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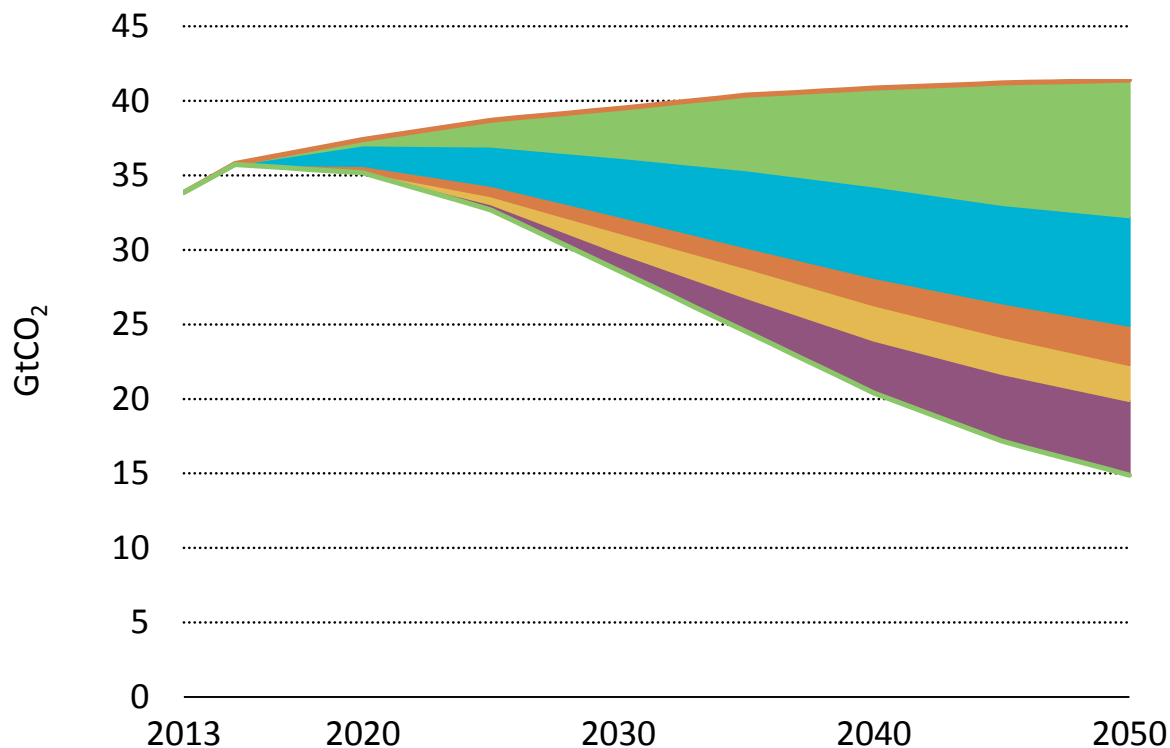
Energy Technology Perspectives: Enabling a Sustainable Energy Transition

COP22 Low Emissions Solutions Conference:
Session 3.3: Industry climate action and CCUS

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International Energy Agency

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

Contribution of technology area to global cumulative CO₂ reductions



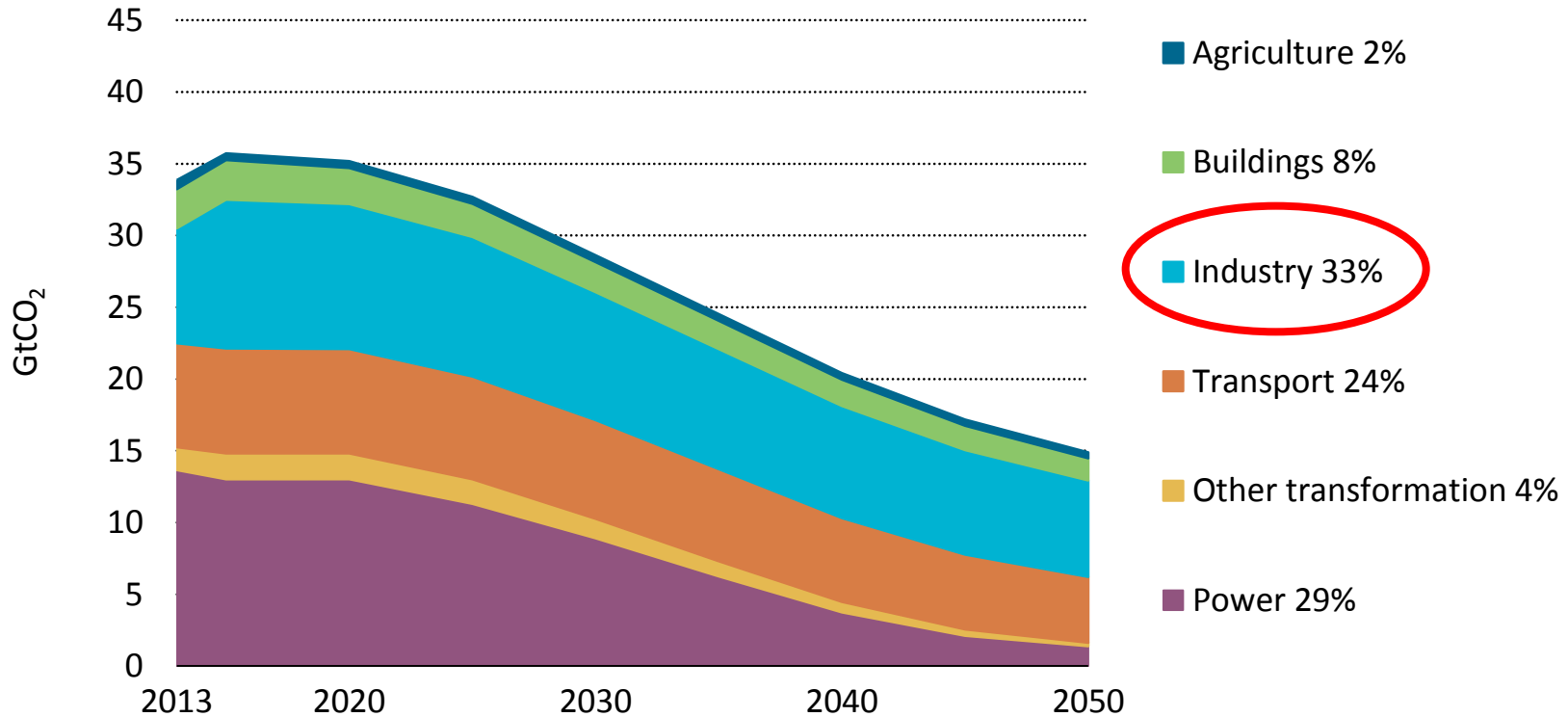
**The industrial sector
accounts for 23% of
cumulative CO₂
reductions**

