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Energy Technology Perspectives: Supporter la Transition Énergétique Durable

*Evènement parallèle à la COP 22 de la CCNUCC sur
La transition énergétique pour un développement bas carbone*

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IEA supports the low-carbon transition

IEA: the global energy authority

- Part of the OECD family
- Founded in 1974 to co-ordinate a response to oil supply disruptions
- 2015: IEA Modernisation grounded on three main pillars
 - global energy security
 - energy cooperation and global dialogue
 - promoting an environmentally sustainable energy future



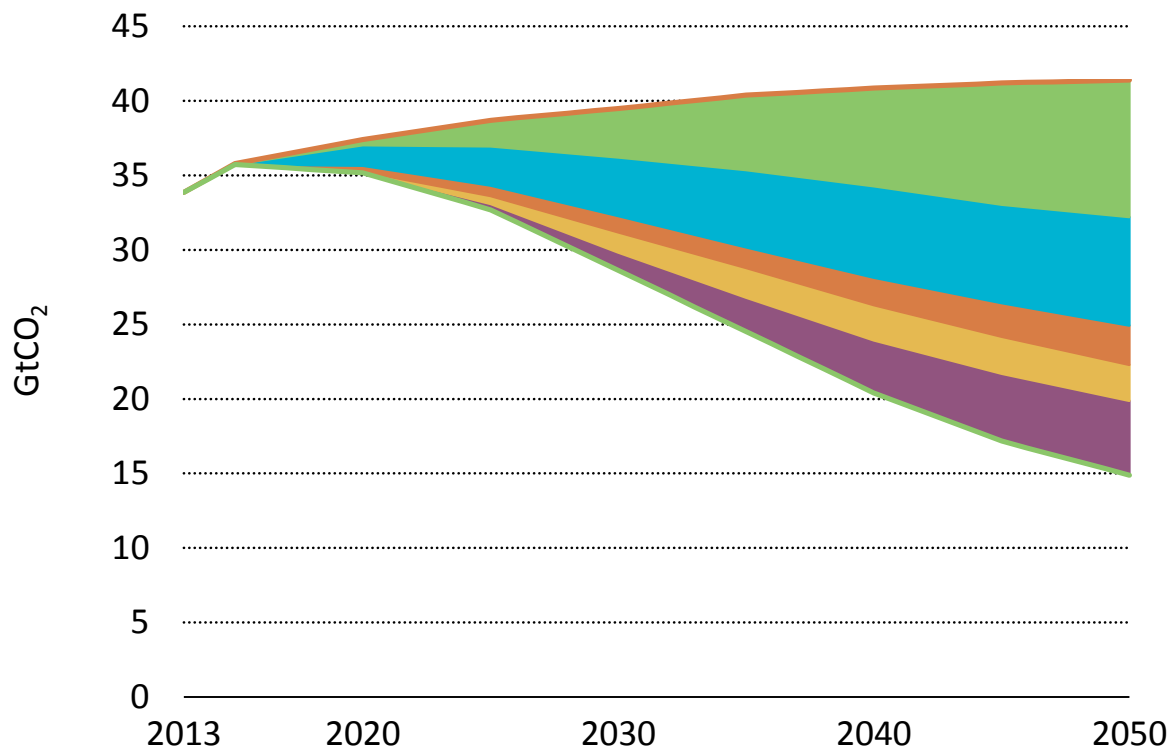
- Build on a decade of analysis on what we need to do to keep temperature increase below 2°C
- Now developing analysis on faster and deeper energy-sector decarbonisation

