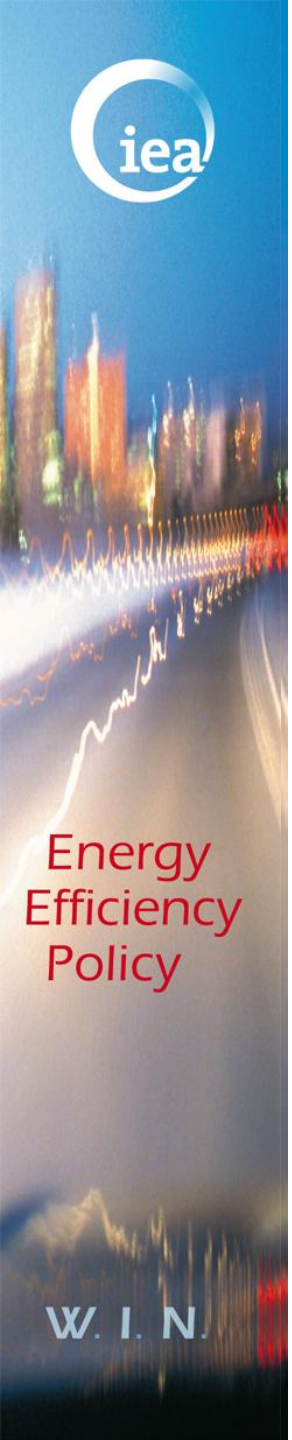
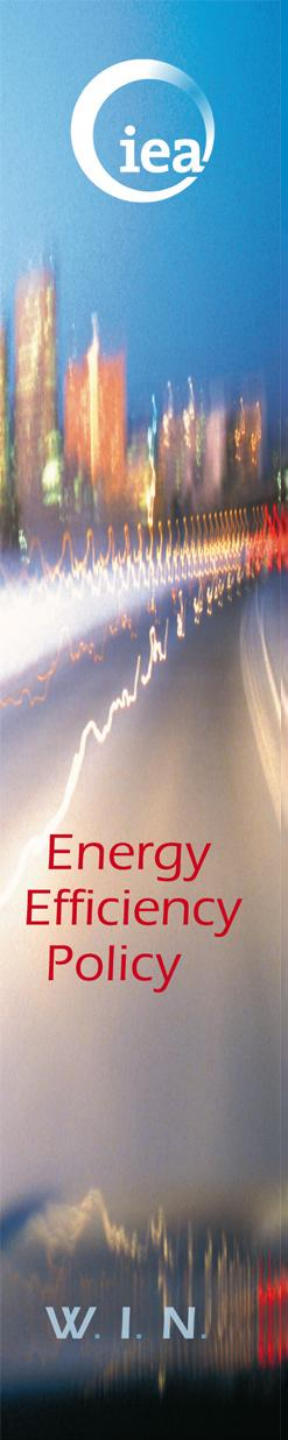


The IEA's 25 EE Recommendations - Achieving Worldwide Implementation

Grayson Heffner
Senior Energy Efficiency Advisor
International Energy Agency

Energy Efficiency Policy Dialogue
4 July 2011
Sunninghill, South Africa



Contents

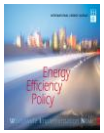
- Developing the recommendations
- Structure and approach
- Why the recommendations work

Developing the Recommendations – A Multi-Year Process

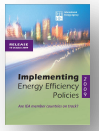
2006
- Analysis ; Workshops; Papers
- 4 Recommendations
- Member Country Engagement

2007
- Analysis; Workshops; Papers
- 16 Recommendations
- Country Engagement

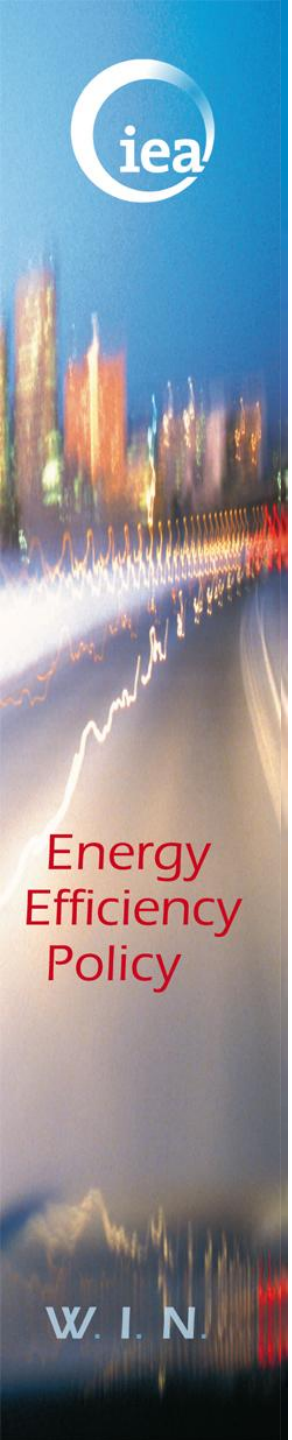
2008
- Analysis ; Workshops; Papers
- 25 Recommendations
- Country Engagement
- Consolidated set



