Energy Technology Perspectives 2015:
Mobilising Innovation to Accelerate Climate Action

Asia Clean Energy Forum

Manila, 18 June 2015

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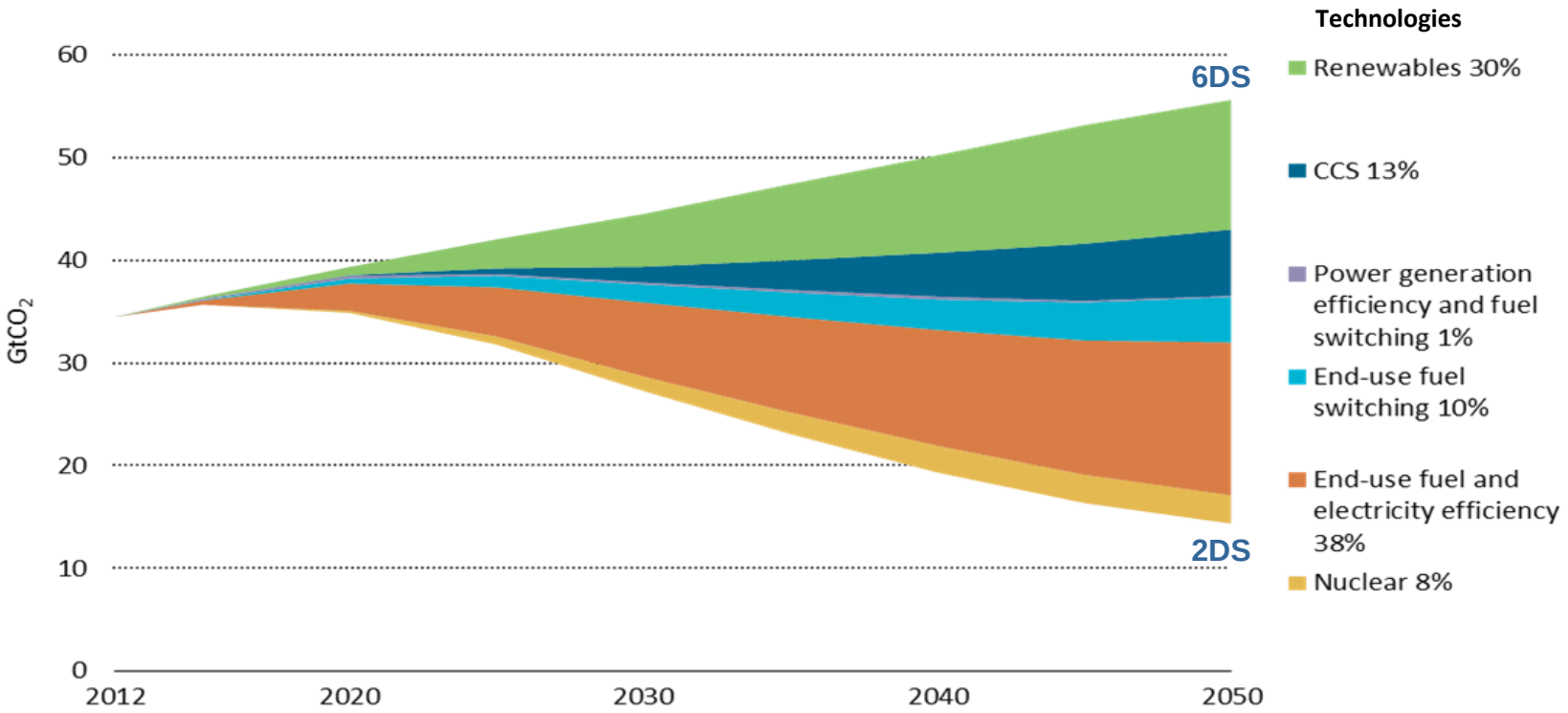
Energy Innovation is crucial in making the 2DS possible

ETP 2015

Contribution of technology area to global cumulative CO2 reductions



Energy innovation has already yielded solutions, but needs support and guidance to deliver on its promises

