



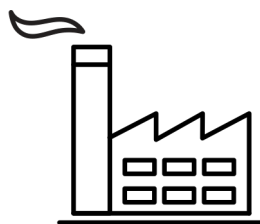
# The role of CCUS in achieving net zero

Carl Greenfield, IEA

16 March 2023

# Strategic role of CCUS in clean energy transitions

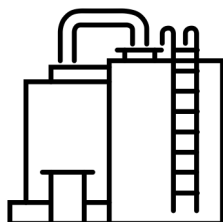
1. Tackling emissions from existing infrastructure



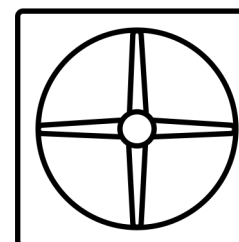
2. A solution for hard-to-abate emissions



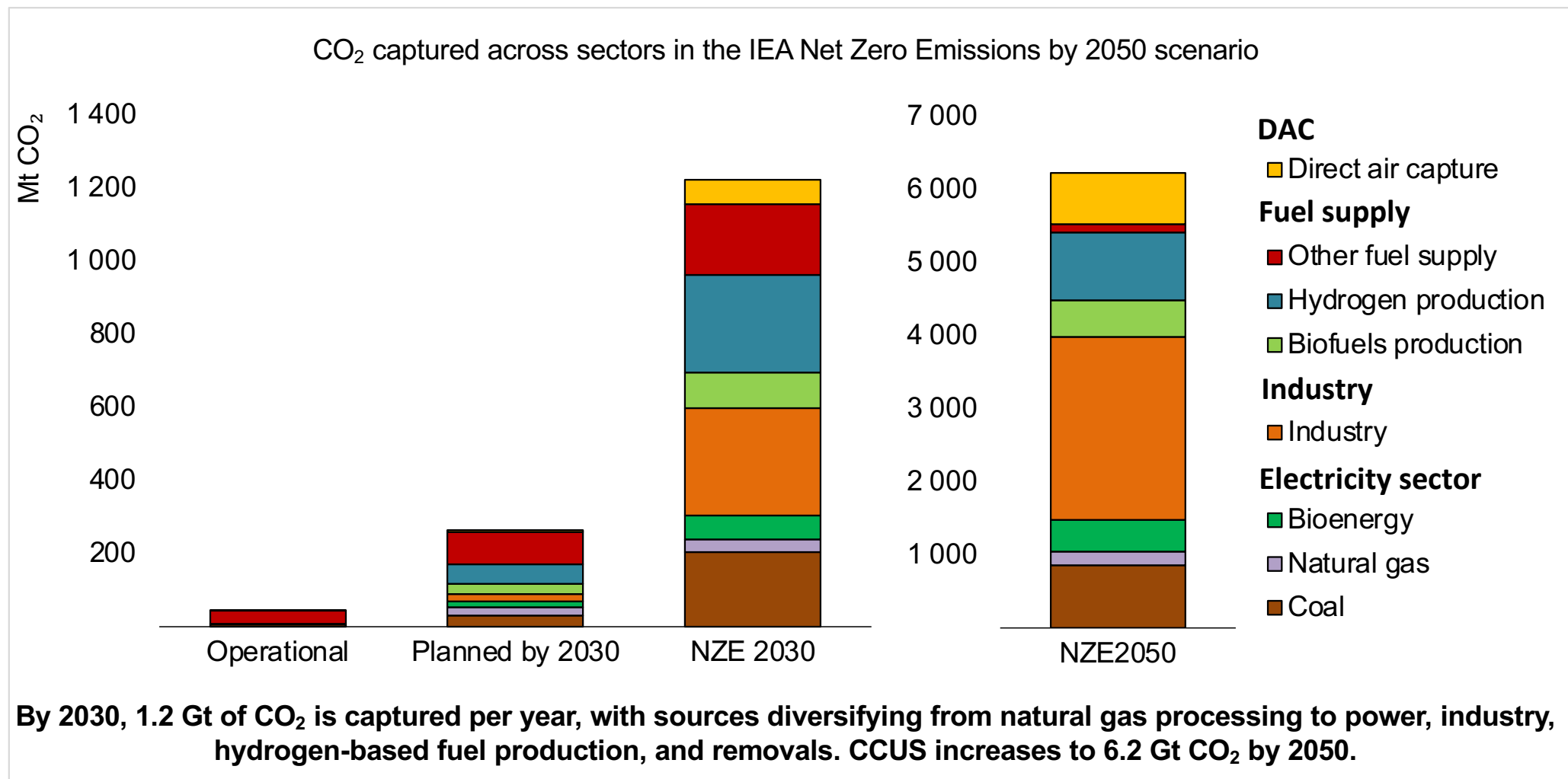
3. Platform for low-emission hydrogen production