2009
- Analysis; Workshops; Papers
- Review progress
- Country Engagement

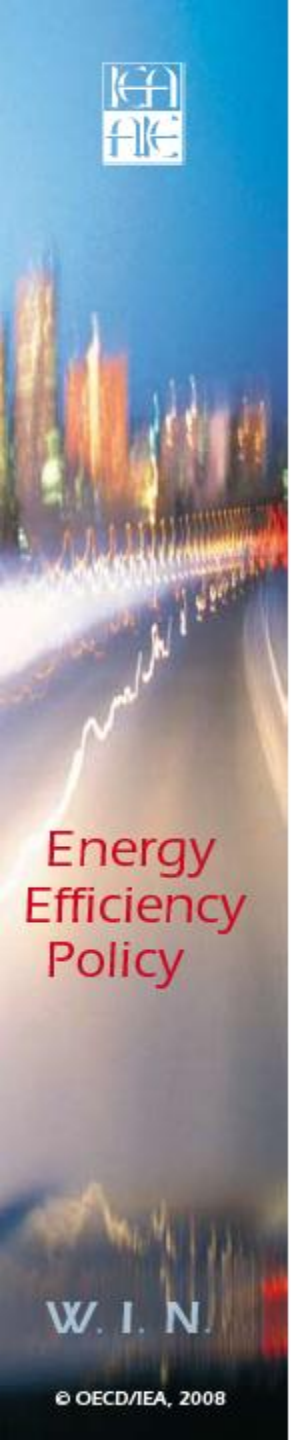


2010/11
- Review, Realign, Update as Needed



Structure and Approach

- 20 recommendations across 6 consuming sectors plus another 5 across all sectors
- Selection criteria
  - Significant energy savings at low cost;
  - Address market imperfections or barriers;
  - Address significant gaps in existing policy;
  - High degree of political support.
- Member Country commitment to implement
  - Negotiated with the EE Working Party
  - Implementation progress review



