Workshop on influencing behaviour and decision-making in businesses and other organisations towards increased energy efficiency

Kamel Ben Naceur
Director, Sustainable Energy Policy and Technology
Avoided consumption topped 22 EJ (520 Mtoe) in 2014

- Avoided consumption generated by energy efficiency increased by 10% in 2014

Avoided TFC in IEA countries from energy efficiency investments made since 1990

IEA countries avoided more consumption in 2014 than the TFC of Japan and Korea combined
Changing our portfolio of energy technologies to respond to the climate change challenge

- Nuclear 8%
- Renewables 30%
- End-use fuel switching 10%
- CCS 13%
- Power generation efficiency and fuel switching 1%
- End-use fuel and electricity efficiency 38%

Emissions with 6DS
Emissions with 2DS

Gt CO₂

2011 2020 2030 2040 2050
Changing our portfolio of energy technologies to respond to the climate change challenge

40% of emissions savings to 2050 come from energy efficiency in IEA scenarios
132 INDCs covering 150+ countries emitting around 90% of energy-related GHGs.

WEO Energy and Climate Change (June 2015) analysis of INDCs, updated 21 October.

IEA paper (for OECD-IEA Climate Change Expert Group) summarising elements of early INDCs published on 30 September.
IEA strategy to raise climate ambition

**Peak in emissions (Bridge Scenario)**

Global energy-related GHG emissions

Savings by measure, 2030

- **Energy efficiency**: 49%
- **Fossil-fuel subsidy reform**: 10%
- **Reducing inefficient coal**: 15%
- **Upstream methane reductions**: 17%
- **Renewables investment**: 9%

**Five measures** – shown in a “Bridge Scenario” – achieve a peak in emissions around 2020, using only proven technologies & without harming economic growth.
Behaviour plays an important role

- Need to look beyond technologies
- At least 25% of energy efficiency potential could be accessed by changing behaviour
- Need to focus on people
- How can we enable people to make changes in behaviour?
- How can decisions to implement energy efficiency projects and to invest in energy efficiency be promoted?