ENERGY EFFICIENCY

Several IEA Strategic Actions to Increase Energy Efficiency: EEMR 2015 and Multiple Benefits

Philippe Benoit, Tyler Bryant, Nina Campbell

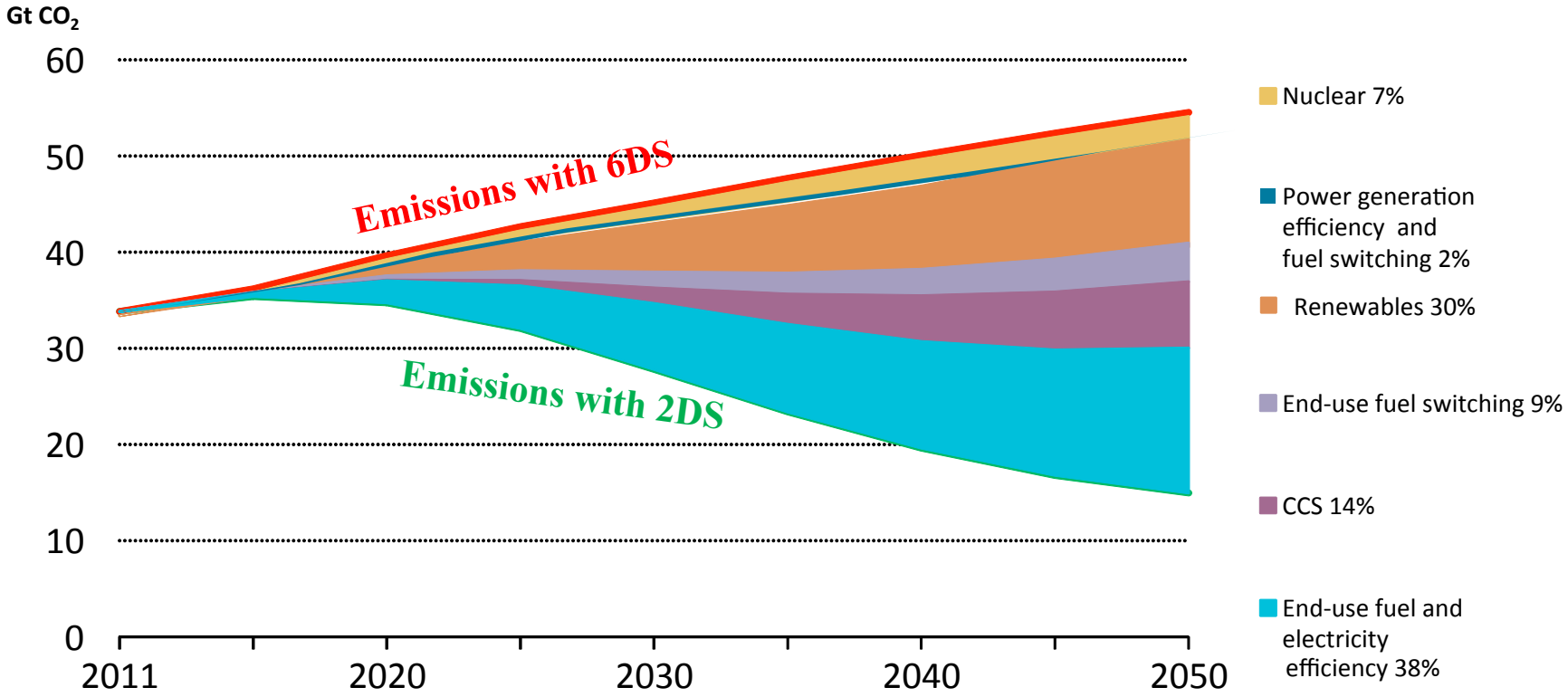
Energy Efficiency and Environment Division

