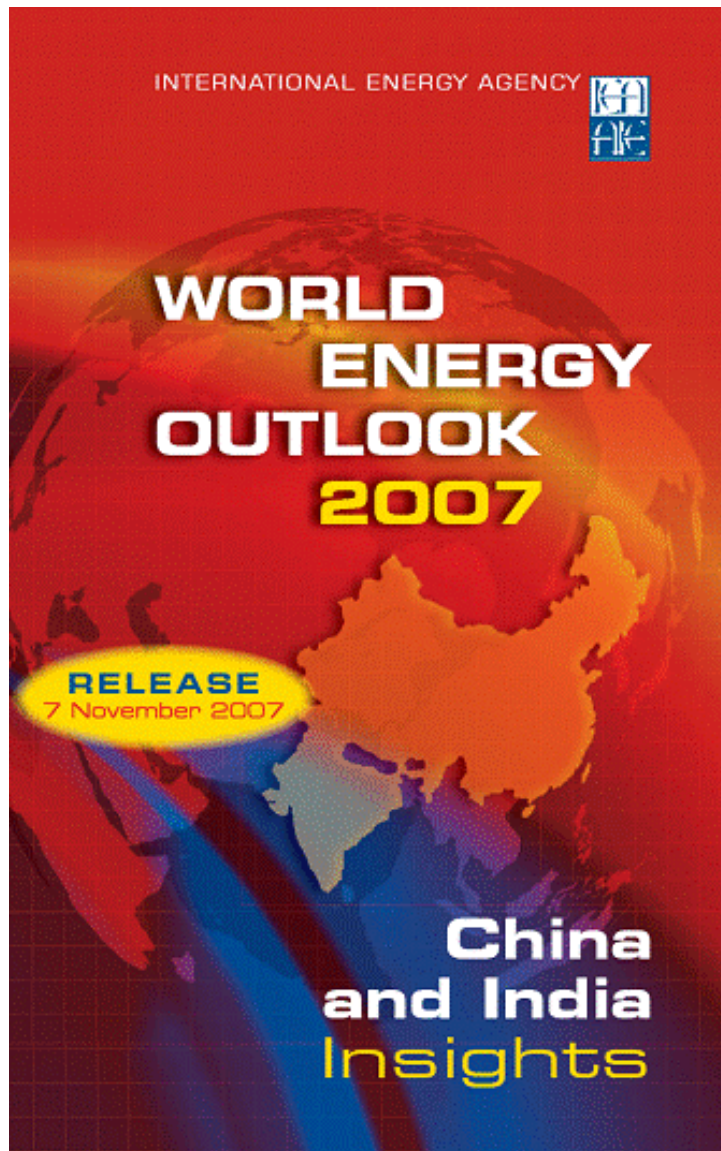
Prof Ralph E H Sims

Renewable Energy Unit

Ralph.Sims@iea.org

- **Policy advice and energy analysis for member countries.**
- **42 Implementing agreements encouraging collaboration between researchers and governments.**
- **G8 funded programme of work and to involve the +5 countries.**
- **Network of Energy Experts in Technology**