25 Energy Efficiency Recommendations across 7 Sectors

Worldwide **I**mplementation **N**ow

Cross-sectoral

Buildings

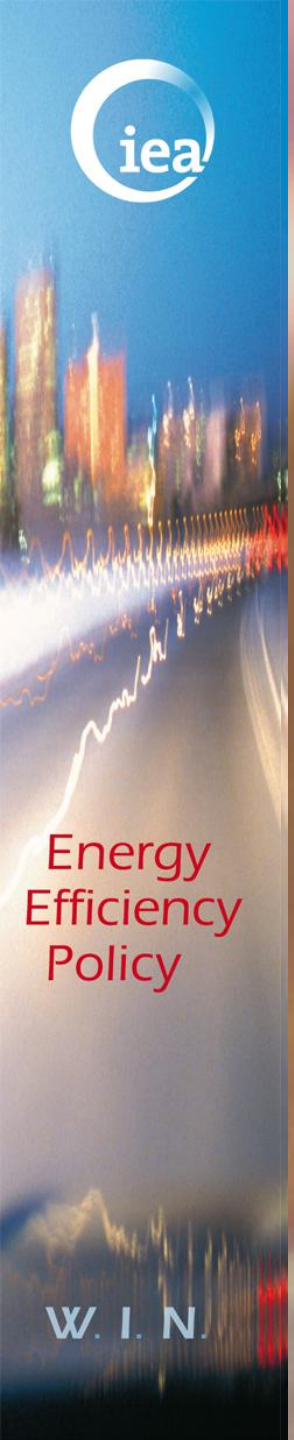
Appliances and equipment

Lighting

Transport

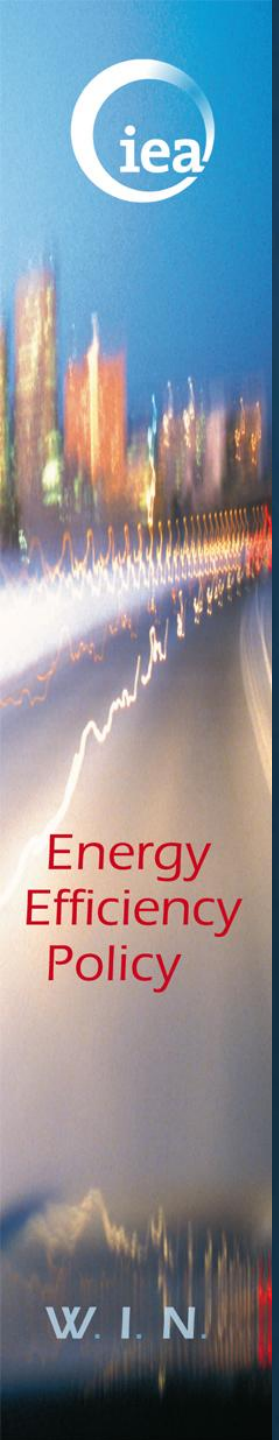
Industry

Energy utilities



Cross-sectoral

Worldwide Implementation Now



Energy Efficiency Policy

