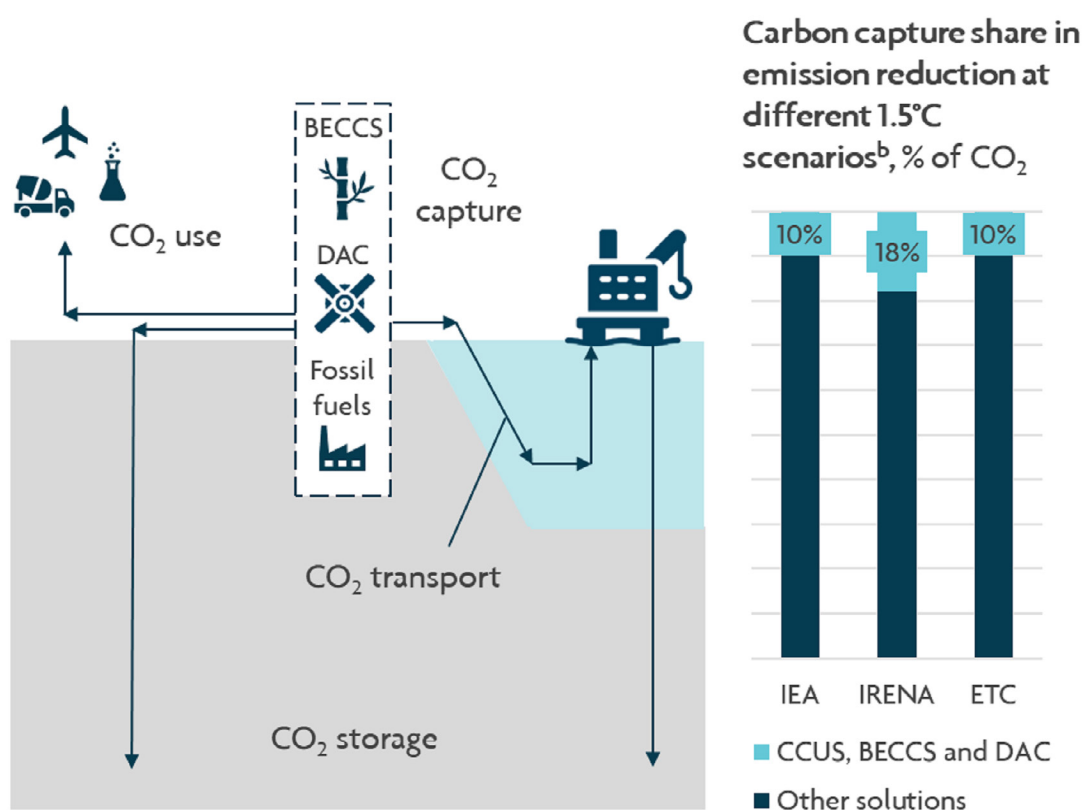
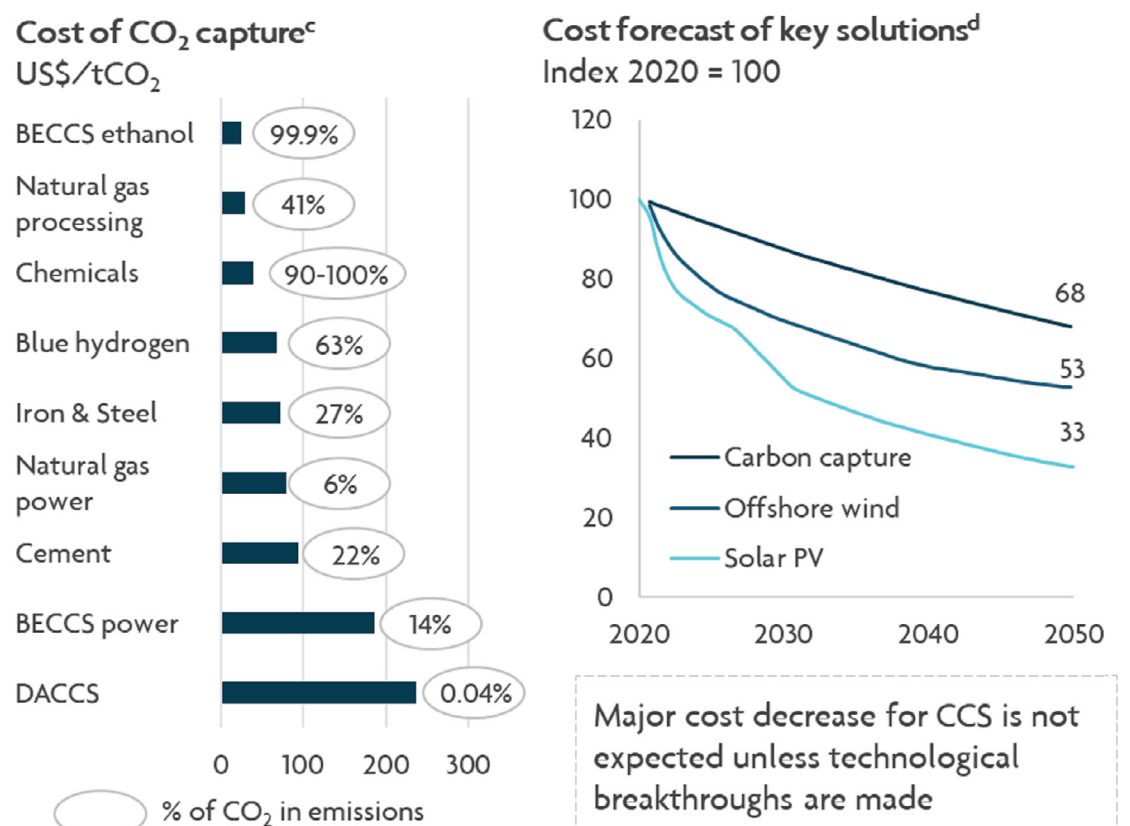


KEY FACTS ABOUT THE ROLE OF CARBON CAPTURE IN THE ENERGY TRANSITION

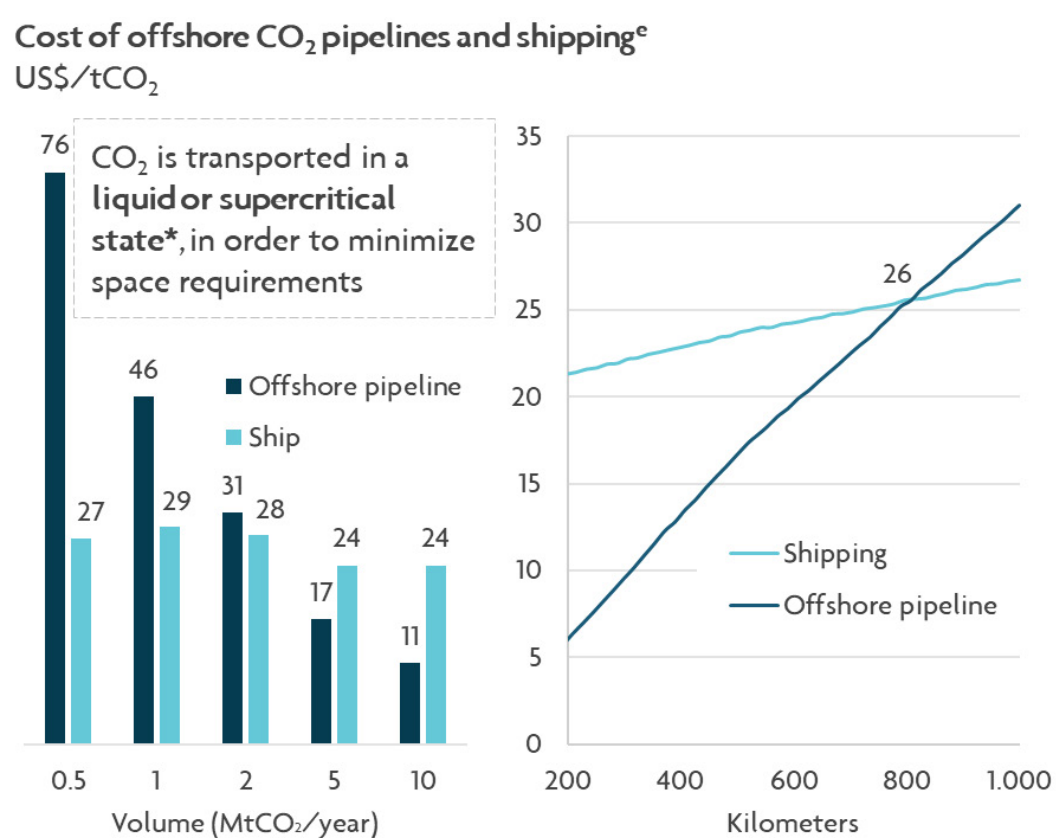
Carbon capture is one of the many essential solutions in the path to net-zero emissions^a



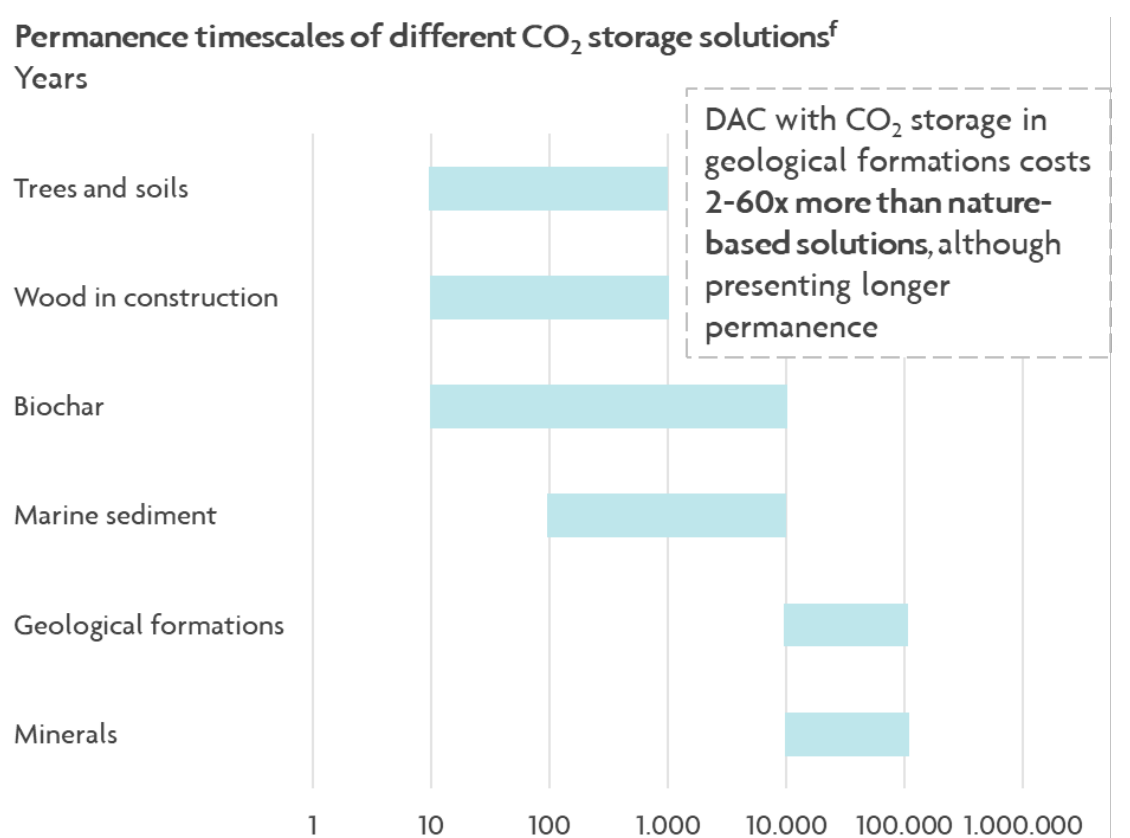
Competitiveness varies among applications and is mostly linked to CO₂ concentration levels



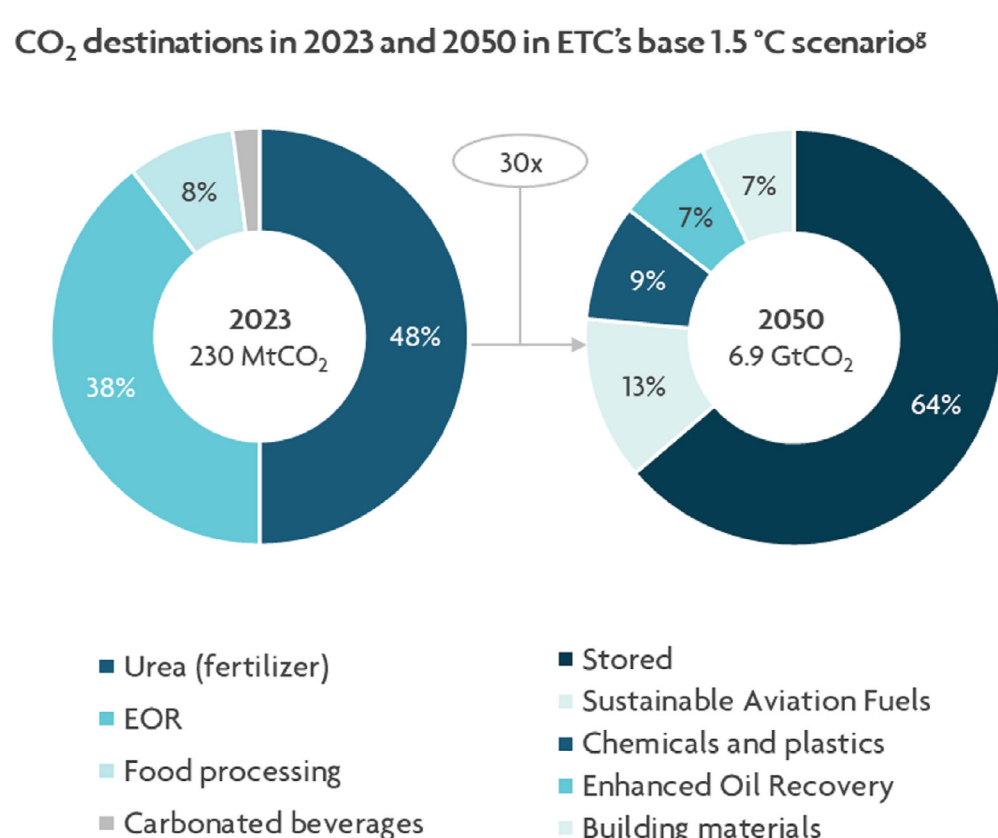