ECEEE, Brussels, 21 October 2014

International Energy Agency

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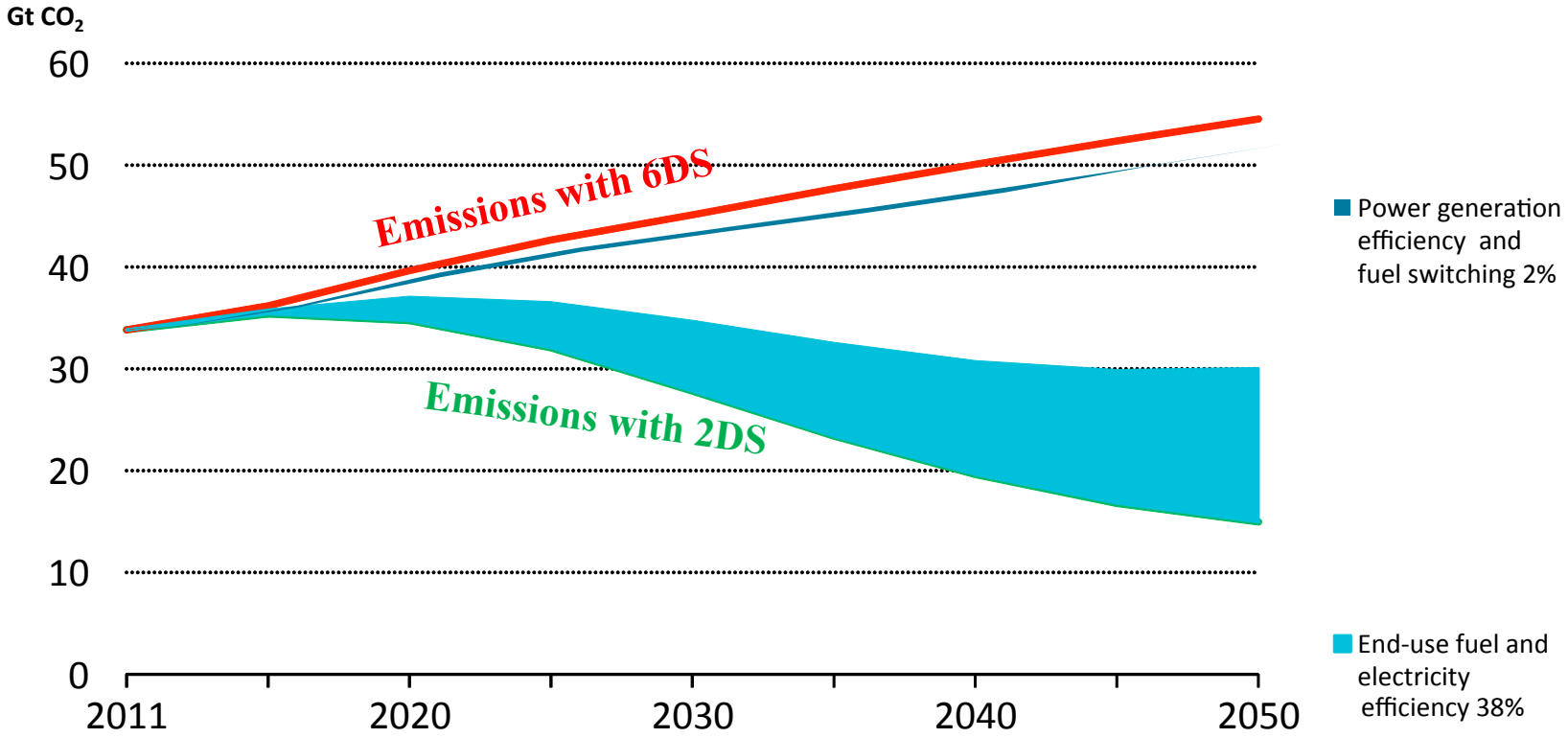
Portfolio of actions to reduce energy sector emissions



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Portfolio of actions to reduce energy sector emissions