4. Carbon removal

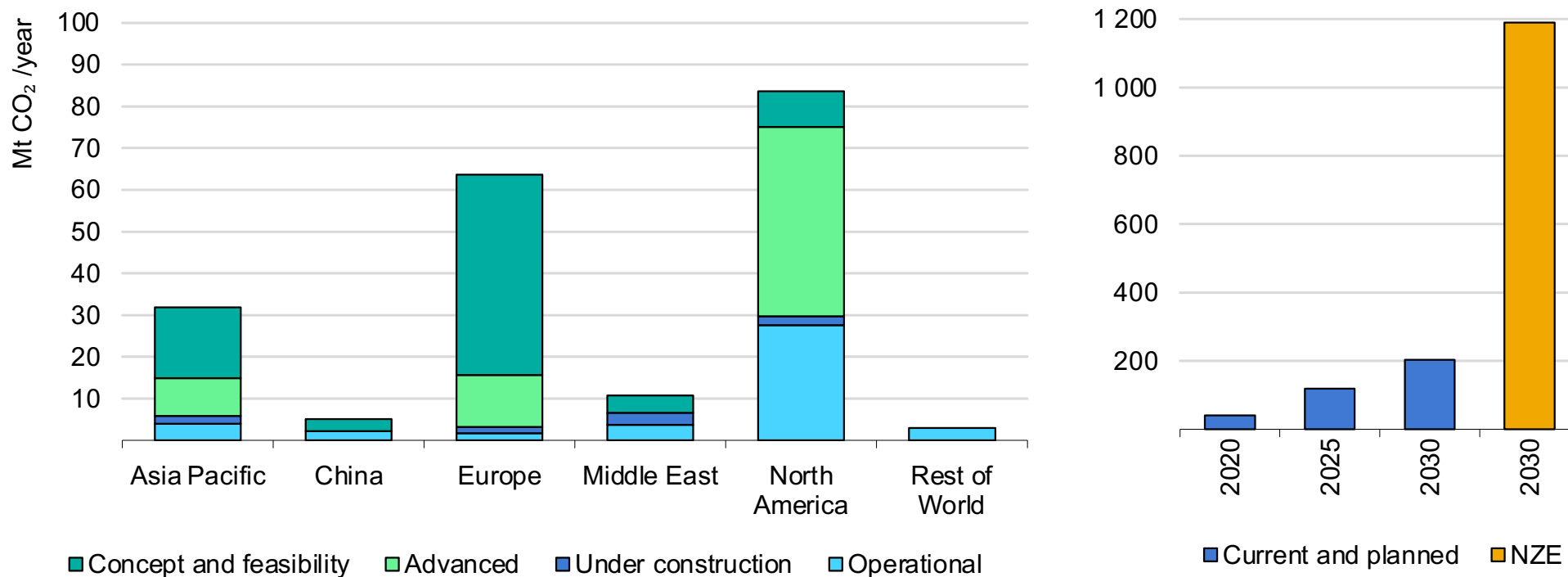


# CCUS in reaching net zero emissions by 2050



# Importance of CO<sub>2</sub> storage

CO<sub>2</sub> storage in development and in the Net Zero Emissions by 2050 Scenario



**Dedicated CO<sub>2</sub> storage capacity could reach around 110 Mt CO<sub>2</sub>/year, largely concentrated in Europe and North America, but increased support is needed to reach net zero targets**

# Government and industry action this decade is crucial

Four high-level priorities for governments and industry would accelerate the progress of CCUS:

**1**  
Create the conditions for investment

**2**  
Target the development of industrial hubs with shared CO<sub>2</sub> infrastructure

**3**  
Identify and develop CO<sub>2</sub> storage

**4**  
Boost innovation for key technologies

**iea**