World Energy Outlook 2007

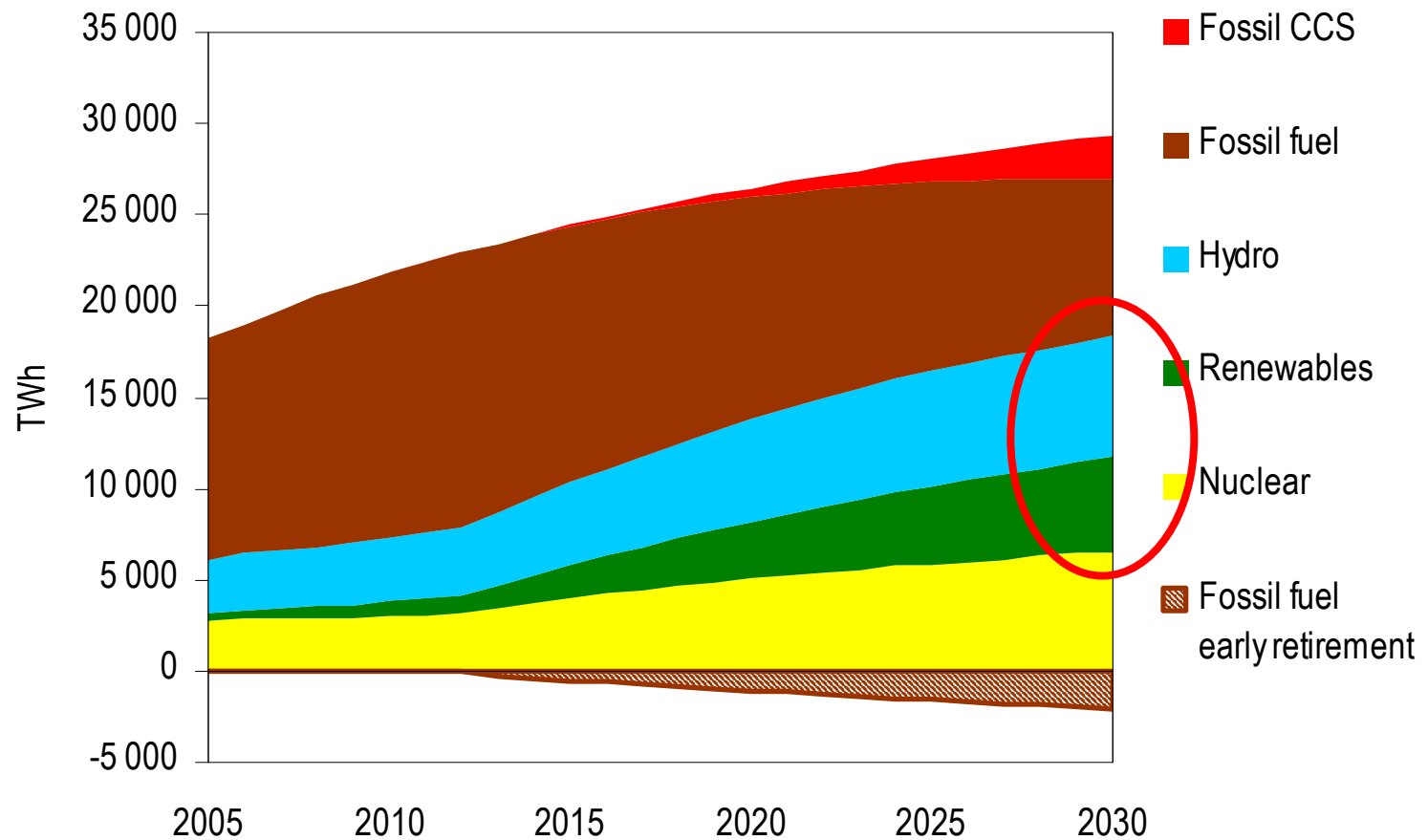


- **Detailed analysis of the energy and environmental prospects for China and India**
- **Assessment of the implications for global energy markets, the world economy and government policy**
- **Development of very detailed data-bases and models for China and India**

WEO scenarios and assumptions

- **Reference scenario:**
 - No new energy-policy interventions by governments
- **Alternative Policy scenario:**
 - Package of additional measures to address energy-security and climate-change concerns –
 - Currently considered and assumed to be adopted by countries
- **450 Stabilization case:**
 - Not a scenario
 - To highlight the challenge for CO₂ emissions to peak before 2015 and return down to 2000 levels by 2030.

WEO 2007 450 ppm stabilization case



[Source: WEO 2007]

**RE becomes the largest source of electricity
Accounting for 40% of total generation**

IEA undertakes wide ranging analysis:

For example.....