ENERGY 2
TECHNOLOGY 0
PERSPECTIVES 6

Energy Technology
Perspectives 2016

Sizing the scale of the challenge... ... and its solutions

Contribution of technology area to global cumulative CO₂ reductions

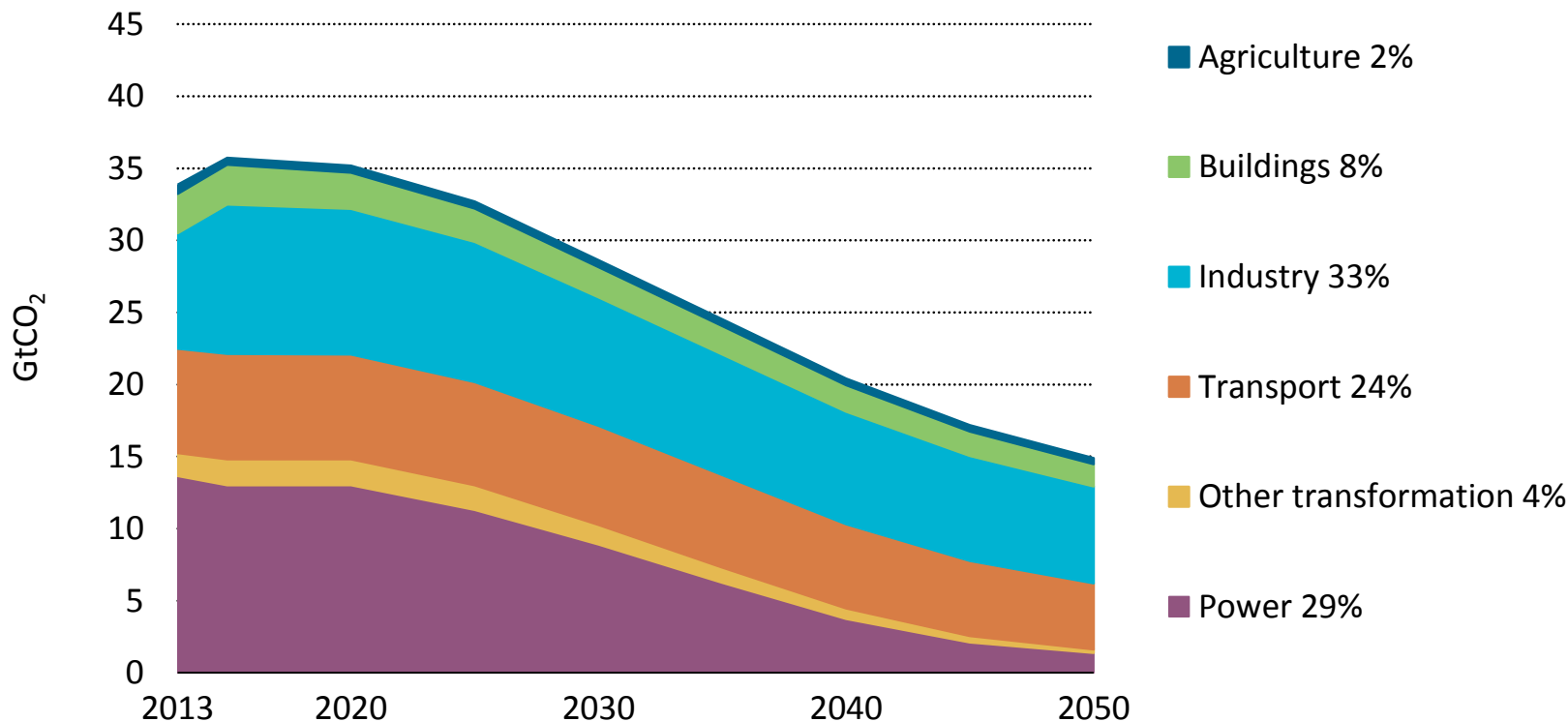


The carbon intensity of the global economy can be cut by two-thirds through a diversified energy technology mix

