



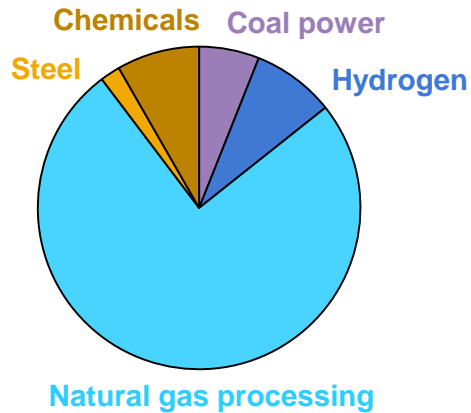
CCUS in Clean Energy Transitions

Launch to the press, 24 September 2020

- Stronger investment incentives and climate targets are building new momentum behind CCUS:
 - More than 30 new projects announced recently
 - Governments and industry have committed almost USD 4 billion in 2020
- CCUS can contribute to emissions reductions across the energy system, with **four strategic roles**:
 - Tackling emissions from existing energy assets;
 - A platform for low-carbon hydrogen production;
 - A solution for the most challenging emissions in sectors such as heavy industry & aviation; and
 - Removing carbon from the atmosphere

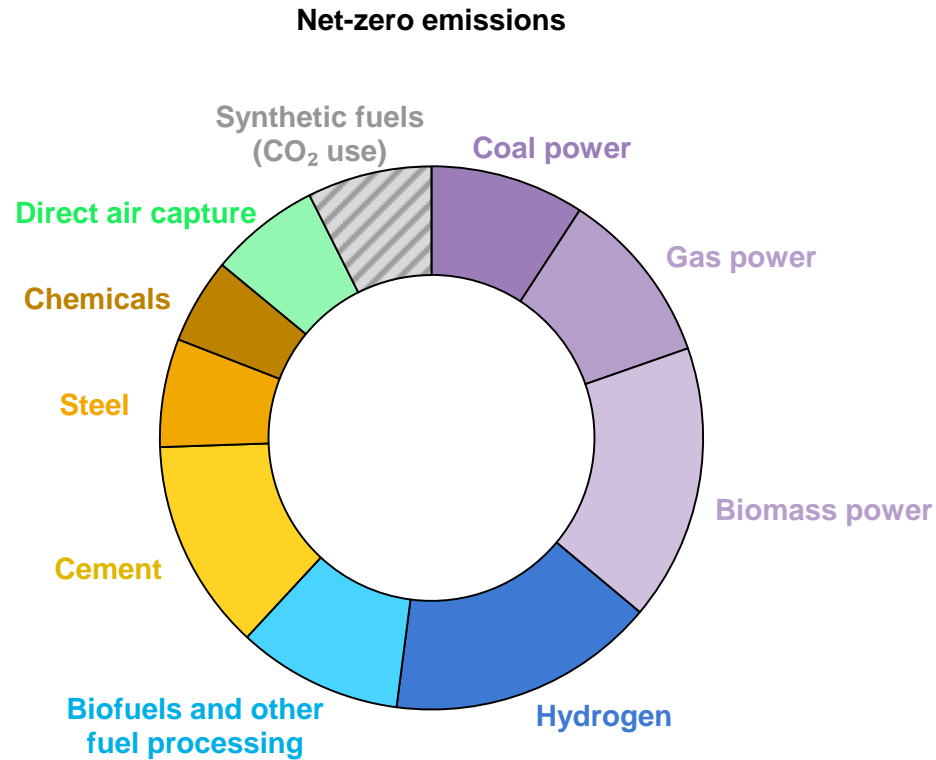
The role of CCUS extends across the global energy system

2020



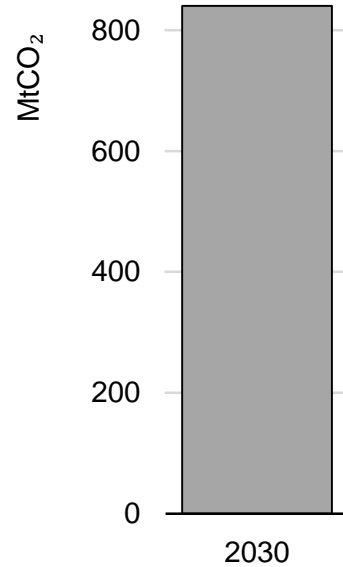
CCUS can support emissions reductions in power generation, hydrogen production, heavy industry and transport.

