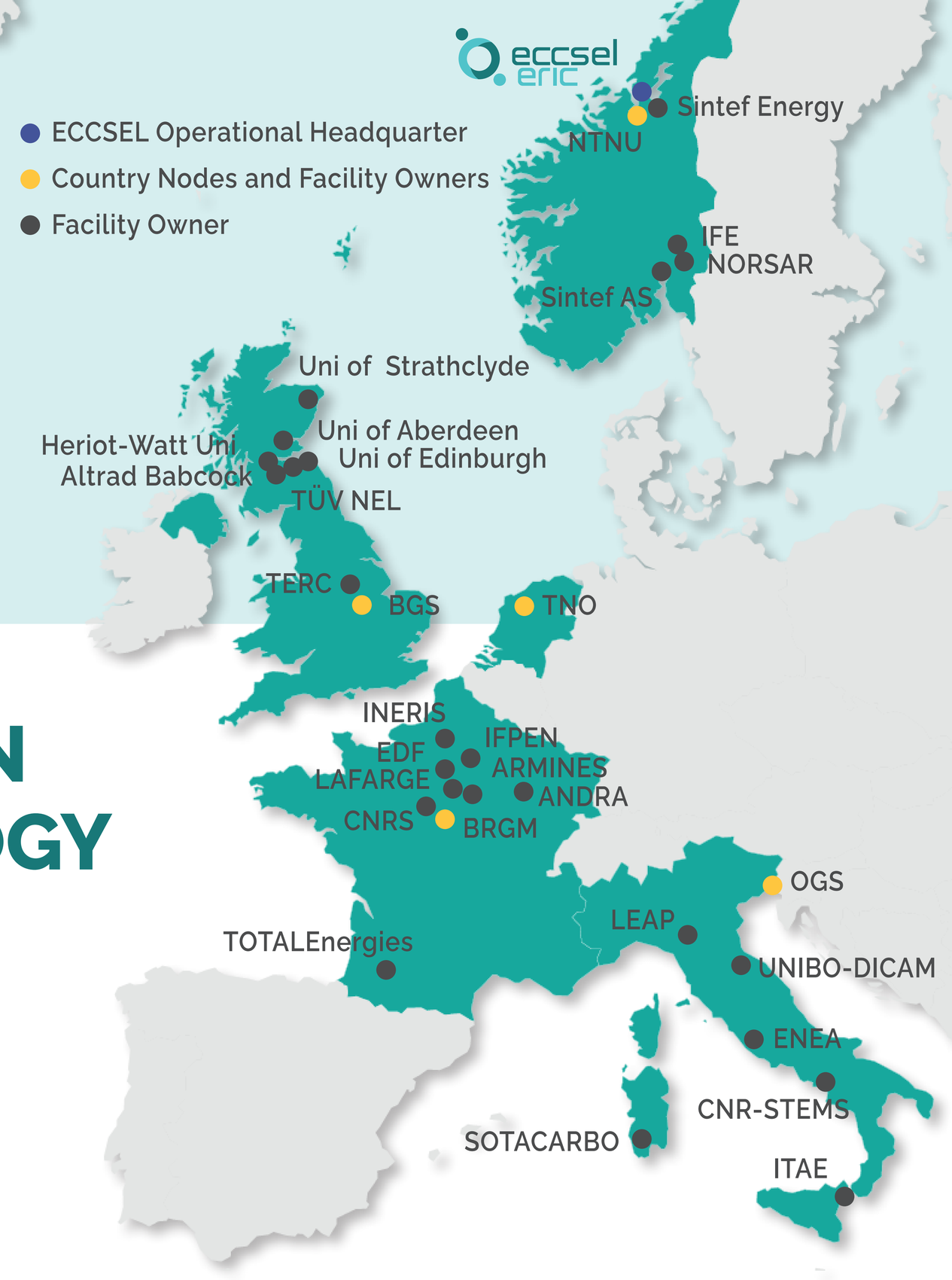


ENHANCE EUROPEAN SCIENCE, TECHNOLOGY DEVELOPMENT, INNOVATION AND EDUCATION

in CCUS and CDR

About us

ECCSEL is the European research infrastructure for CO_2 Capture, Utilisation, Transport and Storage (CCUS) and Carbon Dioxide Removal (CDR). Our vision is to enable net zero CO2 emissions from industry, power generation, and air to combat climate change.