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Clean energy is not ramping up fast enough - Despite some progress

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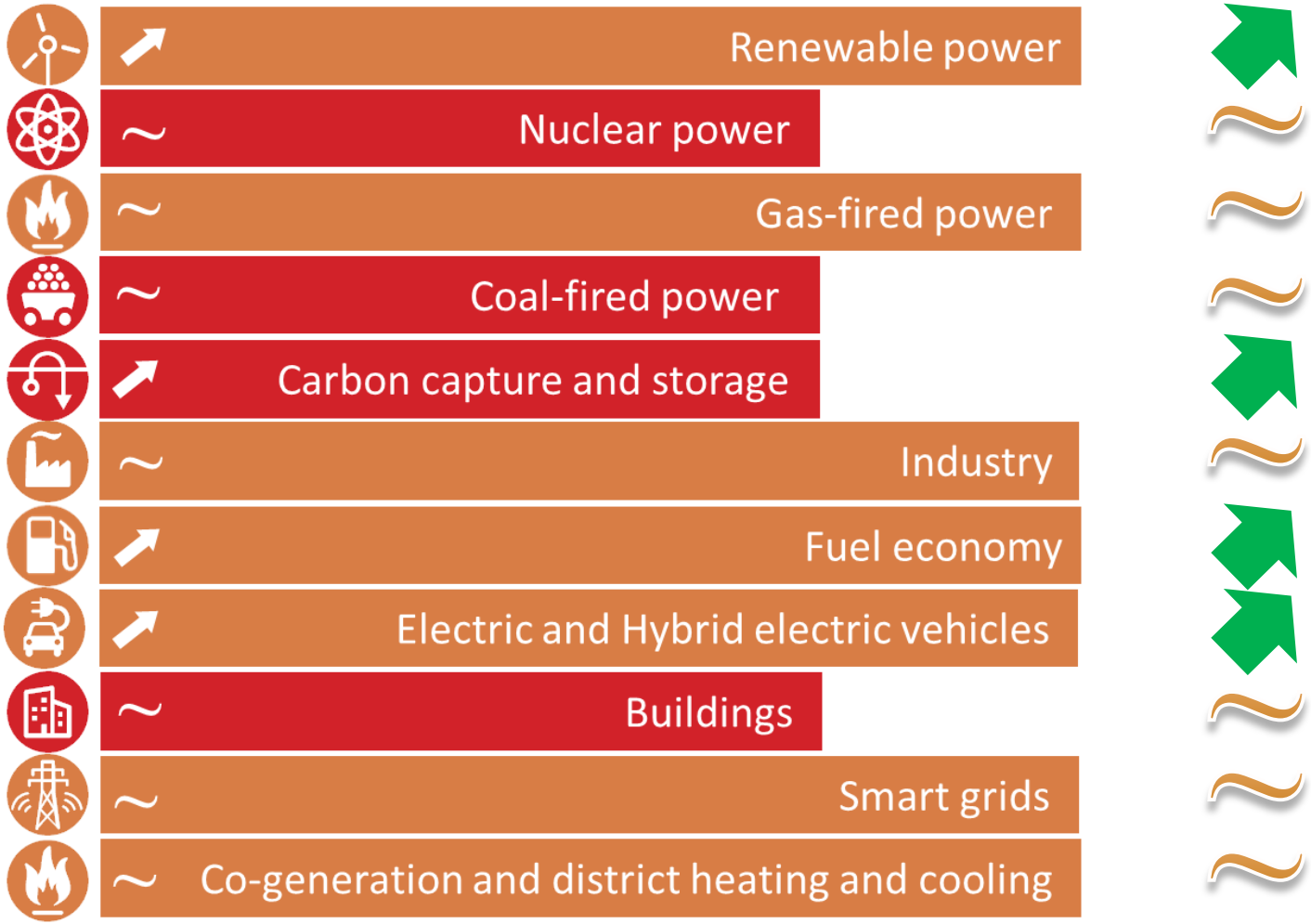

Evidence shows that despite continued progress in many areas, for the first time none of the technologies are in line with 2DS goals

