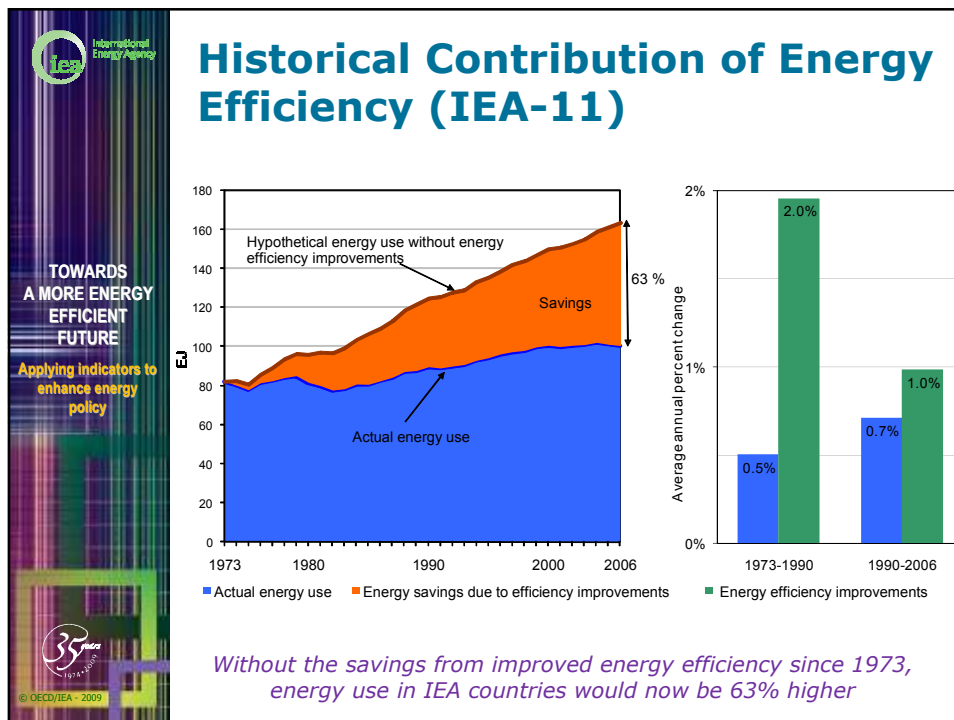


Energy efficiency: past trends and future potential

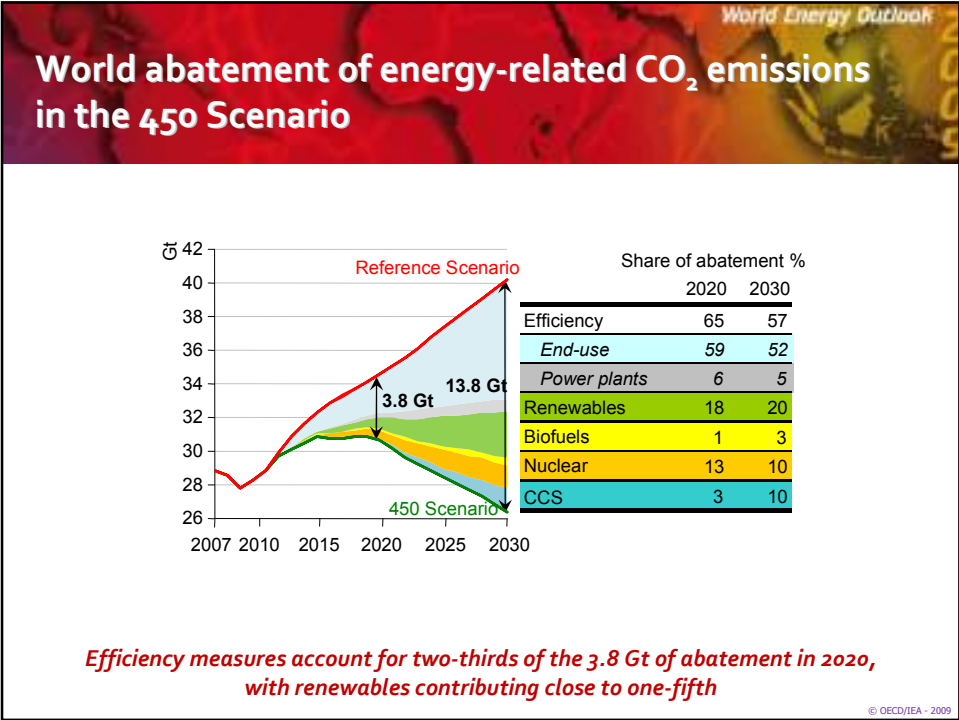
Smart Energy Usage for a Sustainable Society
 12th Hitachi Science and Technology Forum
 Brussels, Belgium, 7 May 2010