ECCSEL is a permanent, distributed, integrated research infrastructure encompassing interlinked transnational scientific facilities and national nodes.

5
Member Countries

28
Research Facility Owners

100+
Research Facilities

Photo: SINTEF

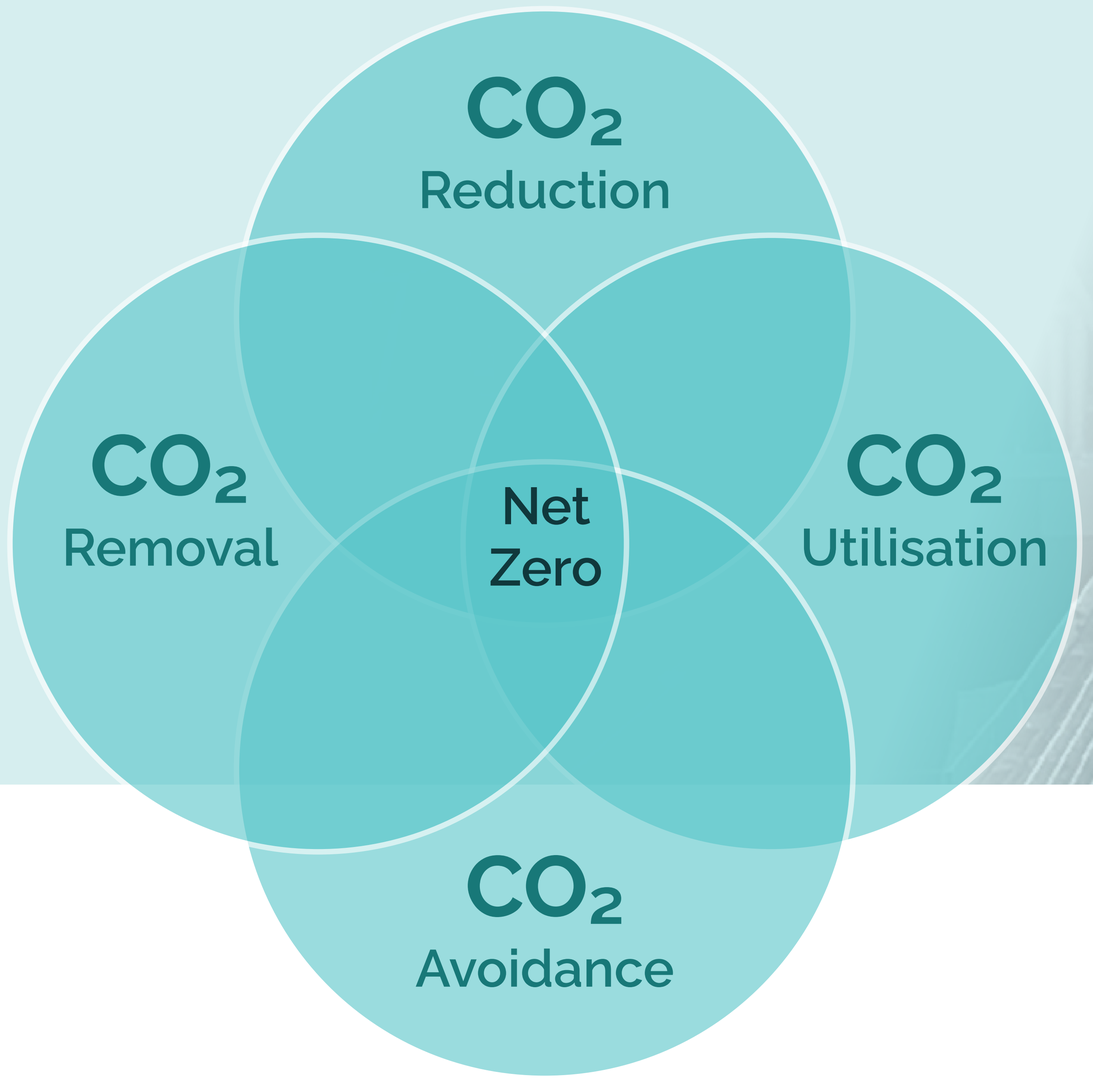


Photo: SINTEF

SINGLE-POINT OPEN ACCESS RESEARCH INFRASTRUCTURE

serving the entire CCUS and CDR value chain

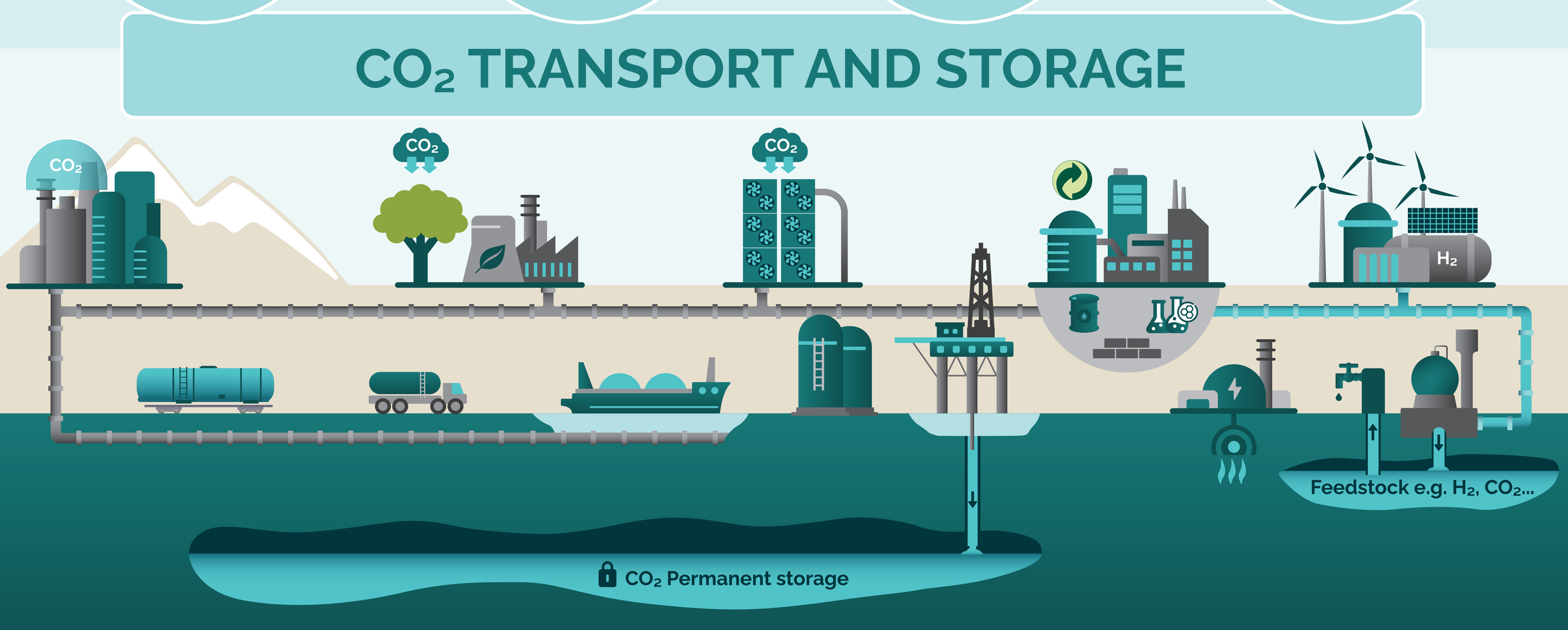
Our Mission

ECCSEL provides open access to over 100 world class CCUS and CDR research facilities across Europe to support national strategies and the EU Industrial Carbon Management Strategy. Our focus includes carbon dioxide reduction, removal, avoidance, and utilisation, providing a one-stop research infrastructure for CCUS, CDR and low carbon energy production and storage.

The research infrastructure works with relevant industry, academia and research communities to determine their research infrastructure needs to enable at-scale deployment of CCUS and CDR in Europe.

CCUS
Carbon Capture Utilisation and Storage

BECCS
Bioenergy with Carbon Capture and Storage

DACCS
Direct Air Carbon Capture and Storage

LCES
Low Carbon Energy Storage