



GOBIERNO
DE ESPAÑA

MINISTERIO
DE ECONOMÍA
Y COMPETITIVIDAD



Instituto Geológico
y Minero de España



ALMACENAMIENTO GEOLÓGICO DE CO₂

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TECNOLOGIAS CONTRA EL CAMBIO CLIMATICO



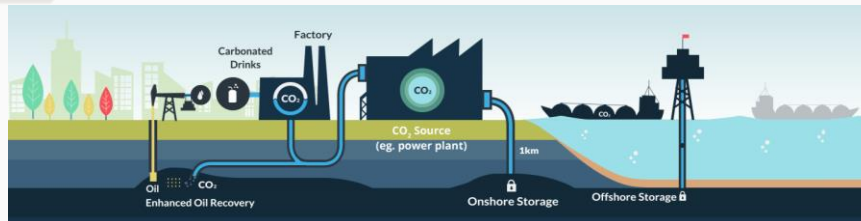
Renewables



Energy Efficiency



Fuel switching



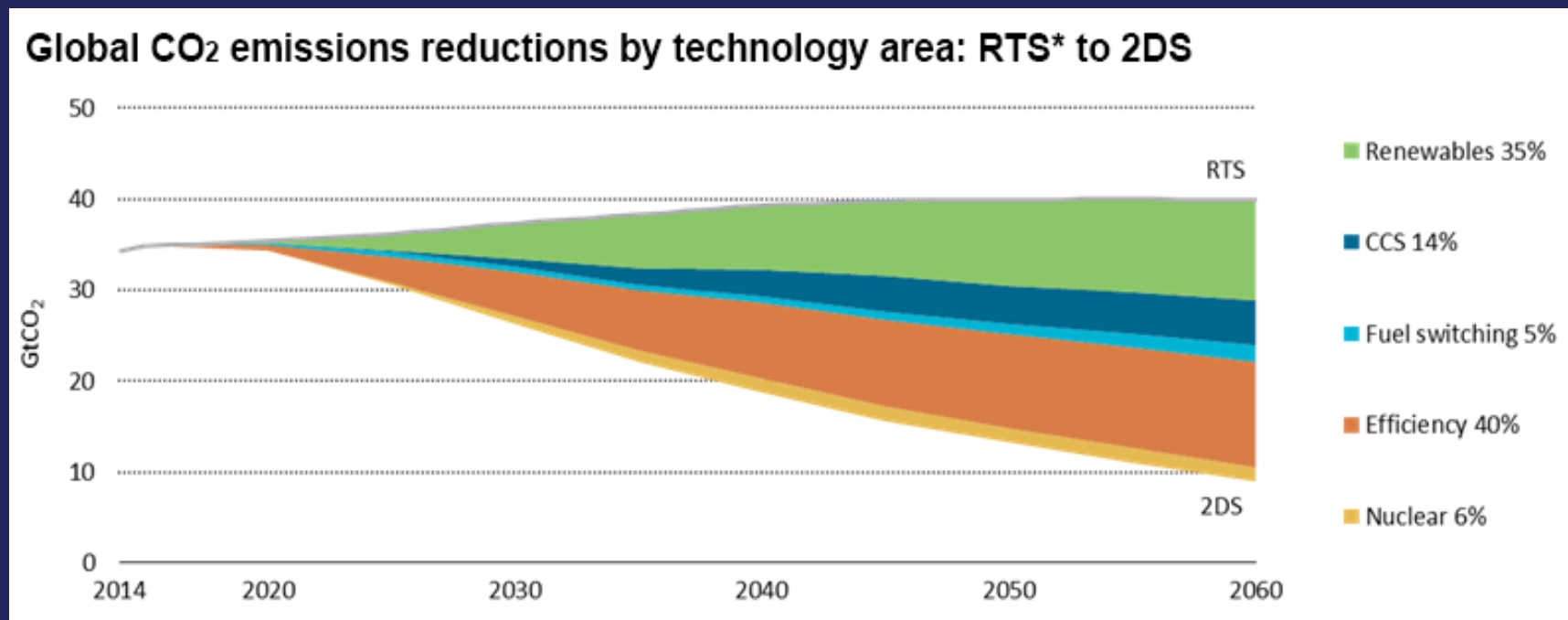
CO2 Capture, Transport, Utilisation and Storage



Nuclear energy

Geological storage of CO₂

How can we reach the Paris Agreement targets?