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Supporting Energy Innovation: The right policy at the right time

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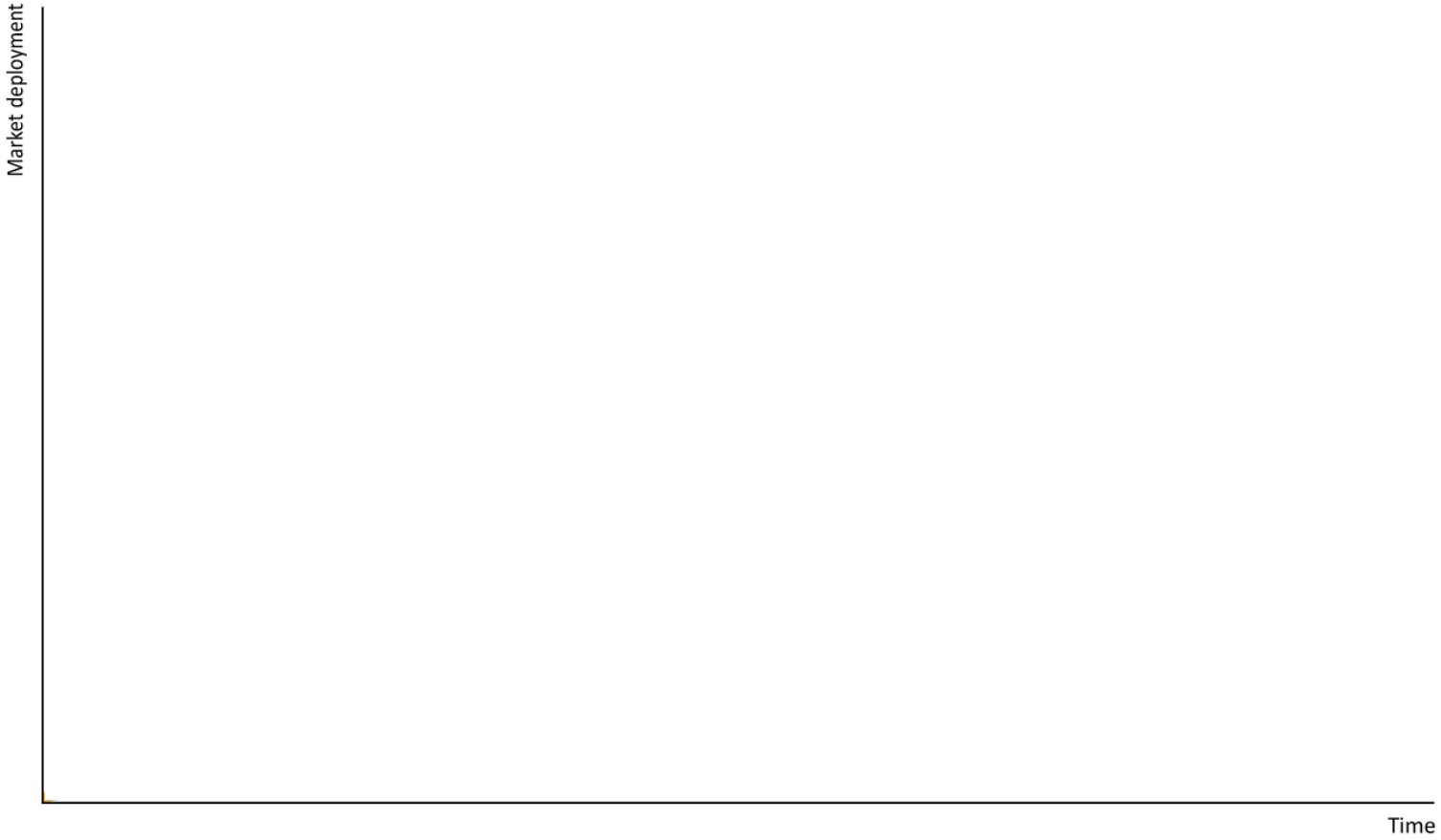