EE provides largest contribution to abatement

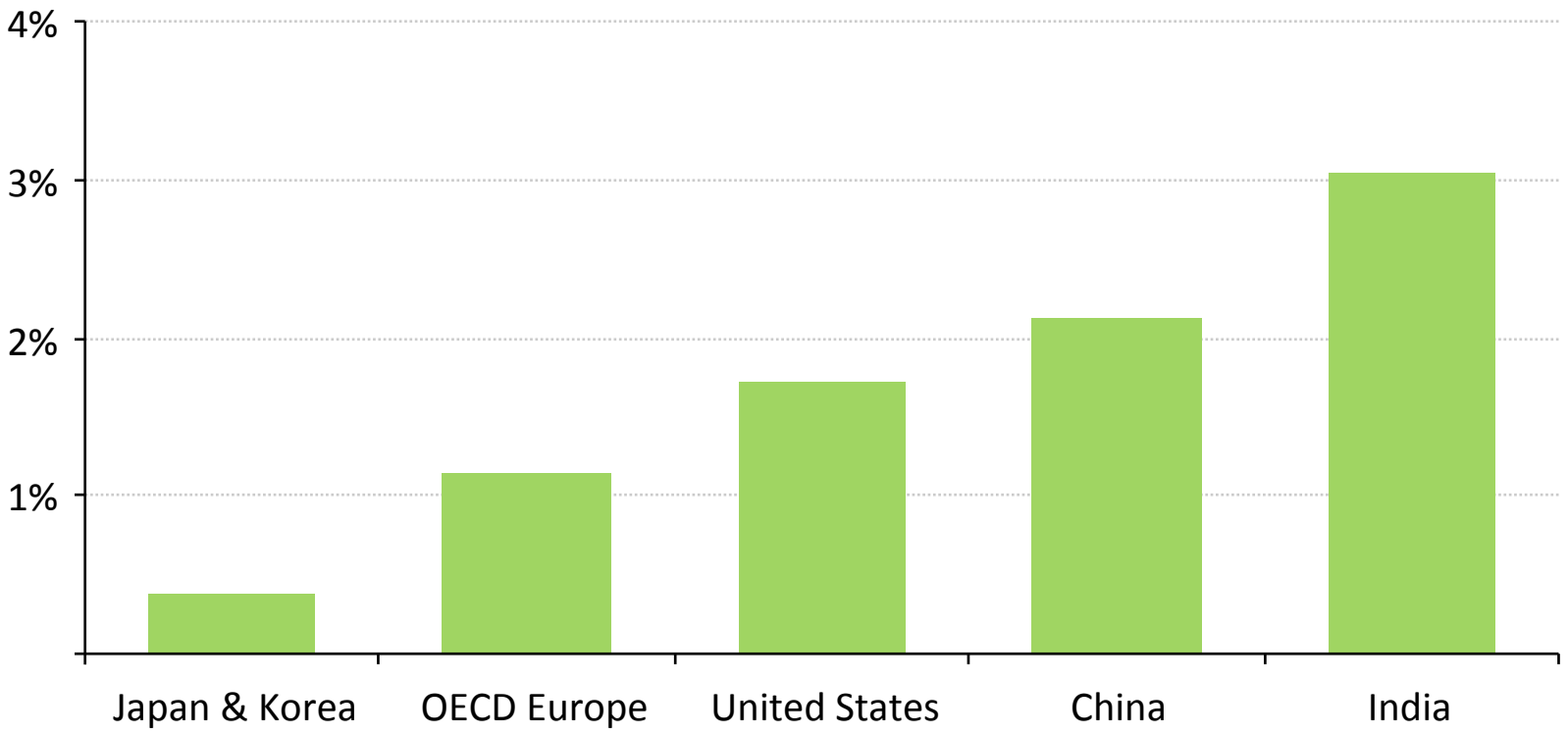


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Energy efficiency can help drive economic prosperity

WORLD ENERGY OUTLOOK 2012

GDP in Efficient World Scenario versus New Policies Scenario, 2035

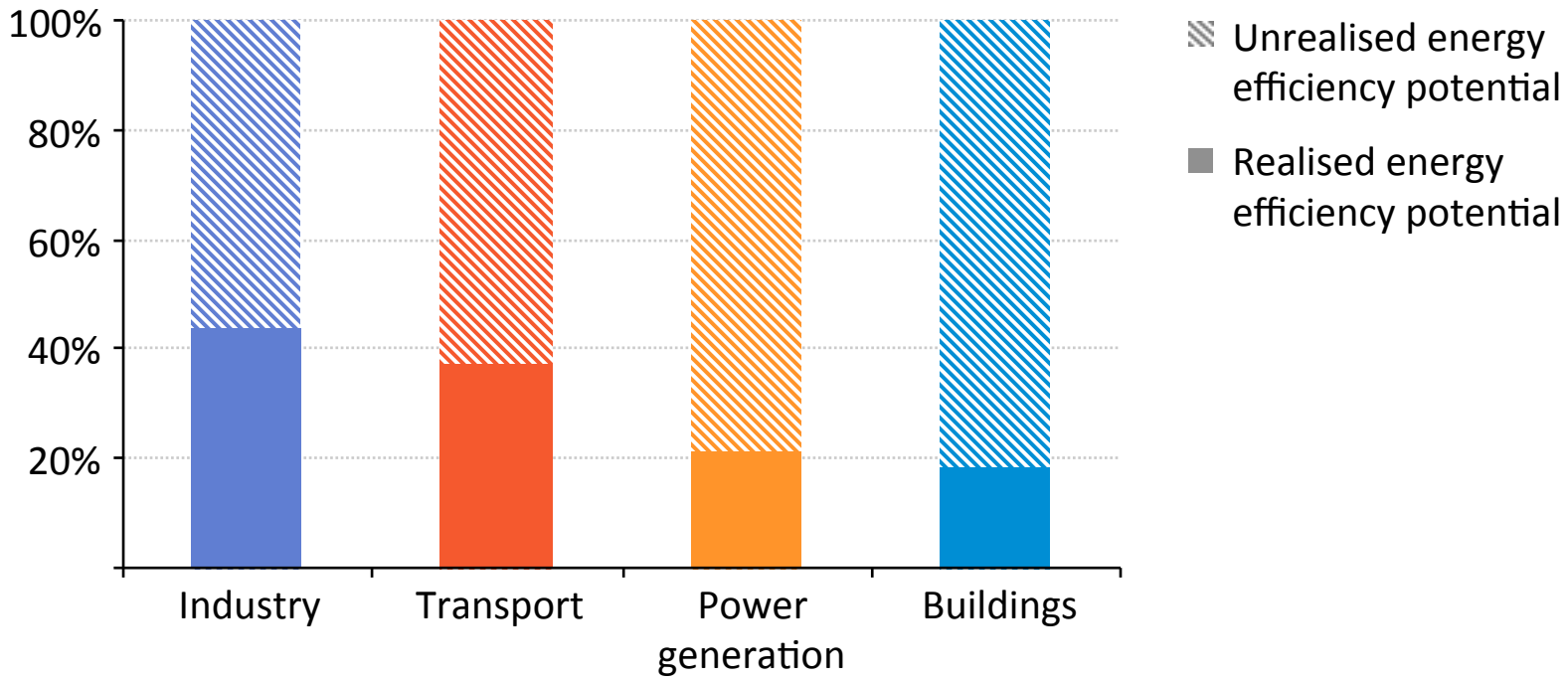


Cumulative investments in energy efficiency of $12 trillion are more than offset by fuel savings & trigger economic growth of a cumulative $18 trillion