W. I. N.

Buildings

2.1 Building codes for new buildings

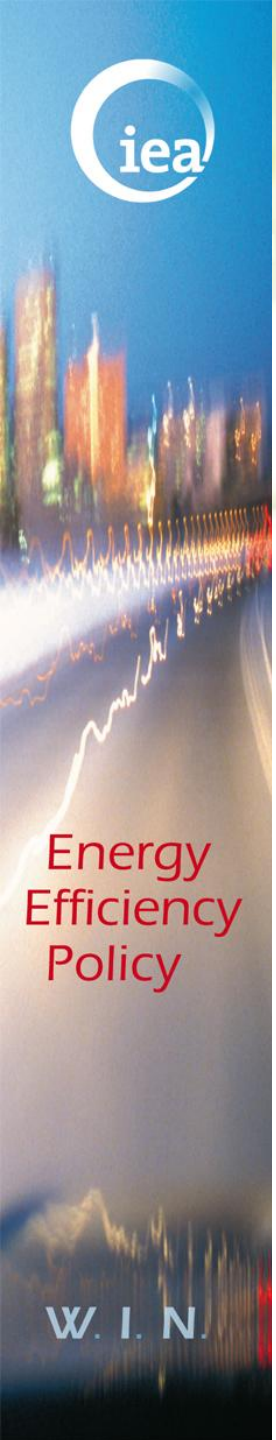
2.2 Passive Energy Houses and Zero Energy Buildings

2.3 Policy packages to promote energy efficiency in existing buildings

2.4 Building certification schemes

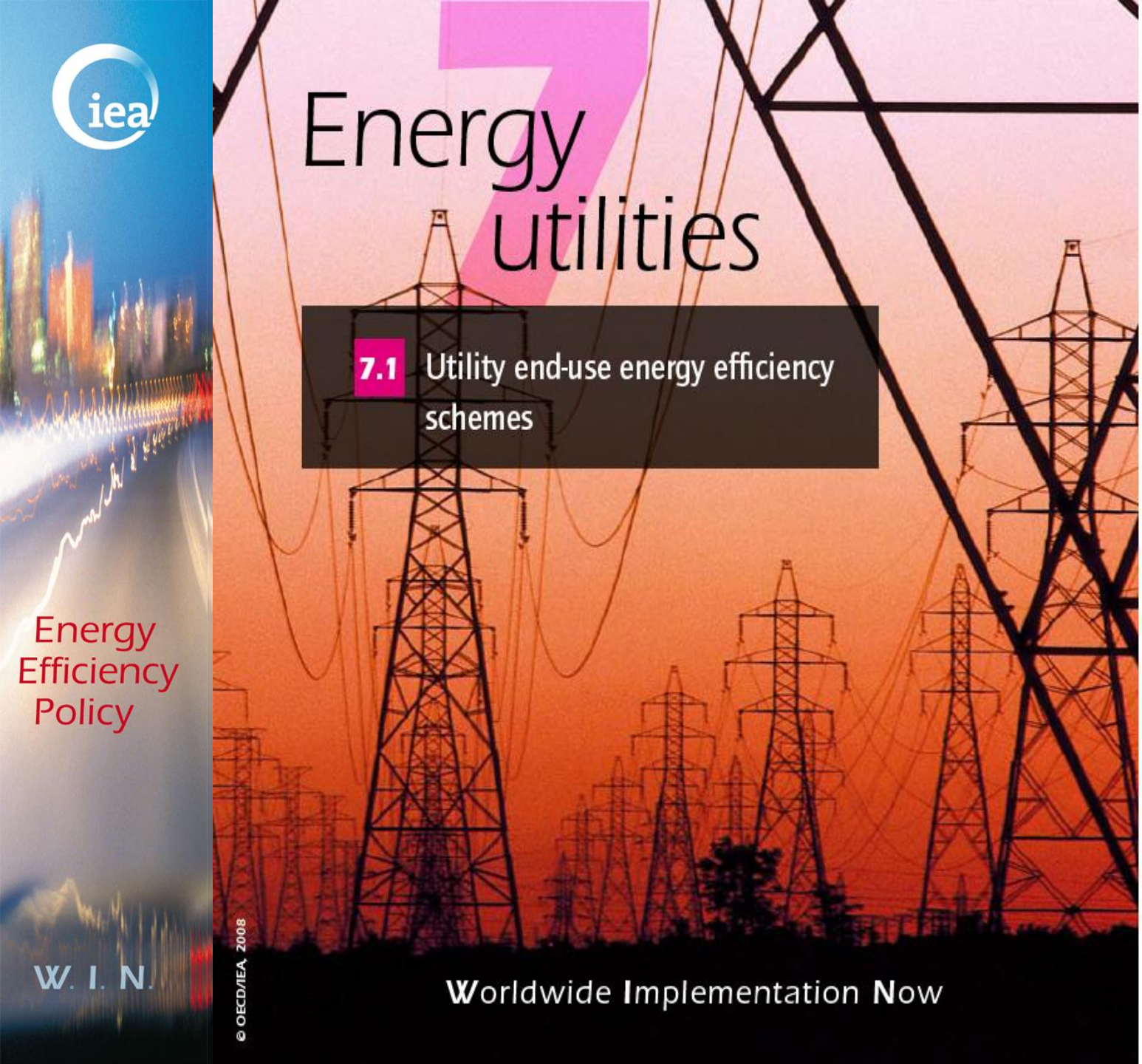
2.5 Energy efficiency improvements in glazed areas