The definition of the most adequate CO₂ transport method depends mainly on volume and distance



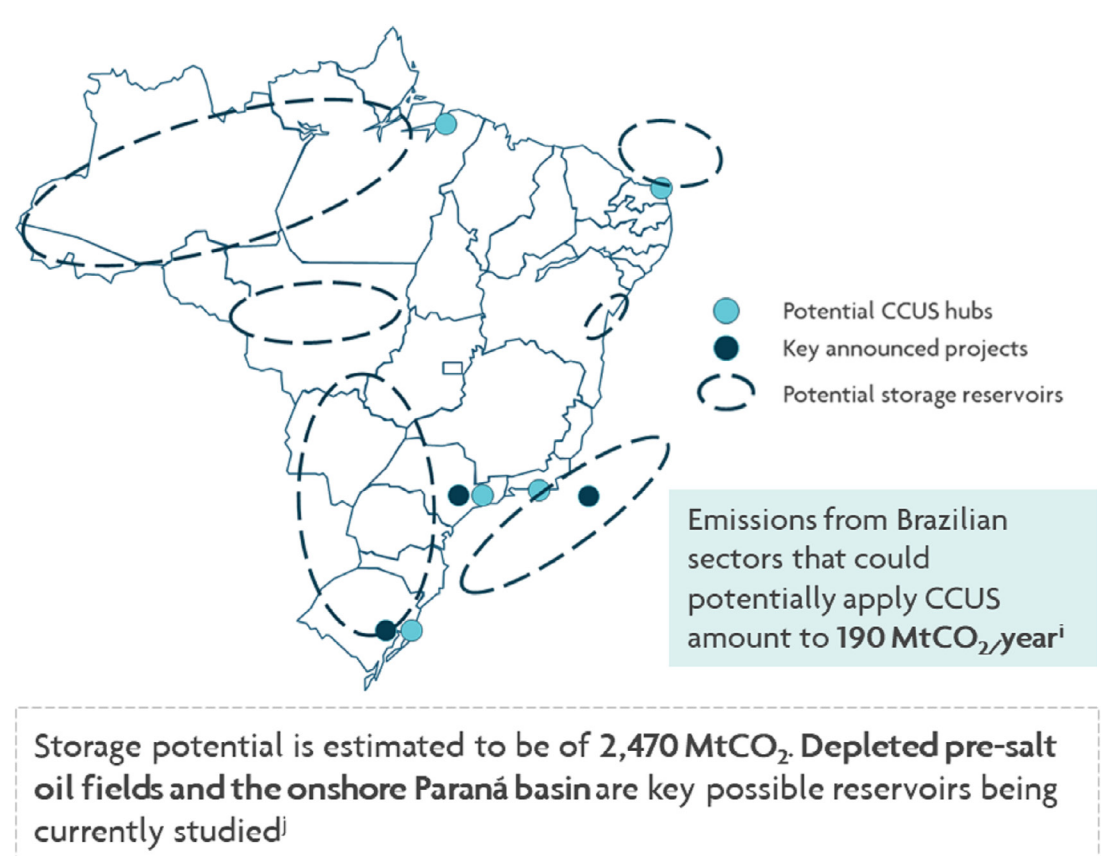
Permanent storage is required in order to guarantee climate benefits



In a net-zero scenario, priority should be given to storing CO₂ rather than using it



Brazil holds significant potential for CCUS development^h



* — Temperature and pressure at which is not possible to distinguish liquid and gas phases of a substance, but below the pressure required to compress it into a