*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

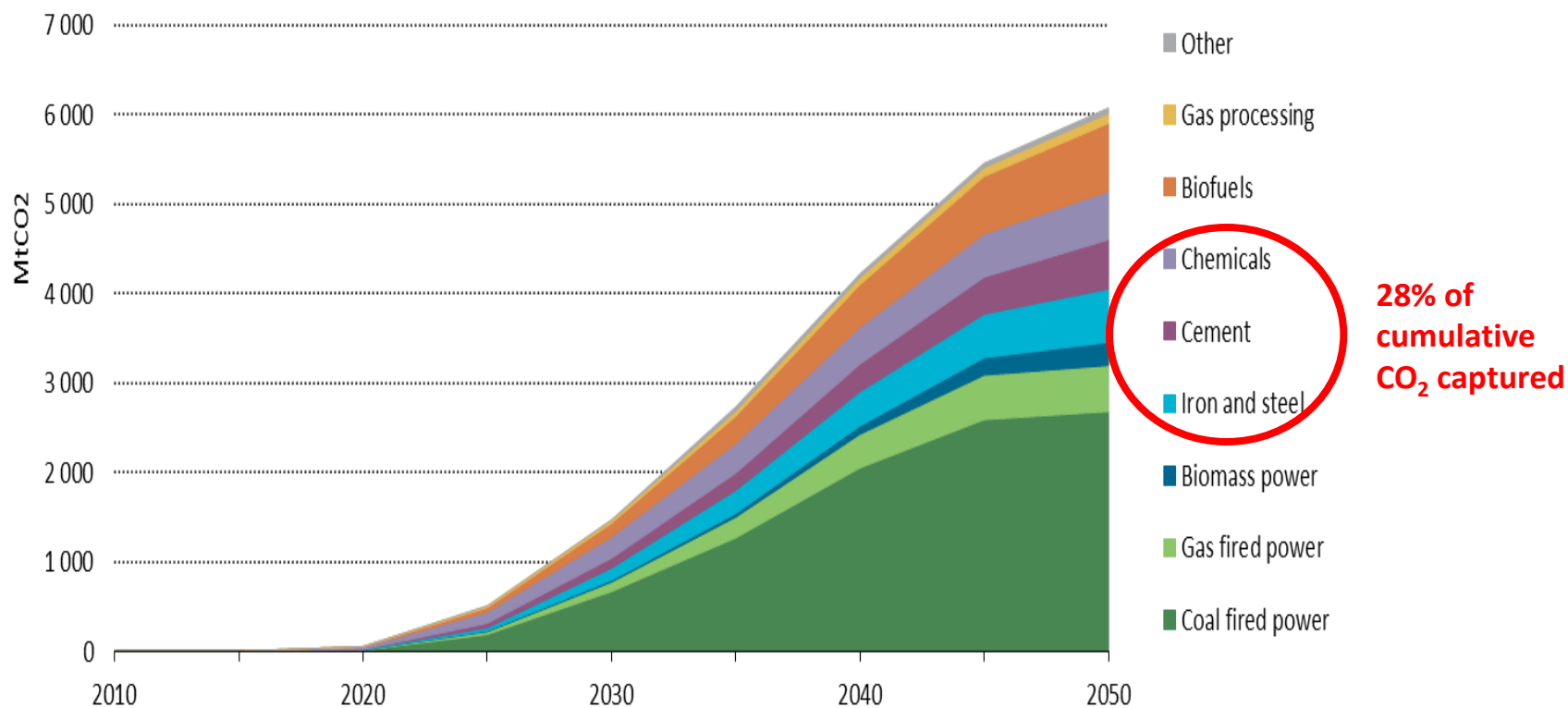
Energy- and process-related CO₂ emissions by sector in the 2DS



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

The critical role of industrial sector CCS

Sources of CO₂ emissions captured in the 2DS



The deployment of CCS from all sources must be accelerated to stay on track for the 2DS

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

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