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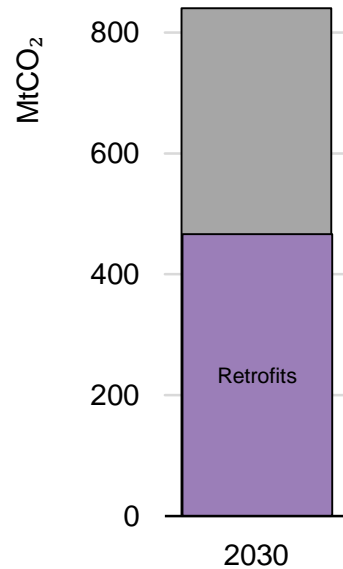


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1. Tackling emissions from existing infrastructure

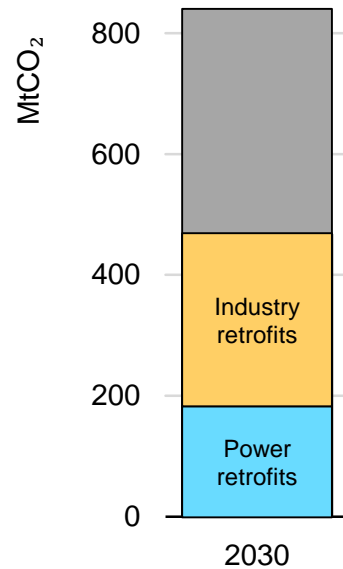


1. Tackling emissions from existing infrastructure



CCUS enables the continued operation of power and industrial plants – many of which have only recently been built

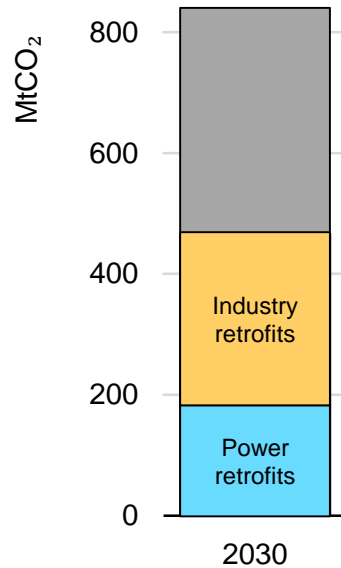
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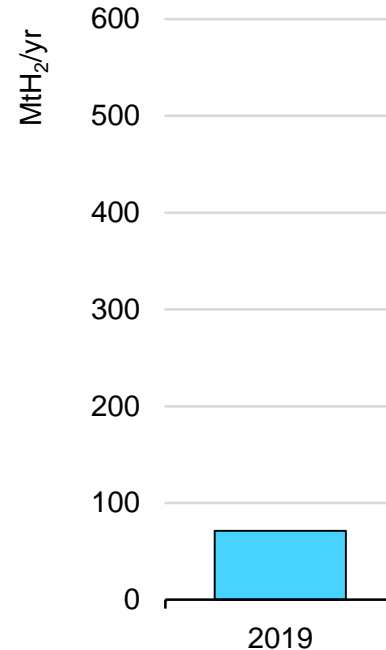
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Four strategic roles for CCUS

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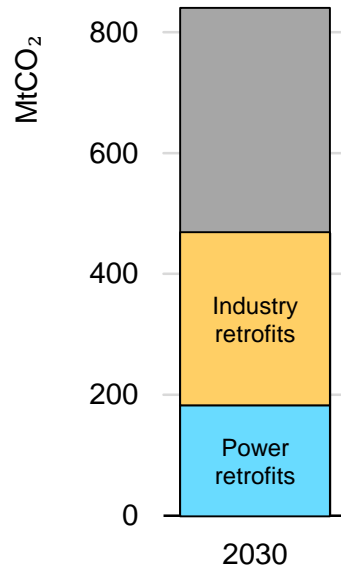
2. A platform for low-carbon hydrogen production



