Morocco: Total Primary Energy Supply
Heavily skewed to hydrocarbons and imports
Electricity production by source 1973-2012
Morocco

A strong institutional structure

- Ministry of Energy Mines Water and Environment (MEMEE)
- National Office of Electricity and Water (ONEE)
- Energy Investment Company (SIE)
- National Agency for Development of Renewable Energy and Energy Efficiency (ADEREE)
- Moroccan Agency for Solar Energy (MASEN)
- Institute for Research into Solar and Renewable Energies (IRESEN)
Solar and Wind Potential
Morocco has scope to increase its share of renewables in the electricity mix
A strategic approach

- Legislation
- Strategic targets
- Institutions: ADEREE, MASEN, IRESEN
- Site selection
- Funding: SIE, EDF, Development agencies
- Project definition
- Investors: Nareva, GdF, Taqa, Acwa Power
Next steps

• Target expensive fuel use (peak demand)
• Open medium and low voltage to PV supply
• Disseminate PV options in industry and agriculture
• Use PV to displace LPG where possible
• Promote direct solar heating more aggressively
5th International Forum for Sustainable Development, Hammamet, Tunisia
4-7 November 2014

Promoting Renewable Energy, the Example of Morocco

Christopher Segar IEA/GEP/EMA
Average daily load curve 2010
Key issues

**Energy Efficiency**

Energy intensity in Morocco compared with selected IEA countries – 1973-2012
Climate Change: carbon intensity