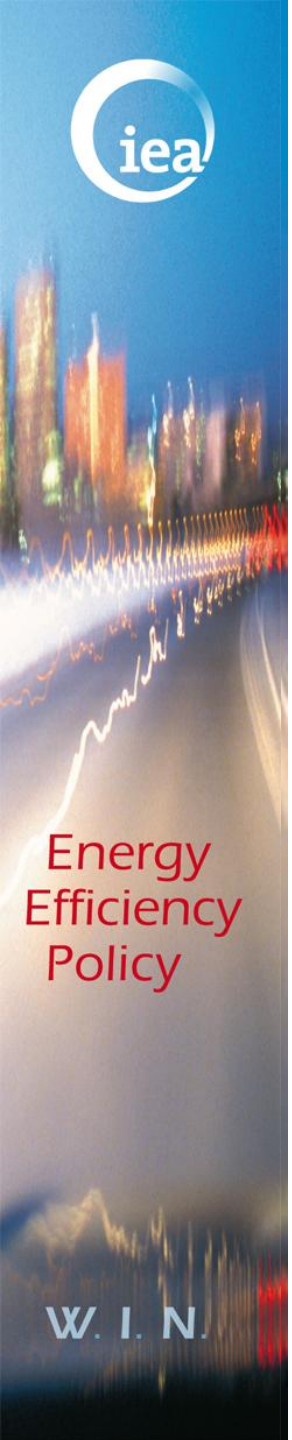
Worldwide Implementation Now



3 Appliances and equipment

Worldwide Implementation Now

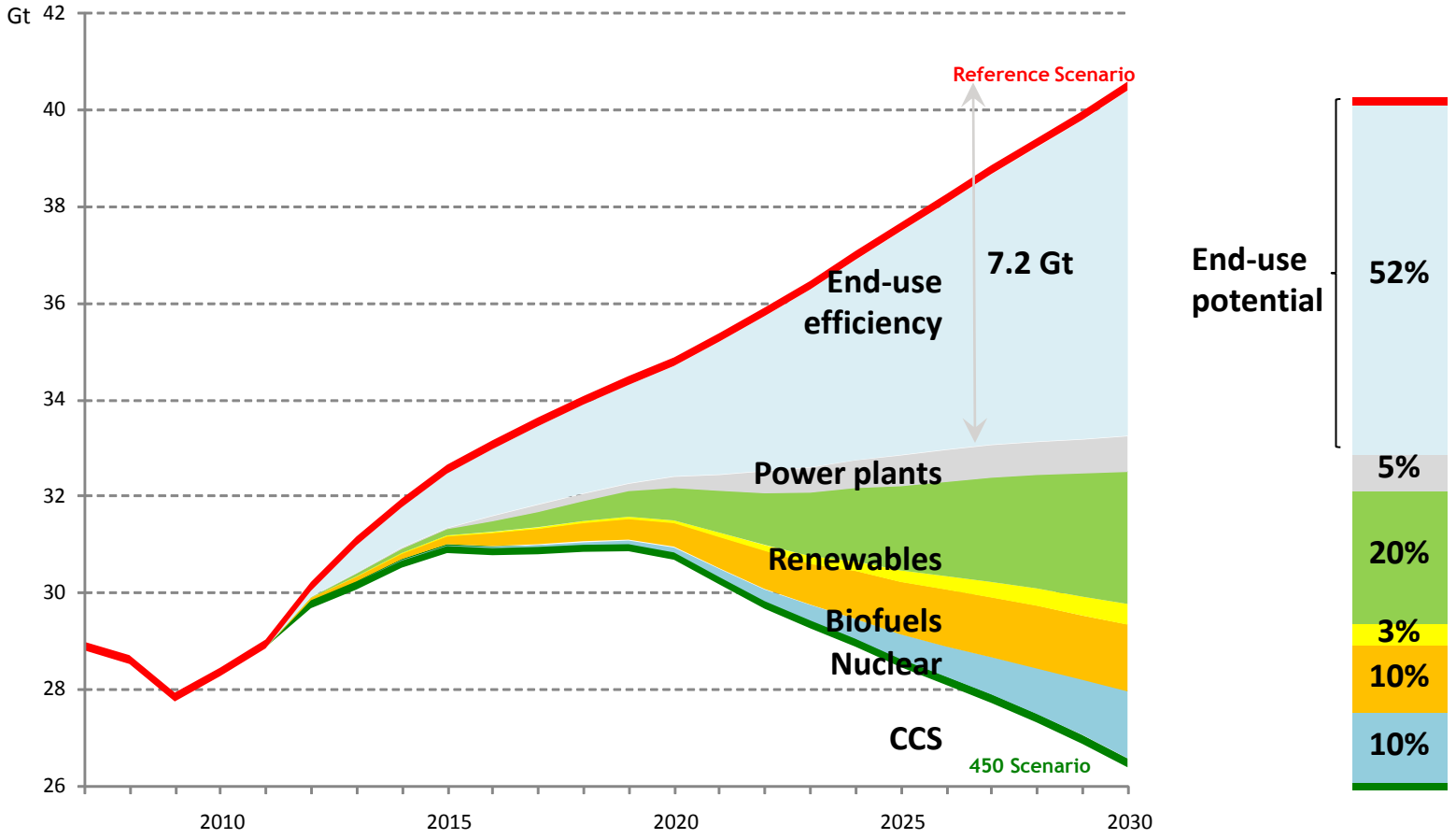




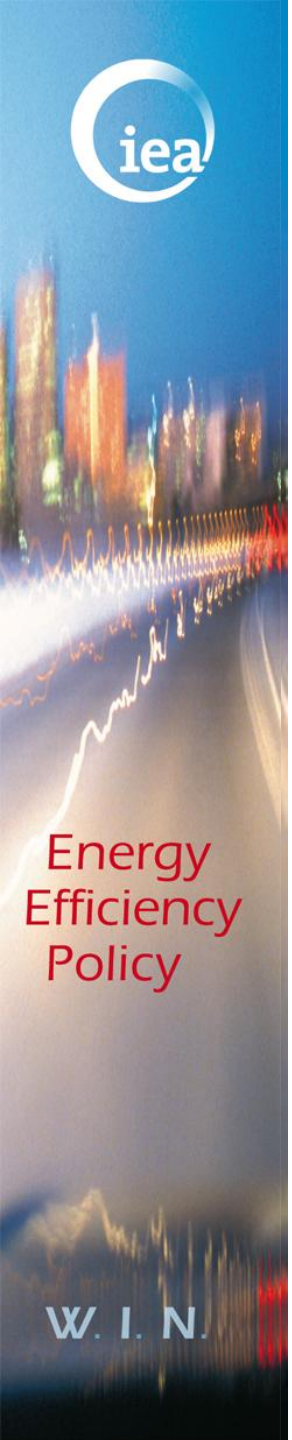
Why the Recommendations Work

- Directly linked to the IEA's work on climate change
  - World abatement of energy-related CO_2 under the 450 scenario
  - Estimates of potential impacts by sector and recommendation
- Provides a "policy package" that can be taken up by leaders
- Easily communicated to and recognized by a worldwide audience
  - IEA "brand" and dissemination capacity
  - 21,000 downloads in the past 18 months
- Reflects a high quality of analysis from an objective source
- Conducive to tracking implementation progress over time
- Most of the recommendations apply to non-IEA member countries as well

Energy Efficiency provides half of CO_2 emissions reduction in the 450 Scenario



Full implementation of the IEA 25 energy efficiency recommendations is essential to achieve the 450 scenario.