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A huge opportunity going unrealised

Energy efficiency potential used by sector in the WEO 2012 New Policies Scenario



Two-thirds of the economic potential to improve energy efficiency remains untapped in the period to 2035

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Facing up to the Fuels Competition

EE keeps producing :



2010

2014

2024

Energy Efficiency

2010

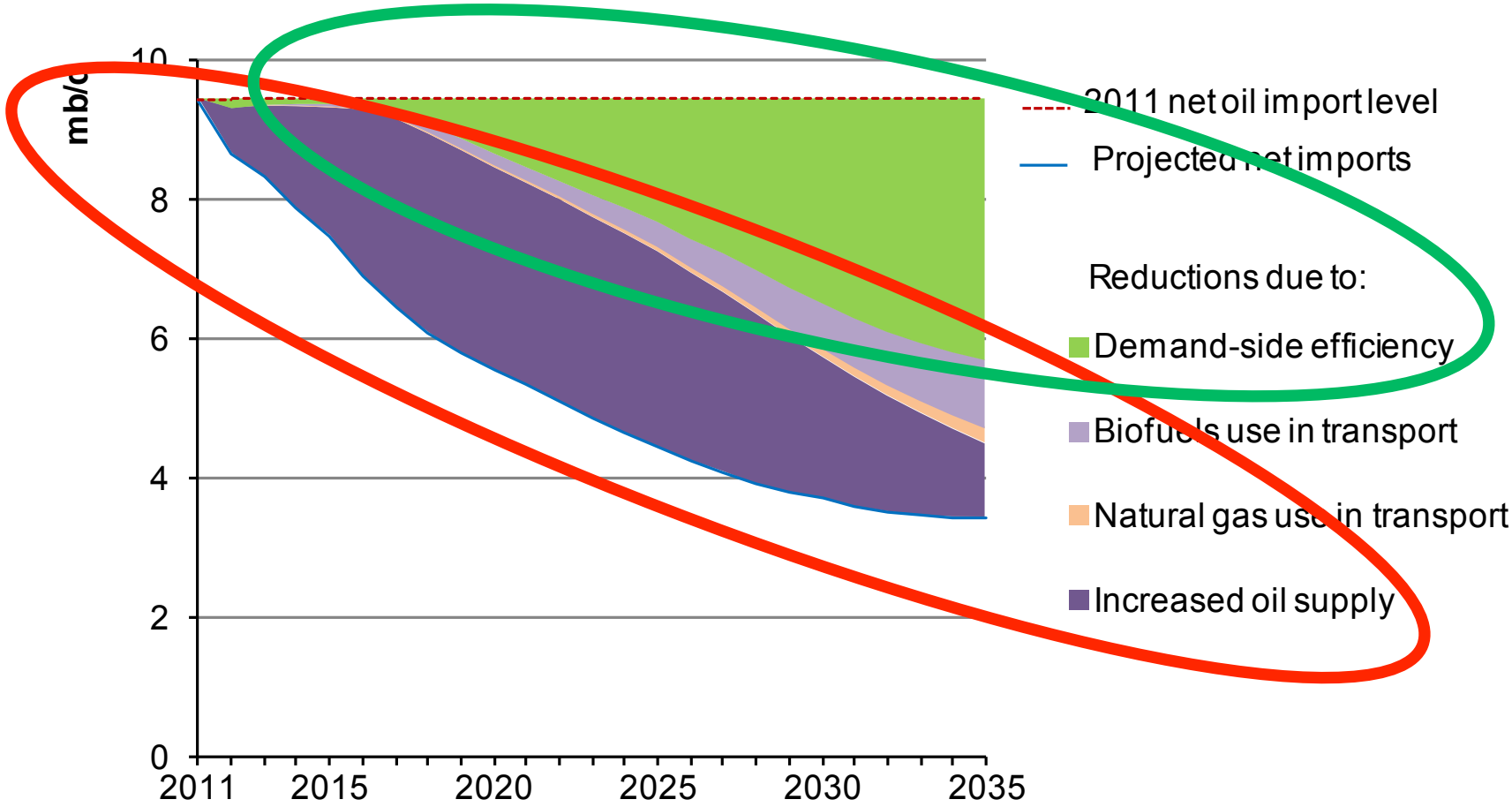
2014

2024

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Impact of supply- and demand-side improvements on US oil import needs

