

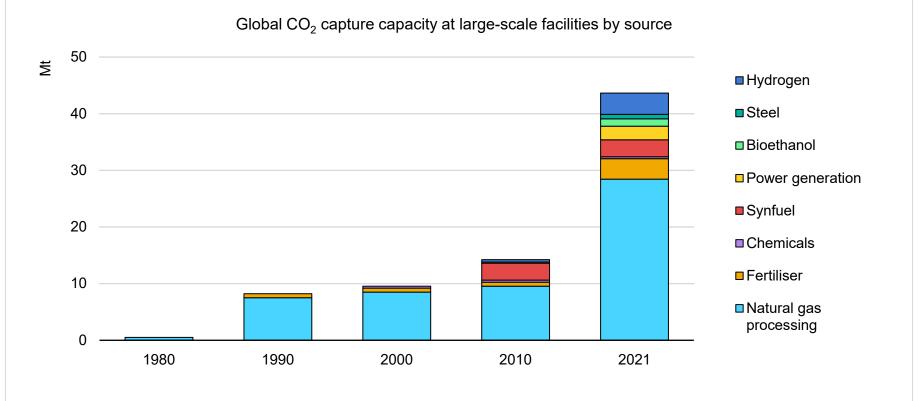
## **CCUS** in clean energy transitions

Samantha McCulloch, Head of CCUS Unit

UNECE Committee on Sustainable Energy, 23 September 2021

## **Experience with CCUS has expanded in the last decade**

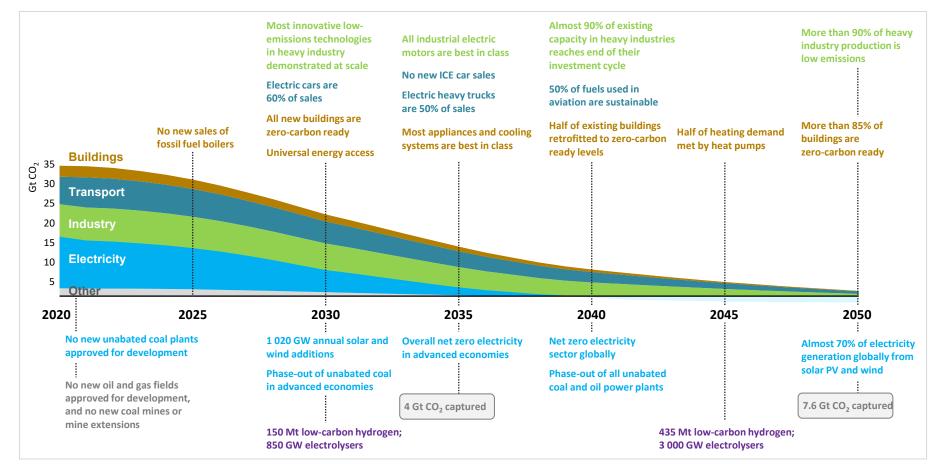




Carbon capture facilities have been operating since the 1970s, with the number and type of applications expanding in the last decade

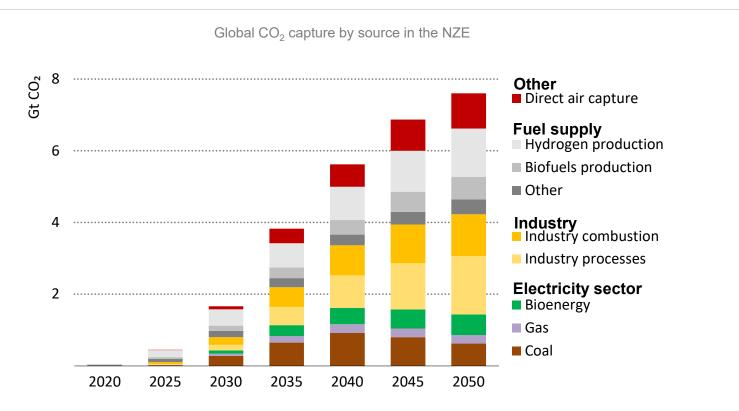
## **CCUS** is part of the net-zero pathway





## **CCUS** is needed to reach net-zero emissions





By 2050, 7.6 Gt of  $CO_2$  is captured per year from a diverse range of sources 2.4 Gt  $CO_2$  is captured from bioenergy use and DAC, of which 1.9 Gt  $CO_2$  is permanently stored