The Recommendations have been embraced by political leaders

- IEA Energy Ministerial 2007

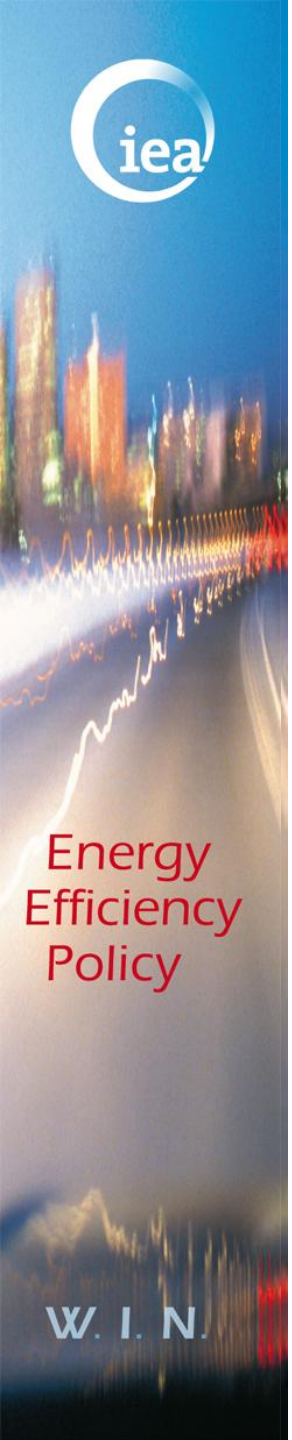
  "We strongly welcome and consider implementing as soon as possible, according to national circumstances, the recommendations on improving energy efficiency that the IEA has prepared"

- G8 Heiligendamm 2007

  "…take forward the concrete recommendations on energy efficiency presented by the IEA and consider drawing on these when preparing national energy efficiency plans".

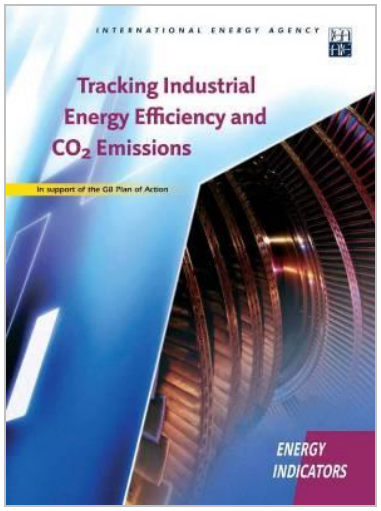
- G8 Hokkaido 2008

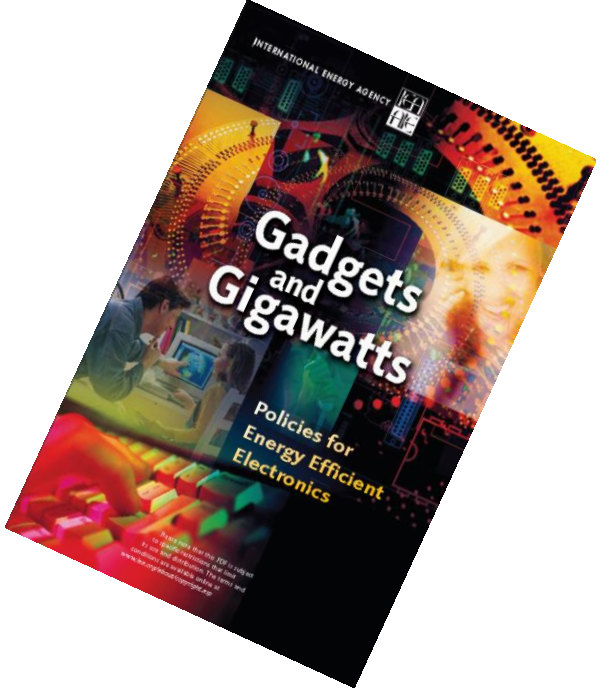
  "…we will maximize implementation of the IEA's 25 recommendations on energy efficiency"