WORLD ENERGY OUTLOOK 2012

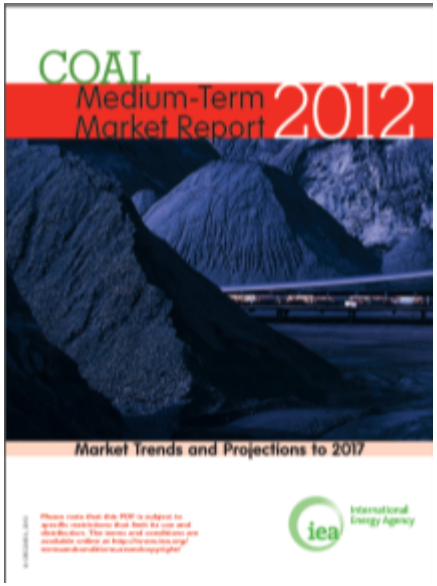


Source: WEO 2012

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IEA fuel market reports









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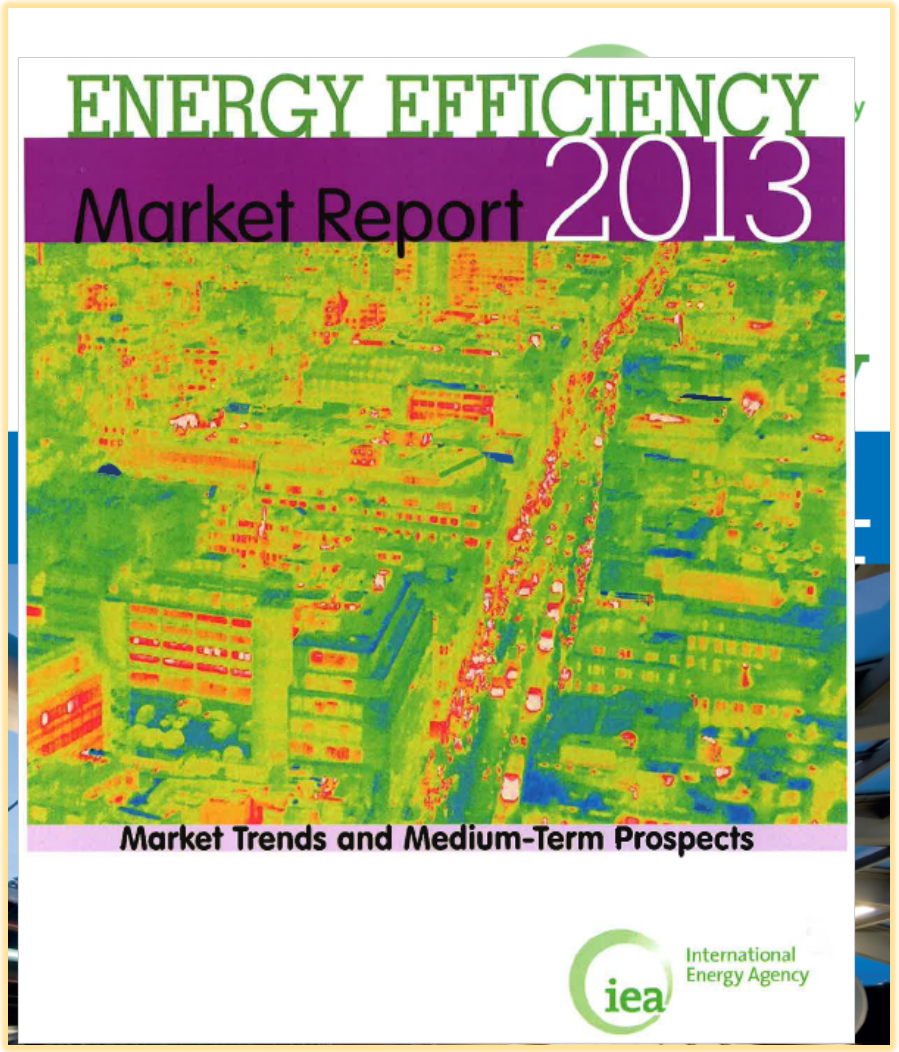


IEA's Energy Efficiency Market Report

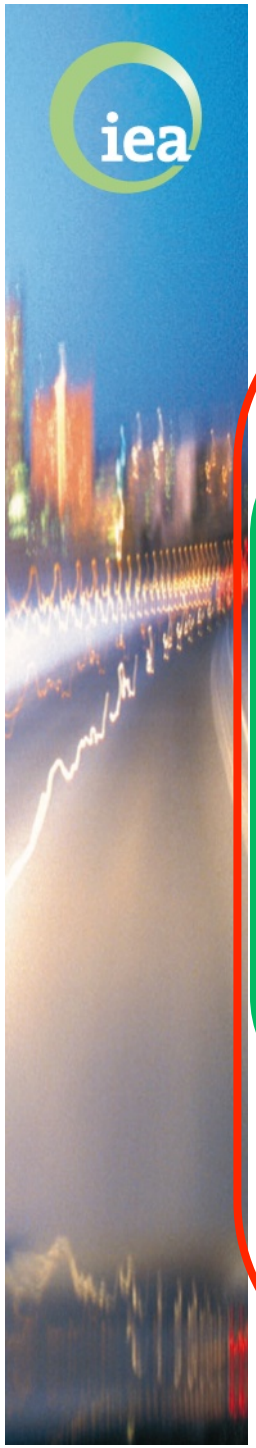
- **Defining and 'Sizing' the market:**
  - **Inputs**
  - **Outputs**
- **Diffuse and Varied:**
  - **Local specificities w/Common elements**
- **Prospects**
- **Data/methodological challenges**