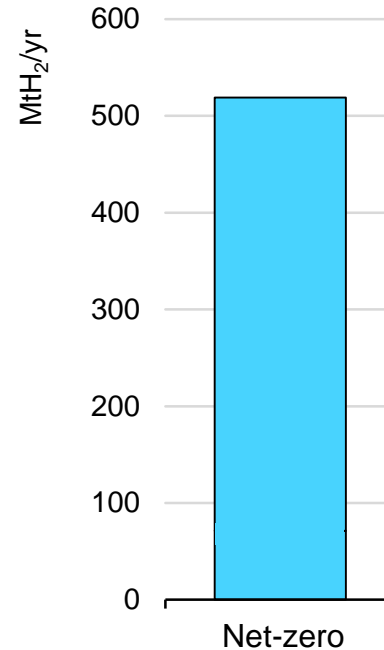
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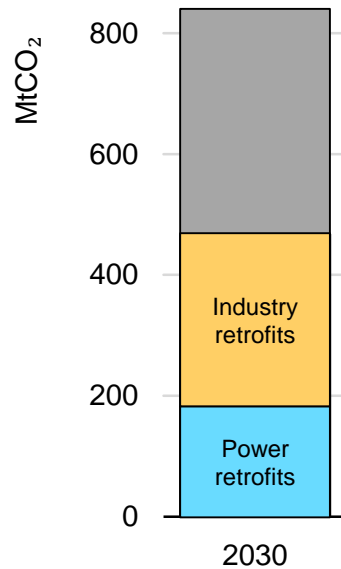
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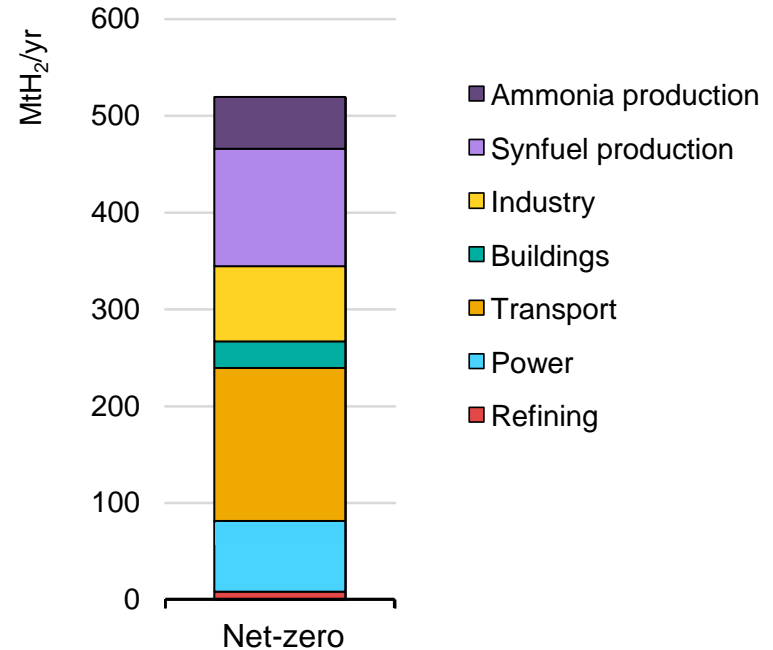
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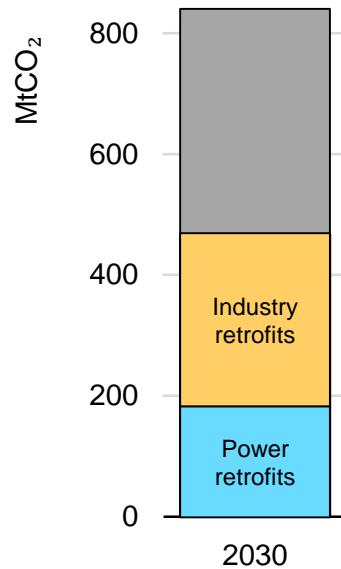
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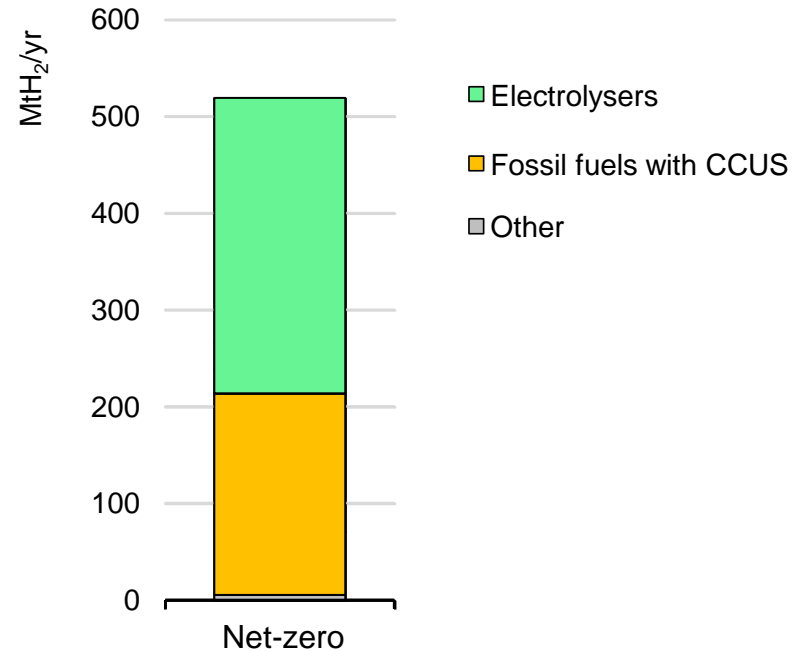
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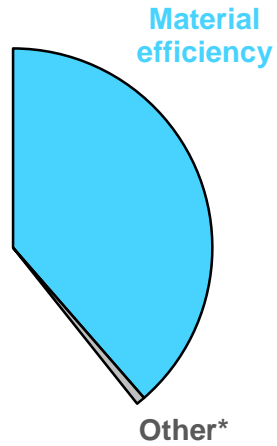
2. A platform for low-carbon hydrogen production