solid; **a** / Energy Transitions Commission. Carbon Capture, Utilisation and Storage in the Energy Transition: Vital but Limited. 2022; **b** / IEA. Energy Technology Perspectives 2023. 2023; IRENA. World Energy Transitions Outlook 2023 - Volume 1: 1.5° c pathway. 2023; Energy Transitions Commission. Carbon Capture, Utilisation and Storage in the Energy Transition: Vital but Limited. 2022; **c** / Energy Transitions Commission. Carbon Capture, Utilisation and Storage in the Energy Transition: Vital but Limited. 2022; Global CCS Institute – “Global costs of carbon capture and storage - 2017 Update”, 2017; **d** / Energy Transitions Commission. Carbon Capture, Utilisation and Storage in the Energy Transition: Vital but Limited. 2022; **e** / Energy Transitions Commission. Carbon Capture, Utilisation and Storage in the Energy Transition: Vital but Limited. 2022; **f** / Smith et al. The State of Carbon Dioxide Removal - 1st Edition. 2023; **g** / Energy Transitions Commission. Carbon Capture, Utilisation and Storage in the Energy Transition: Vital but Limited. 2022; **h** / Catavento analysis based on CCS Brasil. 1º Relatório Anual de CCS no Brasil. 2023; OGCI. The CCUS Hub Search. 2023; press releases and news; **i** / Fossil power generation, industrial processes and bioenergy, based on CCS Brasil. 1º Relatório Anual de CCS no Brasil. 2023; **j** / OGCI. CO₂ Storage Resource Catalogue. 2023; Global CCS Institute and PUC-RS. Atlas Brasileiro de CCUS. 2016