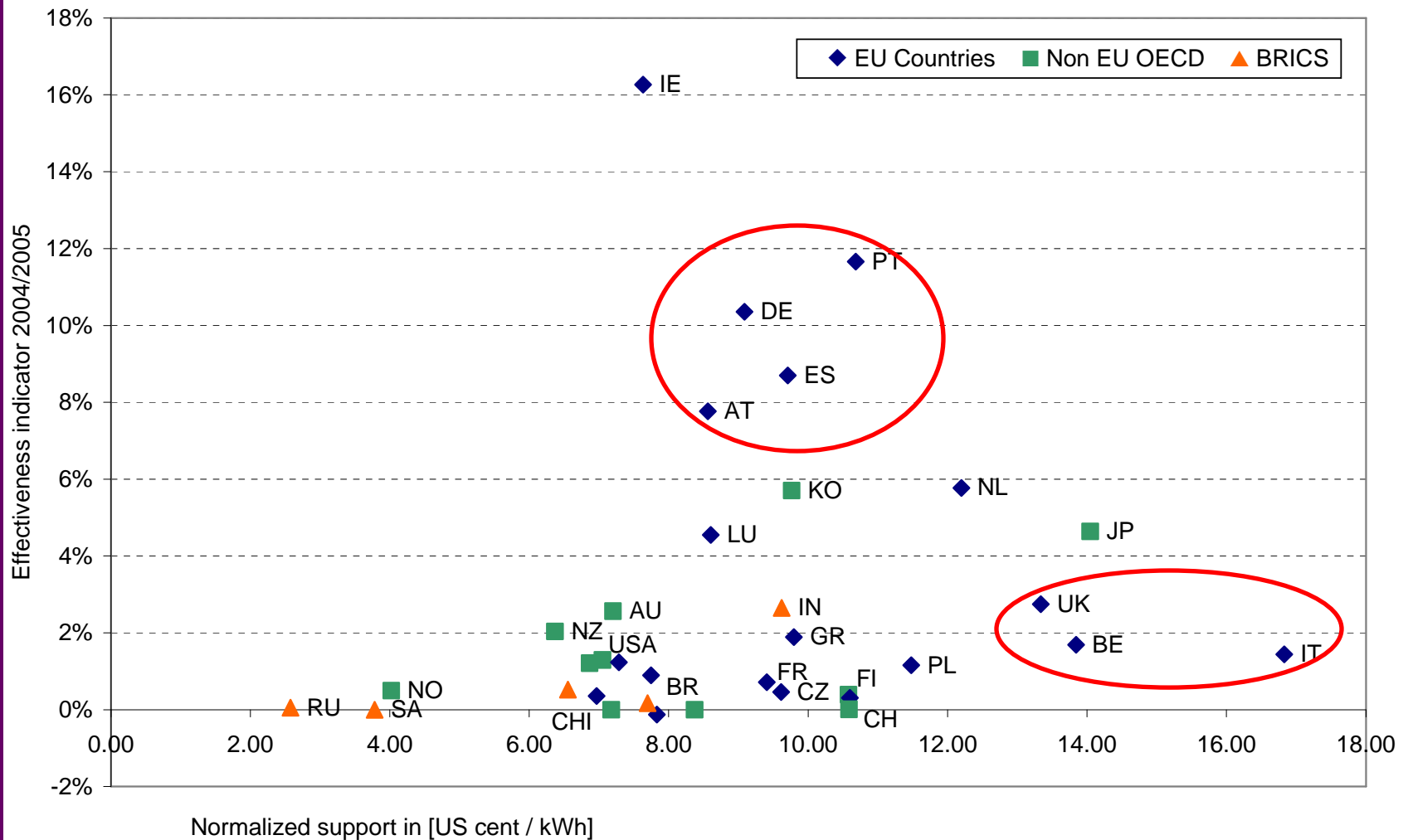
**Energy Technology Perspectives
out to 2050**

Oil Market Reports

**Global Renewable Energy Markets and
Policies Programme (GREMPP)**

Effectiveness & Efficiency

Ex. Wind on-shore 2005



Preliminary GREMPP results