CCUS enables the continued operation of power and industrial plants – many of which have only recently been built
It is a low-cost option for low-carbon hydrogen production in many regions

3. A solution for the most challenging emissions

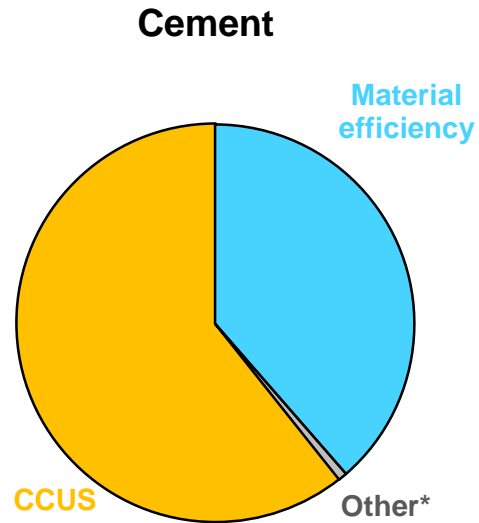
Cement



*Hydrogen, bioenergy, electrification, and fuel shifts

Four strategic roles for CCUS

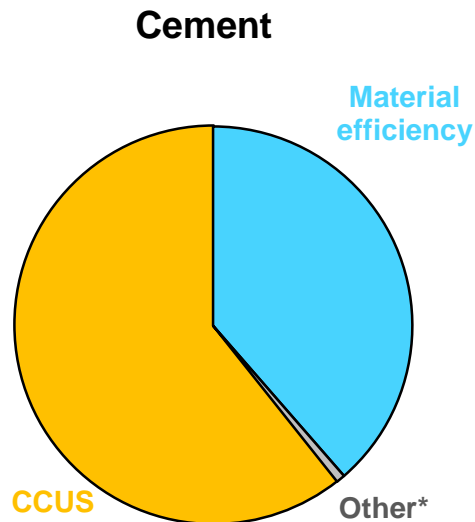
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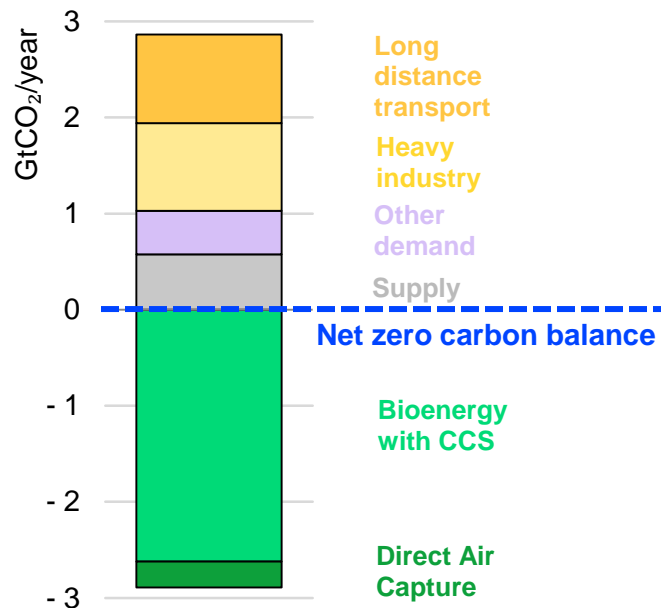
CCUS plays an indispensable role in heavy industry, particularly cement

3. A solution for the most challenging emissions



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4. Removing carbon from the atmosphere



CCUS plays an indispensable role in heavy industry, particularly cement
Bioenergy with CCS and direct air capture can balance hard-to-abate emissions for net zero

- Four high-level priorities for governments and industry would accelerate the progress of CCUS over the next decade:
 1. Create the conditions for CCUS investment
 2. Target the development of industrial hubs with shared CO₂ infrastructure
 3. Identify and encourage the development of CO₂ storage
 4. Boost innovation for critical CCUS technologies

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