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IEA's Energy Efficiency Market Report



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Building bridges . . .

The Public

International

- Energy prices
- Resource management
- GHG emissions abatement

More Public/Private Stakeholders

National

- Macroeconomic effects
- Job creation
- Energy security
- Public budget impacts

Sectoral

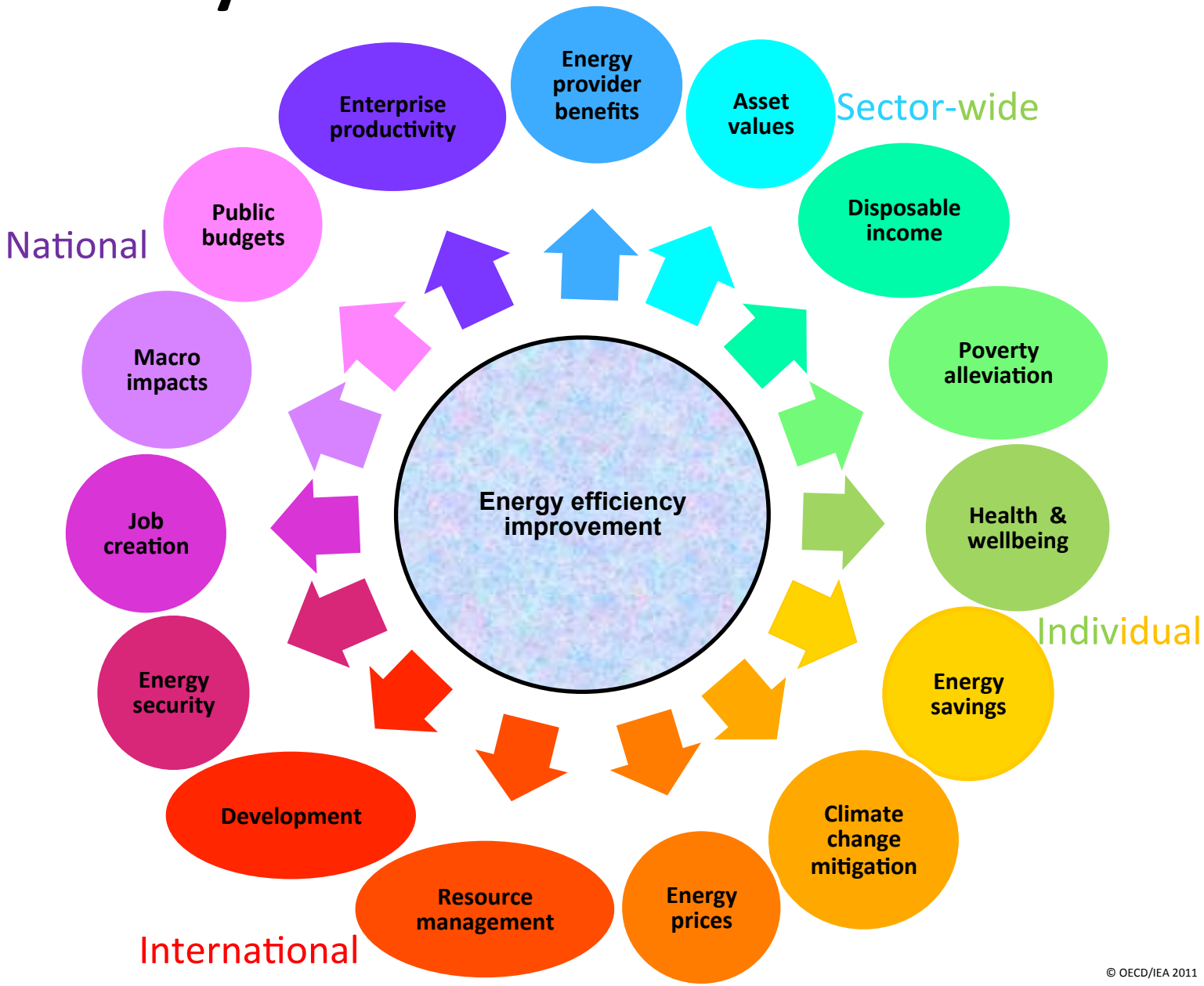
- Increased asset values
- Energy provider and infrastructure benefits
- Industrial productivity and competitiveness

Individual

- Health, wellbeing and social improvements
- Poverty alleviation: energy affordability & access
- Increased disposable income

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The many benefits of EE



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‘Different strokes for different folks’

Benefits vs. Co-Benefits → Multiple Benefits

	Country or Stakeholder A	Cty/Stk B	Ctry/Stk C	Etc.
Industrial Competitiveness	Co-Benefit			
Fuel Imports	Primary	Co-Benefit		
Poverty Alleviation and Development			Primary	
GHG Emissions		Primary	Co-Benefit	
Job Creation	Co-Benefit	Co-Benefit		
Etc.				

