Sustainable Energy Session

Preparatory Workshop to COP 17 and Rio+20
Oct. 11 2011
Energy sources in global energy supply
Context

• Demand for energy is increasing
  → Energy is strongly related to social & Economic development
  → Direct impact on human health and welfare

• Link between provision of energy & GHG concentration

• Multiple options for reducing GHG while satisfying global demand for energy services
Options

- Energy conservation
- Energy efficiency
- Fossil fuel switching
- RE → large potential to reduce GHG + wider benefits
- Nuclear
- CCS
Algerian RE plan

Renewables Target (power generation) :
40% by 2030
• 12 GW for domestic market (US$ 60 billion)
• 10 GW for export
Summary downloadable at http://www.mem.gov.dz/

• Renewable Energy Mix :
40% of power generation: CSP+PV +Wind
CFL + SWH and S-AC
• Legal framework : Taskforce lead by the electricity regulator CREG in charge of the definition of incentives
• Creation of Algerian Renewable Energy Institute in Feb 2011, training programs under preparation
Challenges

• Financing
• Local manufacturing and technology transfer
• Execution capacity
• Human resources
Key questions

How to achieve universal energy access in a climate friendly manner?

Related issues:

• cost of energy vs income levels
• future trends of costs and investments
• the role of public policy
• the need for international support