The right support depends on the maturity of the technology and the degree of market uptake

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Building innovation capacity is key to successful technology deployment

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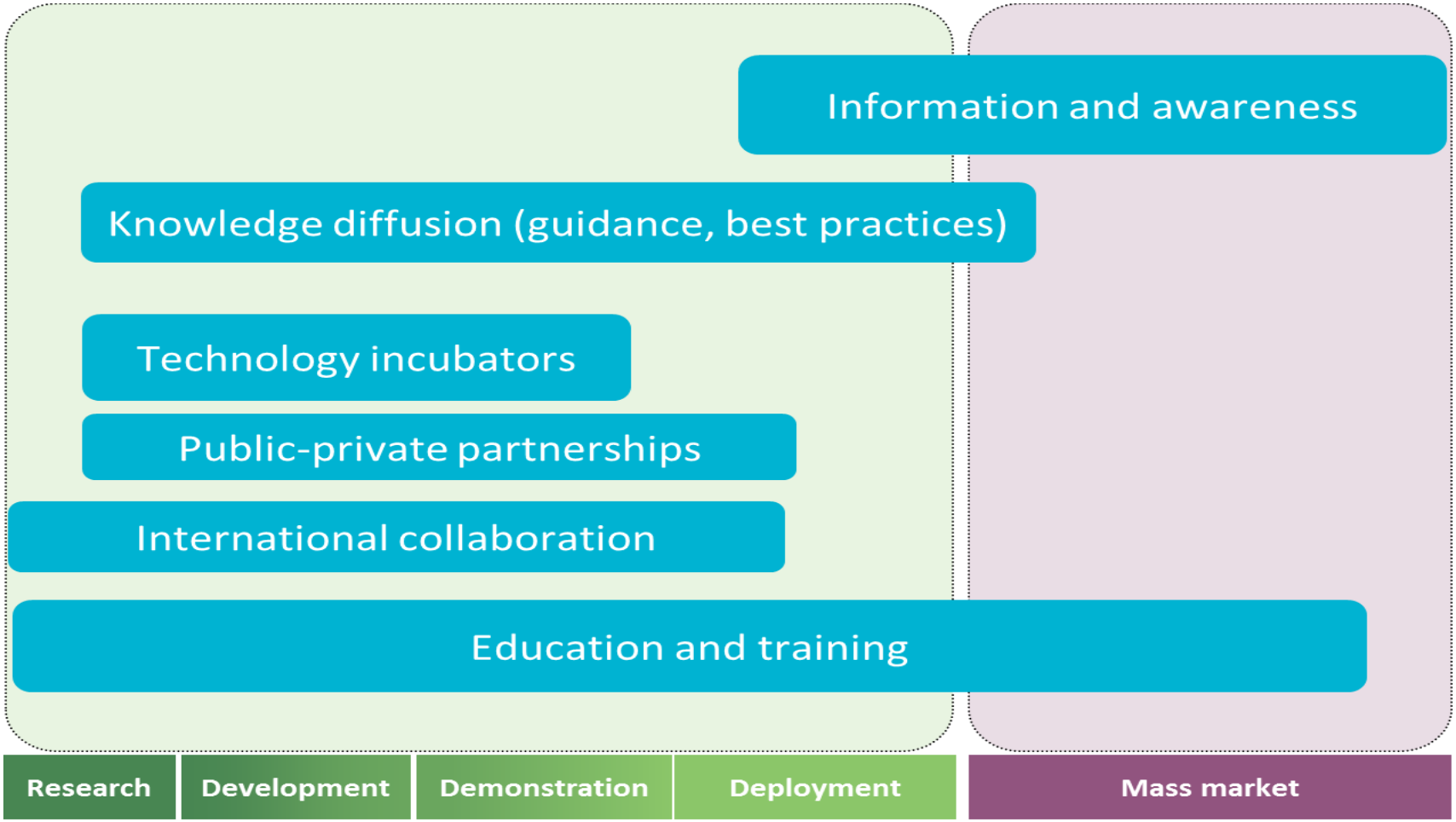