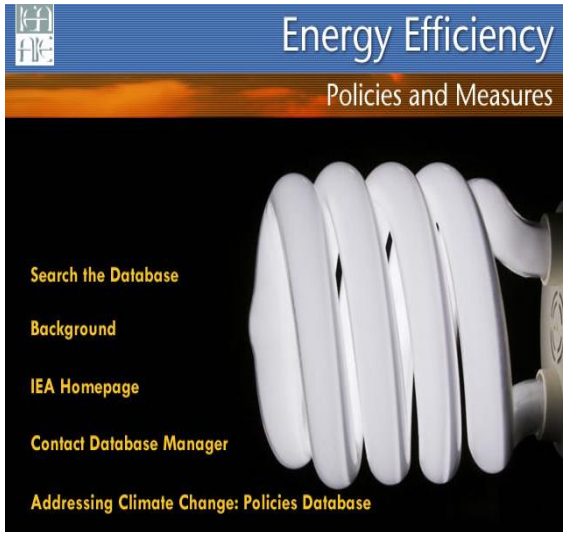


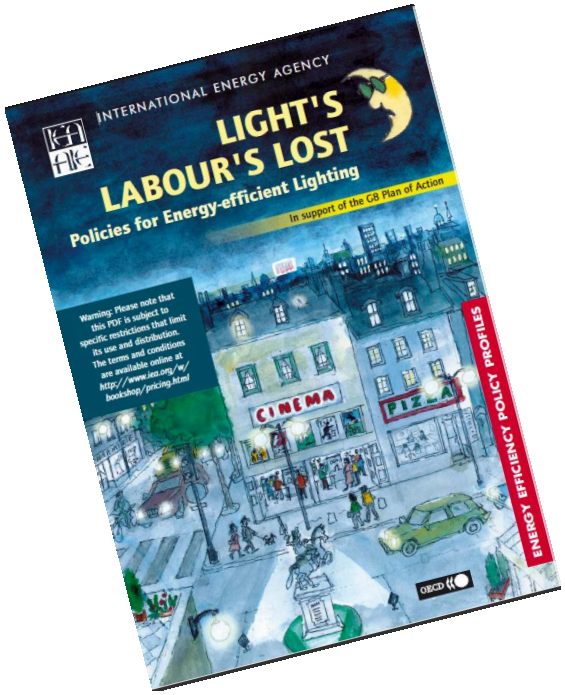
Strong Analytic Foundation

- Builds on ten years of IEA research



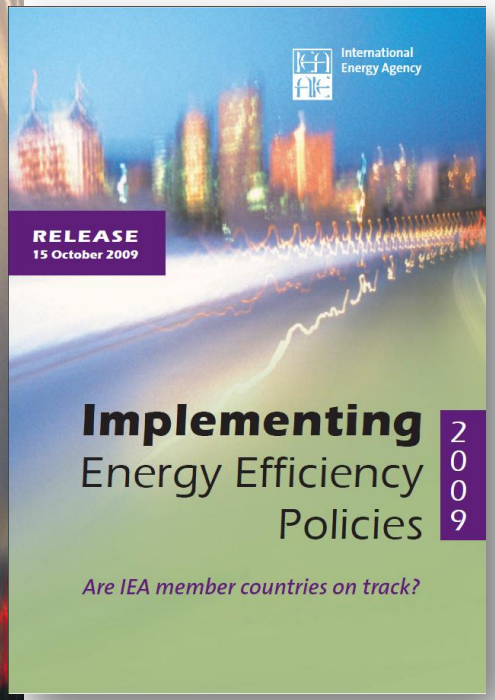






Conducive to tracking over time

- Each IEA member country was surveyed to check implementation status of the Recommendations
- Purpose was to assist countries to improve their energy efficiency policies, using the 25 recommendations as a common benchmark