Dr Peter Taylor
 Head, Energy Technology Policy Division

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Energy Efficiency
Recommendations
across 7 Sectors

Worldwide Implementation Now

Cross-sectoral

Buildings

Appliances and equipment

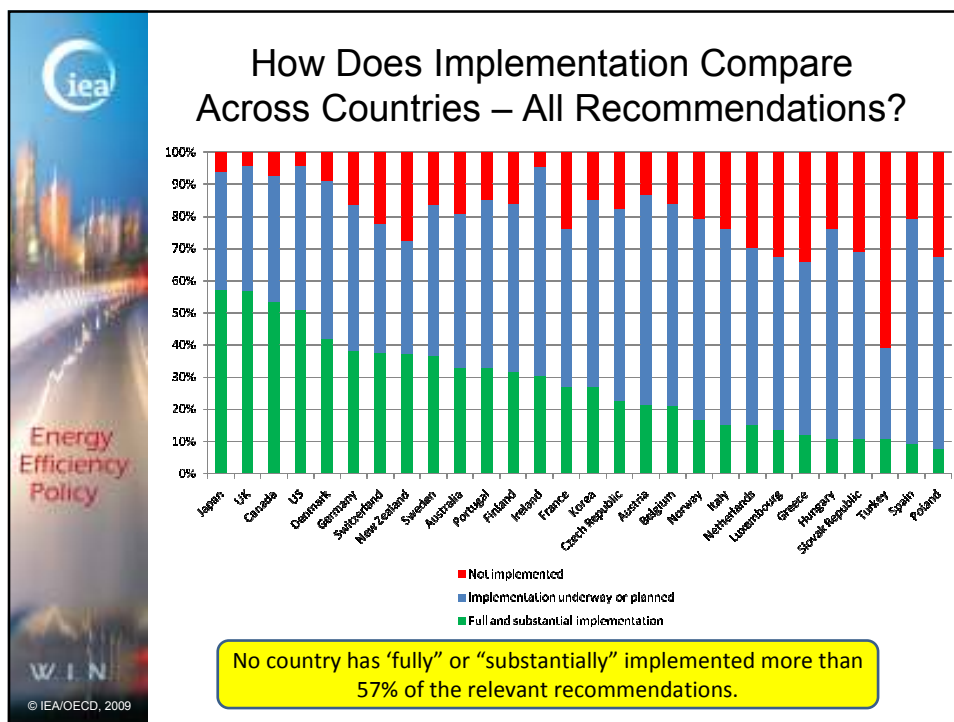
Lighting

Transport

Industry

Energy utilities

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International Energy Agency

Key Messages

- Energy efficiency can contribute to all the main goals of energy policy
 - Economic growth
 - Energy security
 - Environmental protection
- Energy efficiency has shown sustained improvement over many years
 - Results are often not visible, as offset by other factors
 - Rate of improvement needs to be substantially increased
- Energy efficiency is the single most important option to reduce CO₂ emissions in the future
 - Often low cost and relatively quick to implement
 - Can buy time for less mature technologies to be developed
 - Barriers remain, but these can be overcome by effective policies
 - Requires Worldwide Implementation Now

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