Cooperation between industrial and emerging economies could be a win-win solution

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Innovation in a diverse world: no “one-size fits all” solution

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Understanding local circumstances is essential to support innovation where it has the most impact

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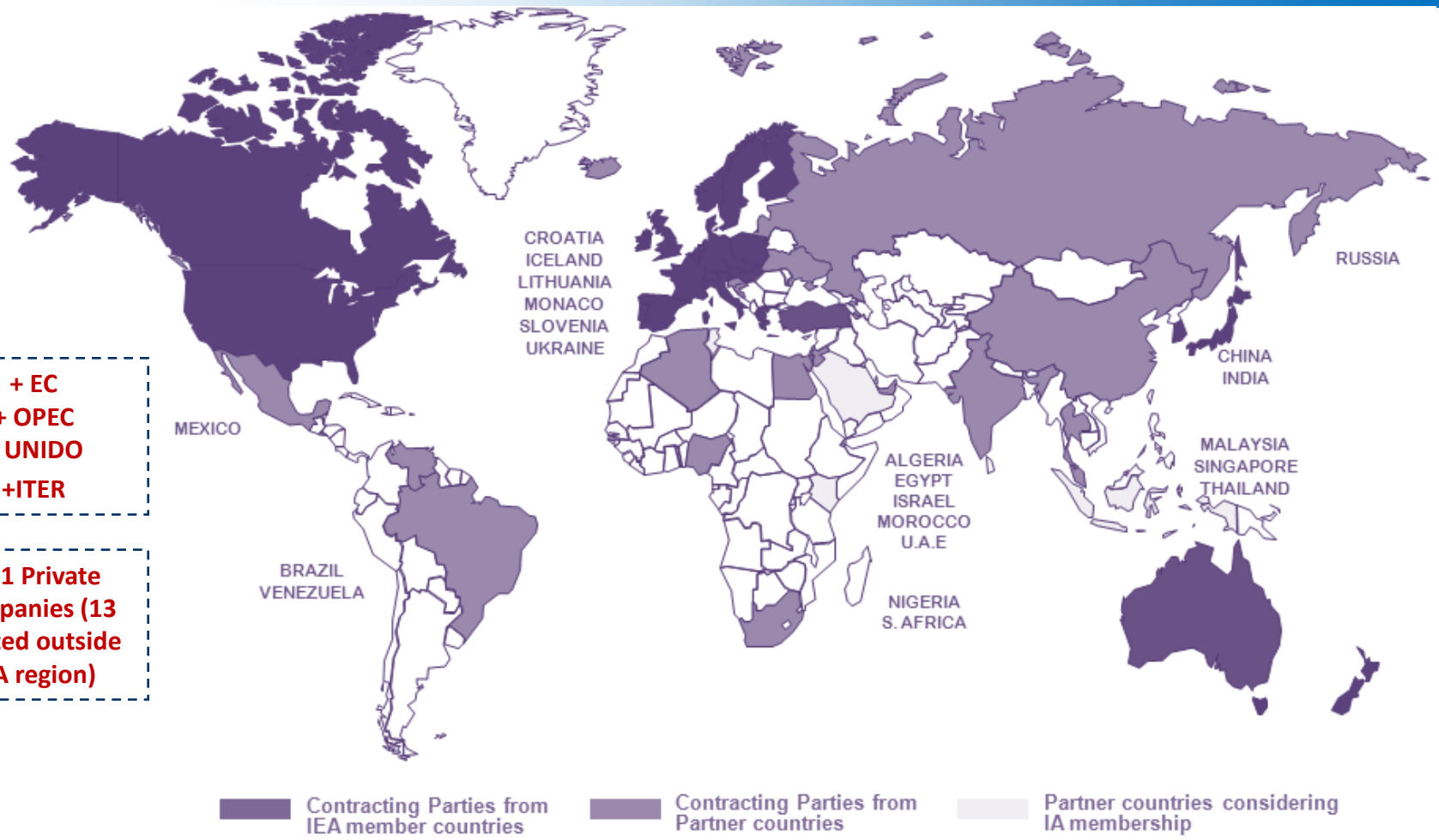
www.iea.org