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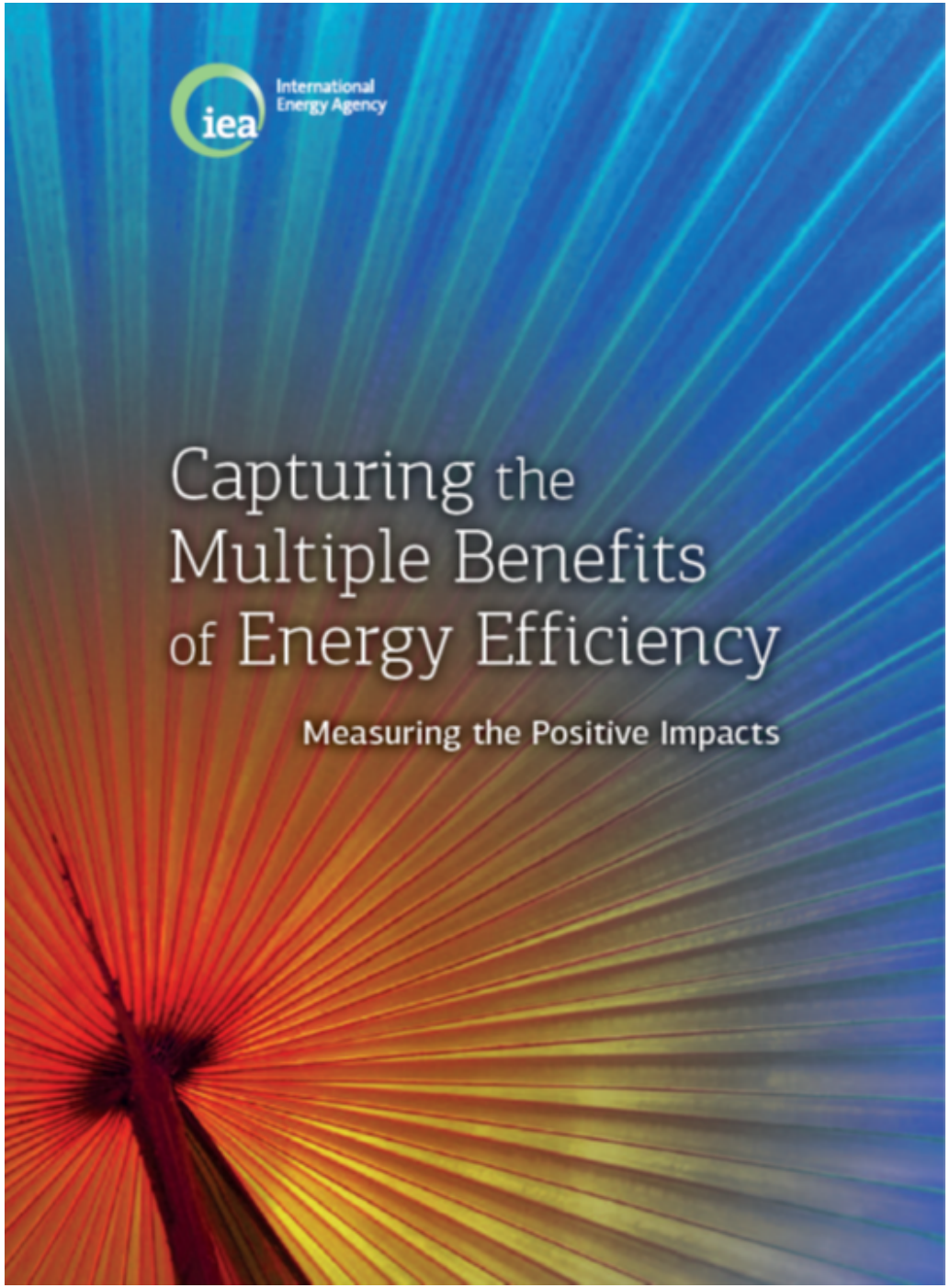


Multiple Benefits: a ‘work-stream’

- Raise Awareness
- Increase Analytical Substance
- Identify Methodological Tools
- Build Capacity

