



EUROPEAN
COMMISSION

Community Research

GREEN-X Conference

Context of Green-X from an EC perspective

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Unit “Energy production and distribution systems”
DG Research – RTD/J-2





Drivers for Energy RTD

Security of supply

- ✓ 50% external dependence
- ✓ reliance on fossil fuels
- ✓ need diversification of sources (**RES**)

Climate change

- ✓ “one of the greatest challenges of our generation”
- ✓ energy ↔ CO₂
- ✓ need clean energy (**RES**)

Sustainable economic development

- ✓ competitiveness (Lisbon objectives)
- ✓ sustainable development
- ✓ energy is a growth market (**RES**)





Input of GREEN-X

- “Deriving optimal promotion strategies for increasing the share of RES-E in a dynamic EU electricity market”
- “Pure” socio-economic research sometimes neglected in the rush for technological solutions
- FP5 project under “Socio-economic aspects of energy within the perspective of sustainable development”
- Builds on previous FP projects (e.g. ELGREEN)
- Key innovation : from static to **dynamic**
- to simulate the dynamic interaction of support mechanisms for RES-E over time and to simulate the dynamic linkage of strategies to promote RES-E and other measures (CHP, demand-side etc)





EC Communication

- COM(2004)366 of 26/5/2004 : “The share of renewable energy in the EU”
- Current projections in relation to 2010 targets:
 - likely 18-19% RES-E rather than 22%
 - likely 9% RES instead of 12%
- Need more ACTION – particularly in MSs
- Strengthen and accelerate the pace of public support for RTD&D on RES
- Need scenario and targets for 2020 (20% RES?)
 - Green-X will contribute to this process

