

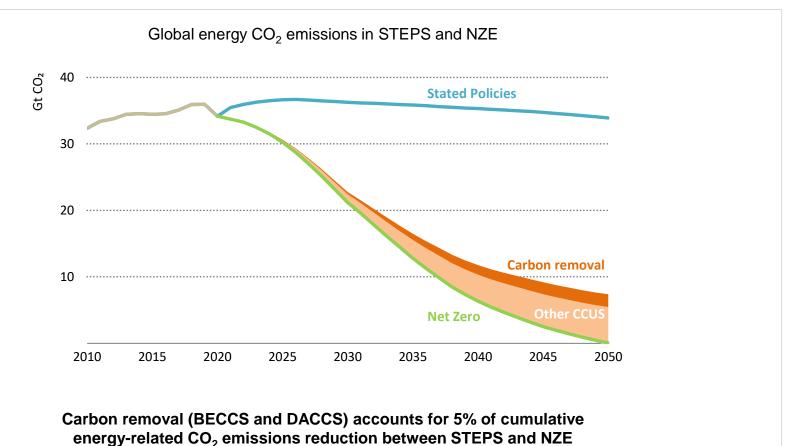
Role of carbon removal in IEA Net Zero roadmap

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Sustainable Carbon Cycles Conference, 31st January 2022

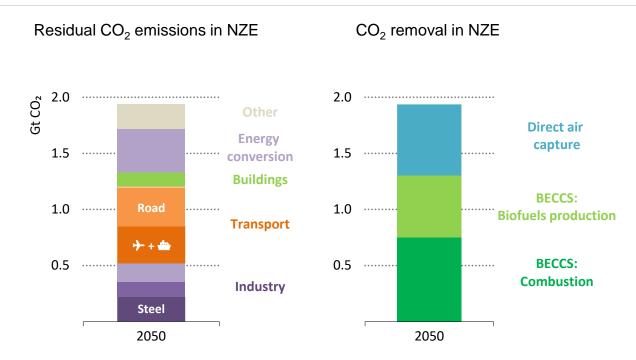
Carbon removal technologies play a key role in energy transition





Carbon removal technologies offset hard-to-abate emissions



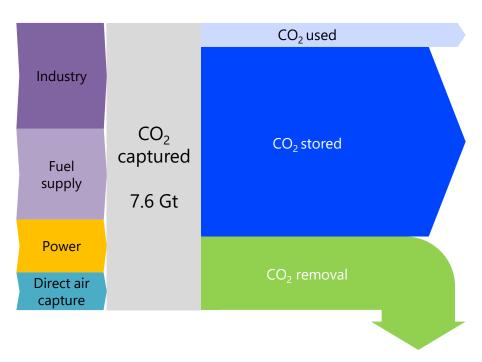


In the NZE, carbon removal technologies are instrumental to offset almost 2 Gt of residual CO₂ emissions in 2050

CO₂ removal technologies are part of CCUS industrial cluster



CO₂ captured by sector and downstream use in the NZE, 2050

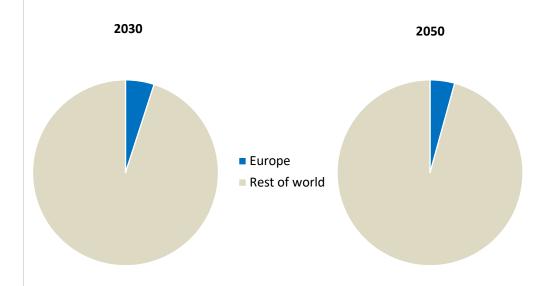


The diversity of CO₂ sources and downstream use requires several innovative industry technologies that are in the starting blocks today.

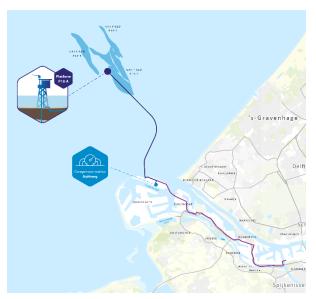
Opportunities for Europe



Share of Europe in global CO₂ captured in NZE



Example of a future carbon industrial cluster: Rotterdam CCUS project Porthos



Source: https://www.porthosco2.nl/en/

Building on existing industrial clusters and with favourable incentives, the European Union can one of the leaders in large-scale deployment of CCUS