IEA Implementing Agreements (IAs)



+ EC
+ OPEC
+ UNIDO
+ITER

+ 61 Private companies (13 located outside IEA region)

More than 6,000 scientists and experts
Representing 500 government agencies, research organisations, universities, energy companies, industries, businesses, and consultants
Over 1,400 projects completed to date

iea Energy Technology Network

Thank you

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Explore the data behind ETP

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IEA Energy Technology Activities

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- Where do we need to go?
- Where are we today?
- How do we get there?

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IEA Technology Roadmaps

Mapping where we need to go…

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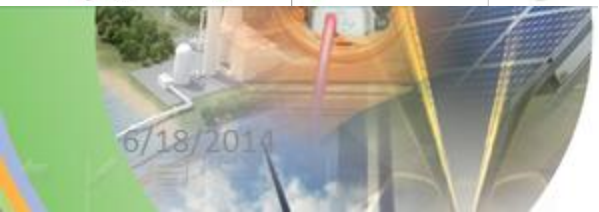
2009 **2010** **2011** **2012** **2013** **2014** **2015**

Q2 2015
Hydrogen
Fuel Cells

2016

Smart Grid
Update



6/18/2014

Low-Carbon Technology Roadmaps

... By building consensus among all stakeholders

- Goal to achieve
- Milestones to be met
- Gaps to be filled
- Actions to overcome gaps and barriers
- What and when things need to be achieved

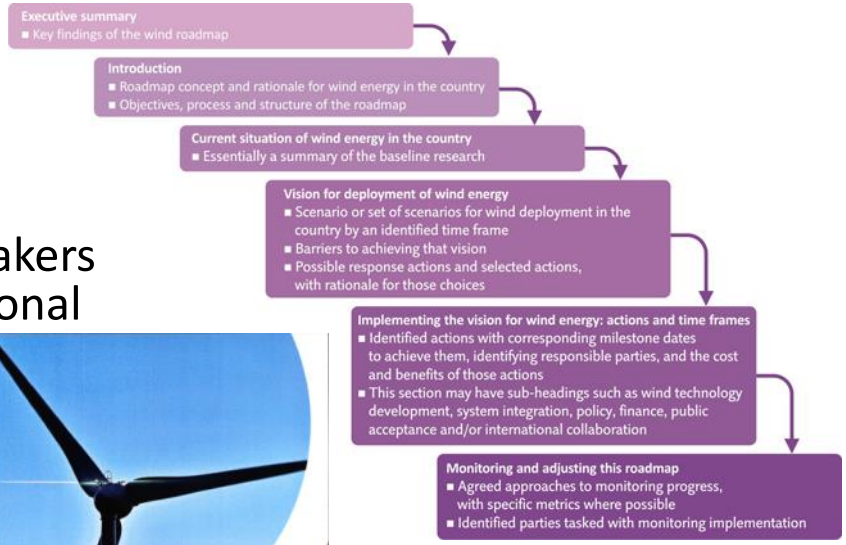
How2Guides principles

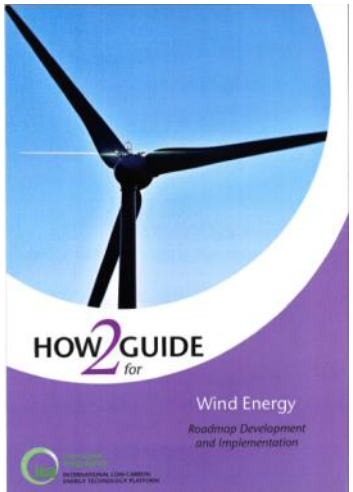
IEA Global Roadmap

Engages with public and private stakeholders to establish the barriers to technology deployment and the policies needed

IEA Technology Platform How2Guide

Provides practical information for policy makers and planners to establish a national or regional technology-specific roadmap