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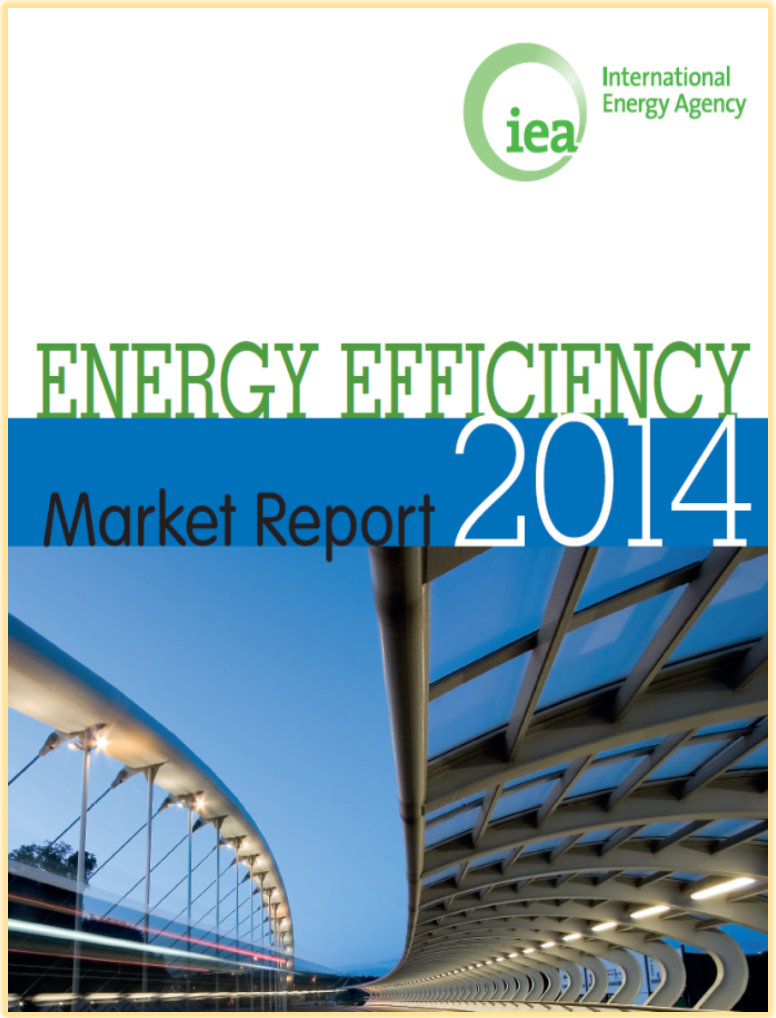


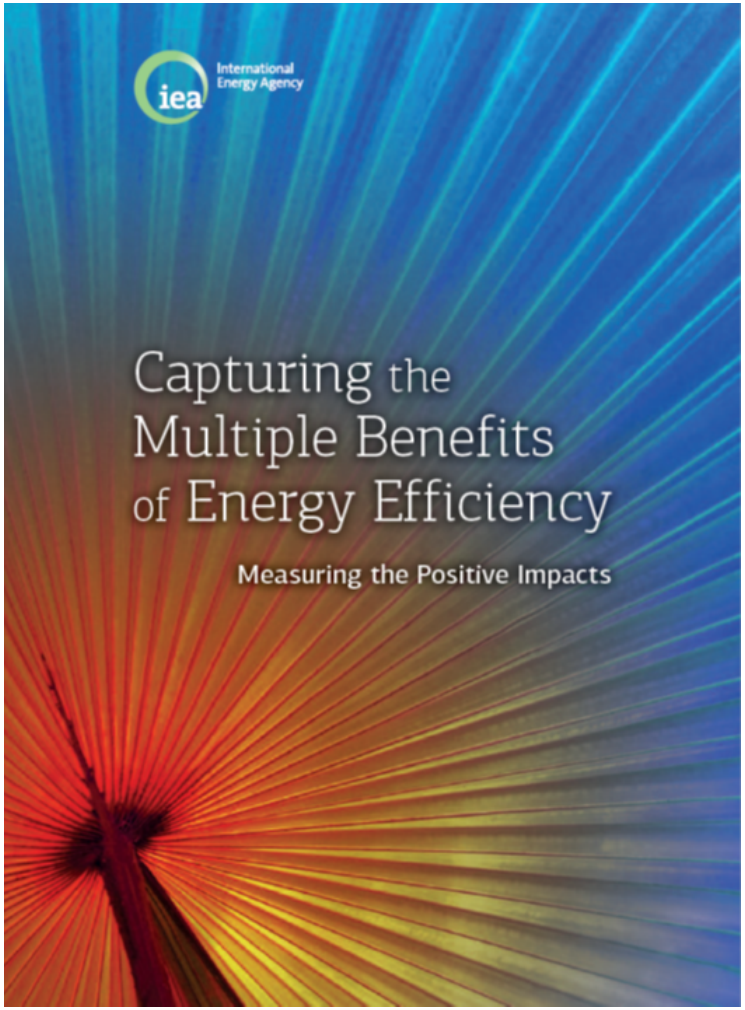


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