ETP
2016

But the challenge increases to get from 2 degrees to “well below” 2 degrees

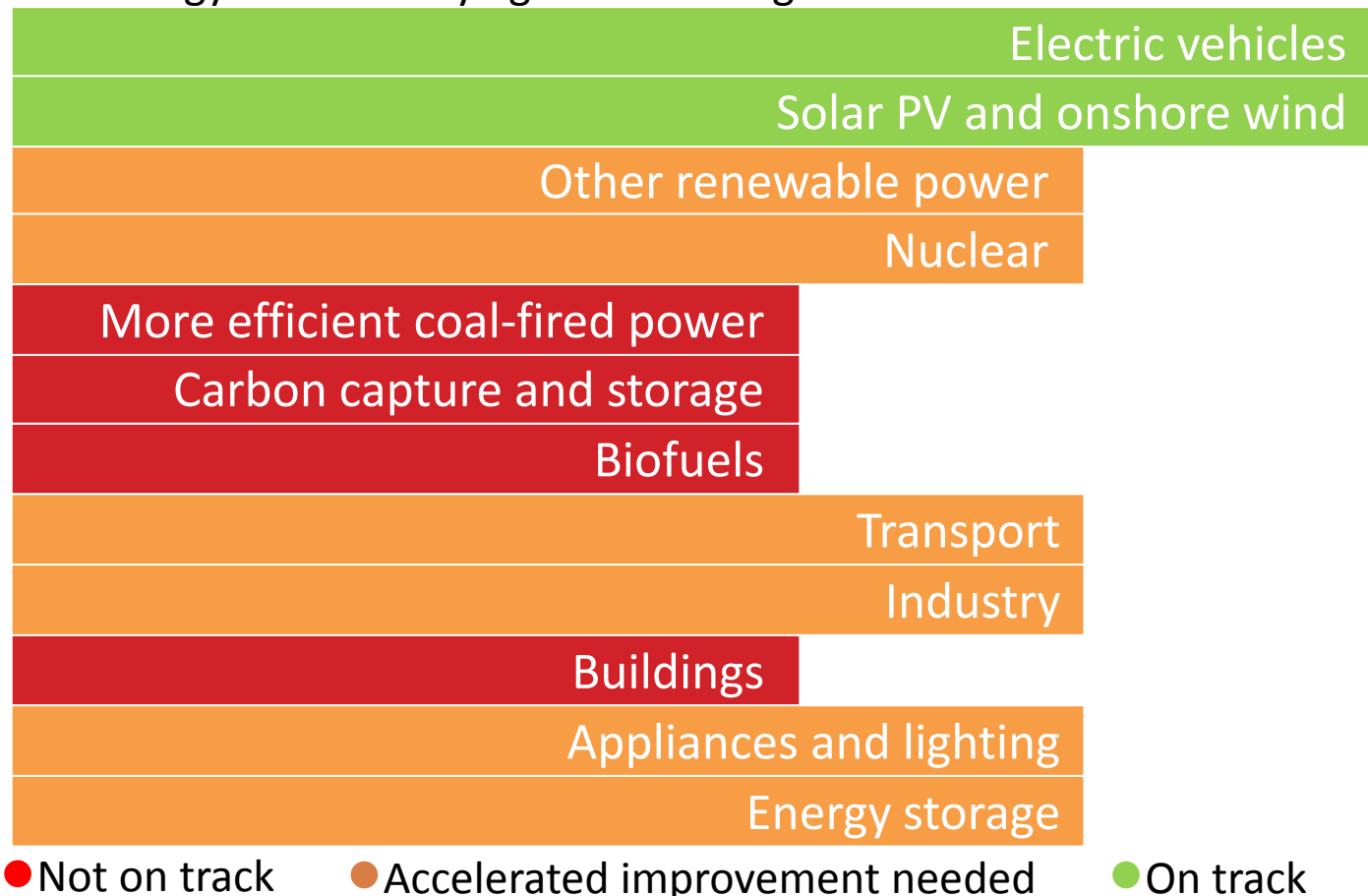
Energy- and process-related CO₂ emissions by sector in the 2DS



Industry and transport account for 75% of the remaining emissions in the 2DS in 2050.

Tracking Clean Energy Progress

Technology Status today against 2DS targets



Clean energy deployment falls short of the 2DS opportunity **ETP**
but recent progress in certain technologies is promising **2016**

Technology Roadmapping: Bringing stakeholders together



- 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



- 32 global publications, 21 different technology areas
- Re-endorsed at G7 Energy Ministerial Meeting in May 2016 (Kitakyushu)
- New Cycle for Implementation:
 - Near-term actions
 - Regional Relevance
 - Key partnerships (e.g. Finance)
 - Metrics and Tracking



Low-Carbon Technology Roadmaps

Technology Collaboration Programmes

■ The IEA is the only energy organisation with 40 years experience of international technology collaboration

- Cross-cutting activities
- End use and energy efficiency
- Renewable energy and hydrogen
- Fossil fuels
- Fusion power



The IEA works around the world to support an accelerated clean energy transition that is

enabled by real-world SOLUTIONS

supported by ANALYSIS

and built on DATA