INTERNATIONAL LOW-CARBON ENERGY TECHNOLOGY PLATFORM

Investment in our future pays off…

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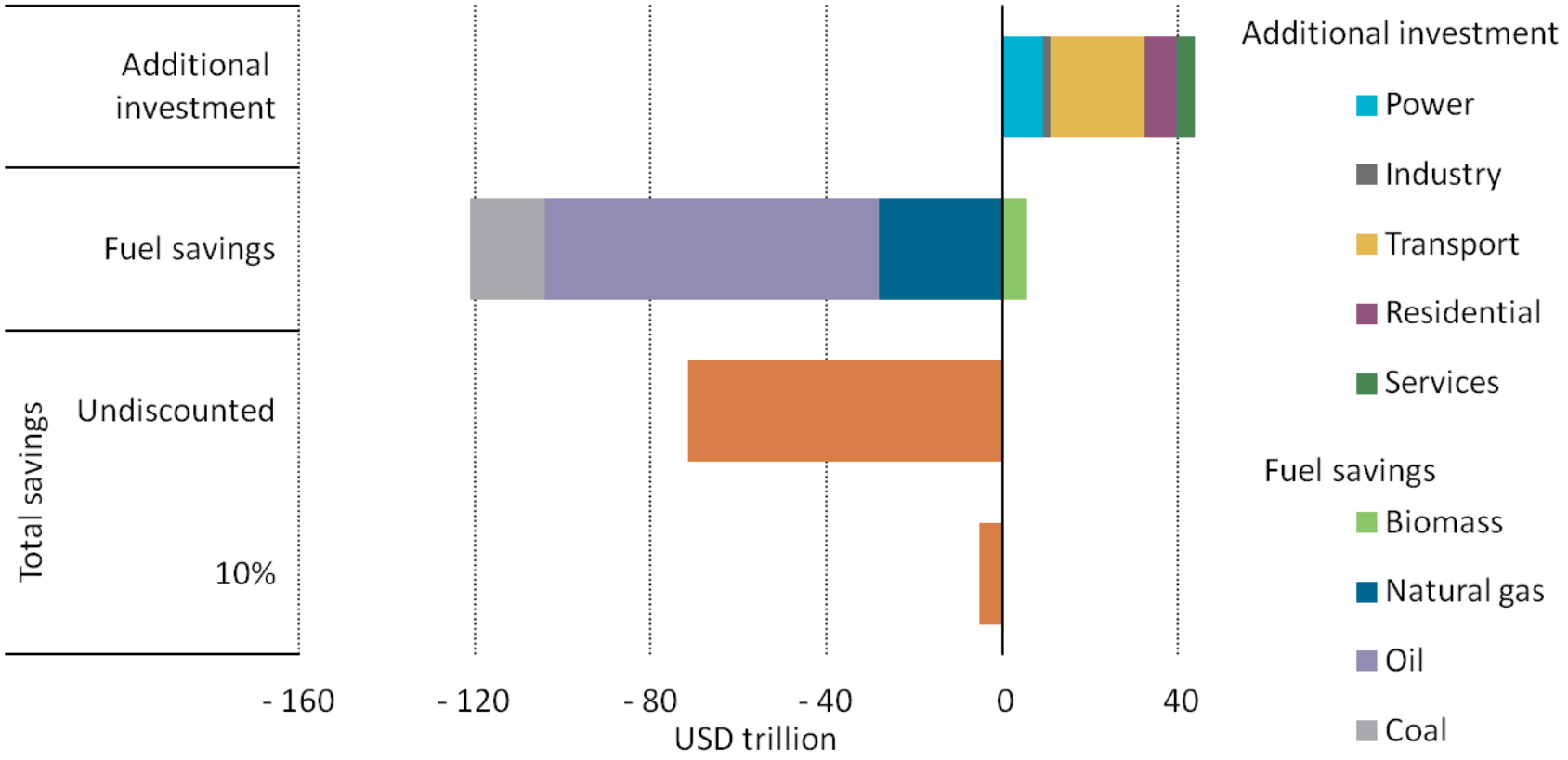

…and it is cost effective to make the transition

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