Fully implemented

Substantial implementation

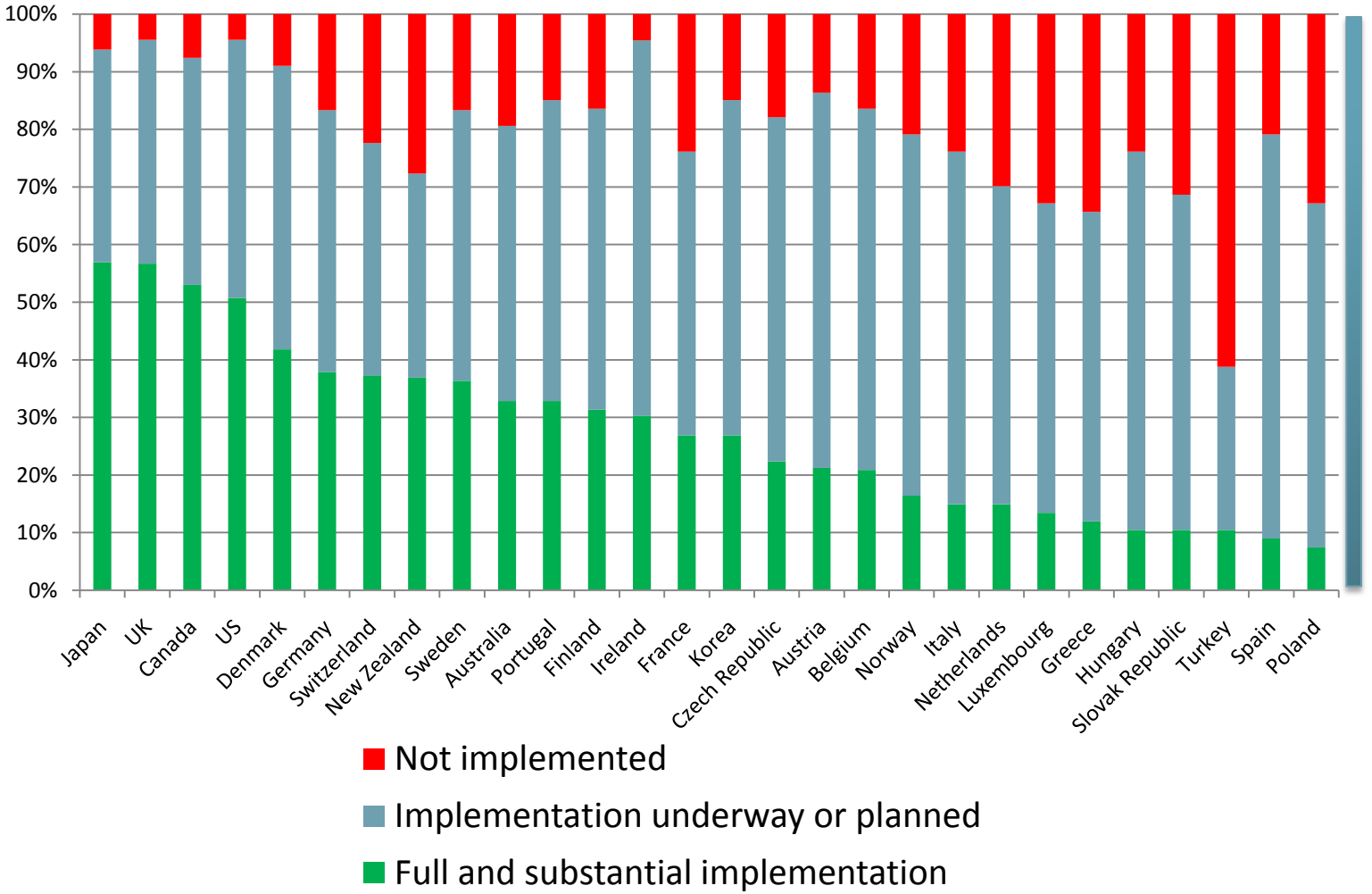
Implementation underway

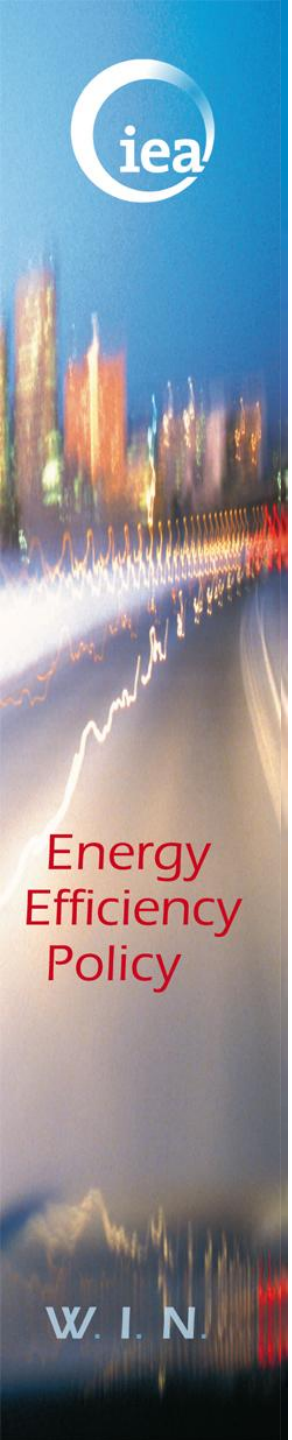
Plan to implement

Not implemented

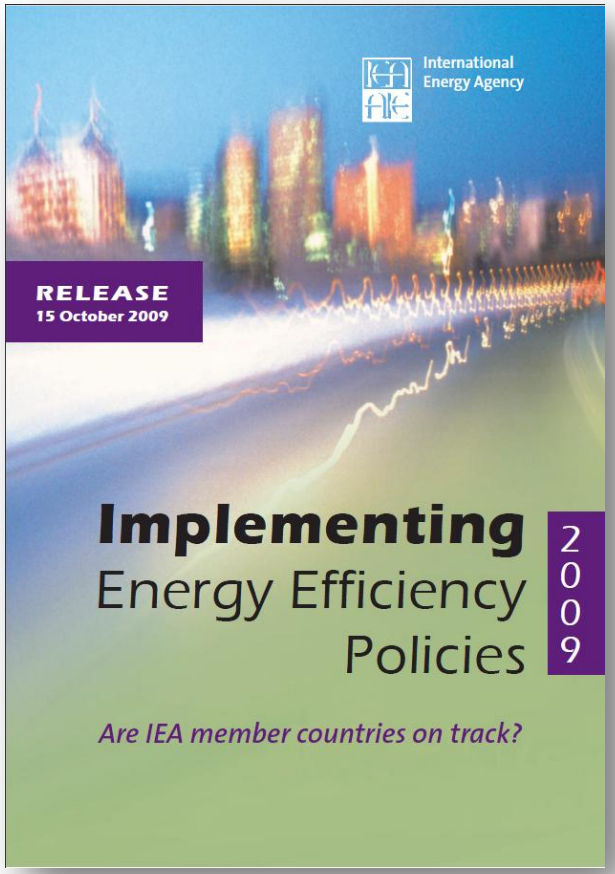
Non applicable

2009 review reveals the need to scale-up implementation across IEA member countries




Energy
Efficiency
Policy
W. I. N.

Thank you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