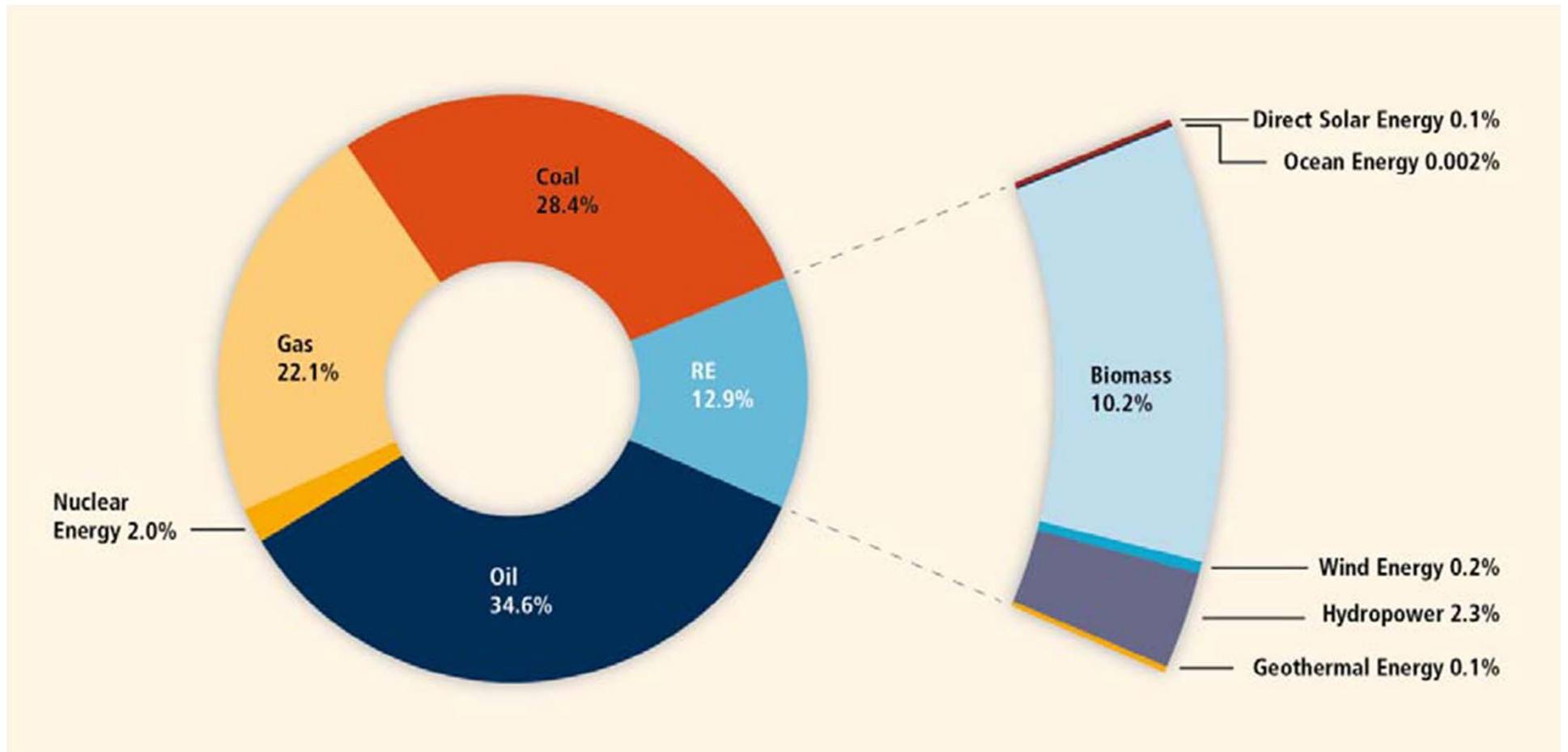


Sustainable Energy Session

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

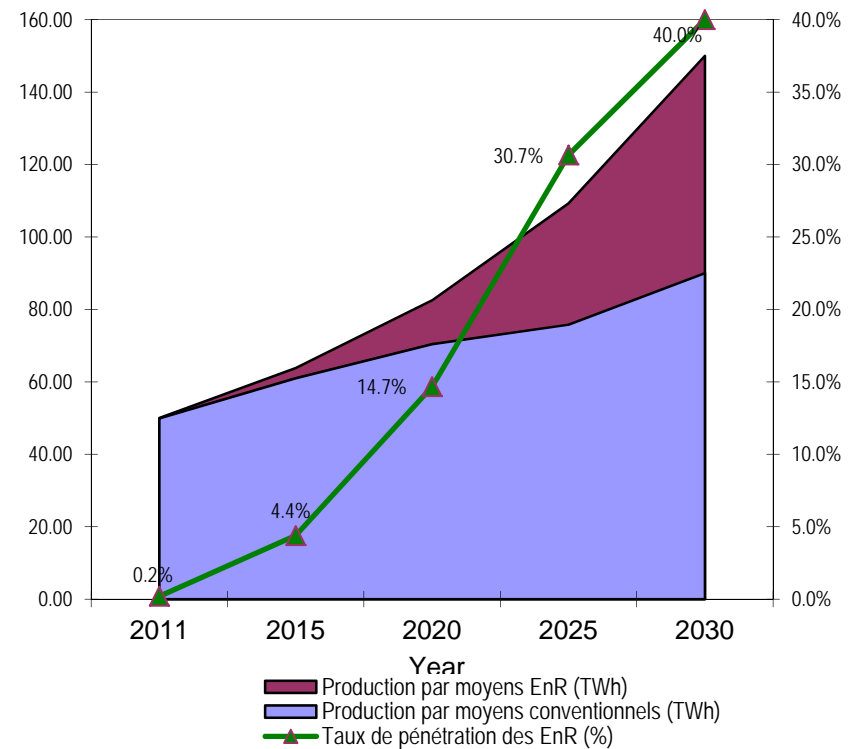
<http://www.mem.gov.dz/>

- **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