*RTS (Reference Technology Scenario) taking into account today's commitments by countries to limit emissions (International Energy Agency, Energy Technology Perspectives 2017, OECD/IEA, Paris)

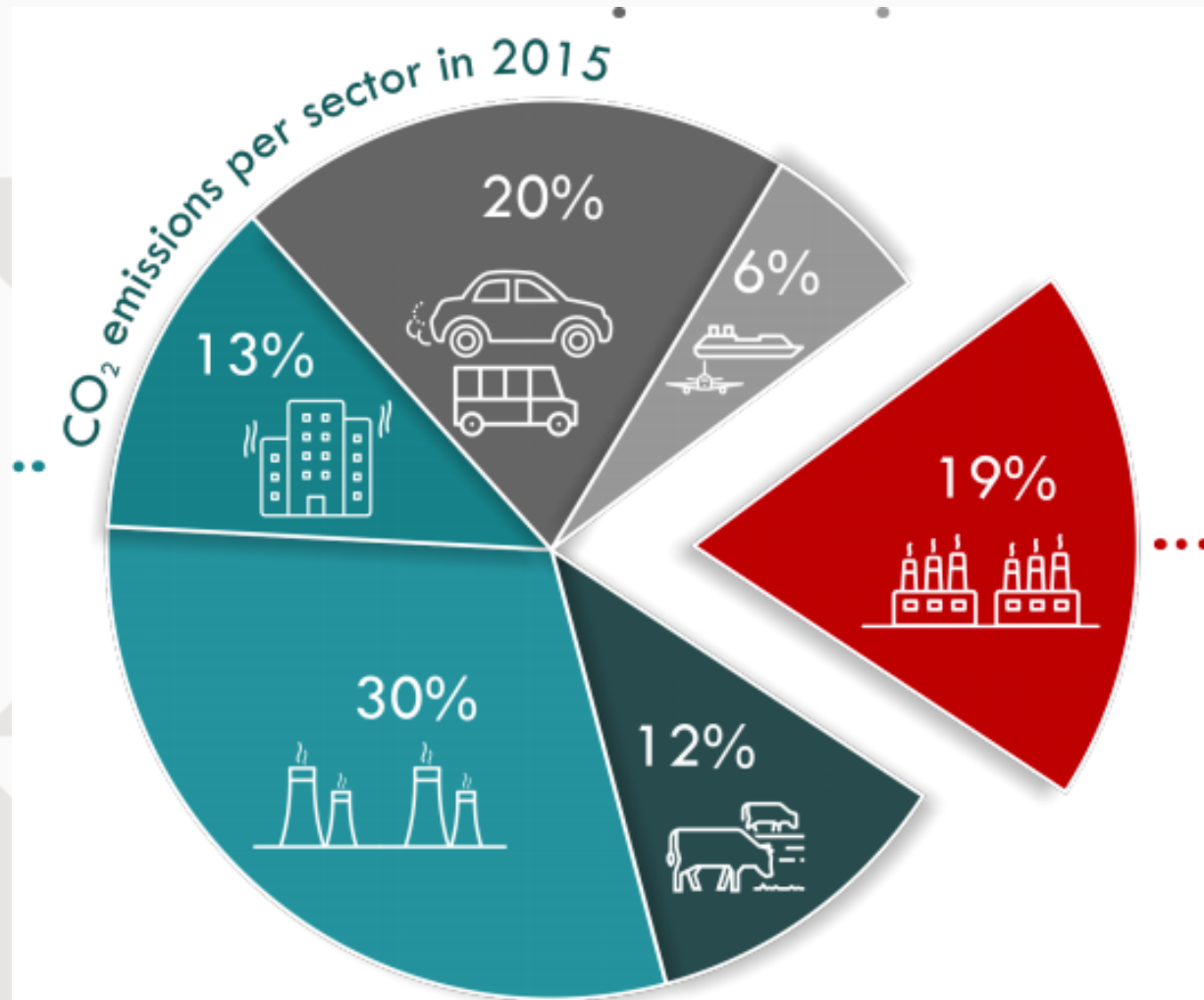


Figure 2: CO₂ emissions per sector (EEA, 2017)

Ciertas industrias producen CO₂ durante el proceso de fabricación: cementeras, siderurgia, petroquímicas, papel, ...

PARA EMISIONES ZERO NECESITAN CAC

- CCS is the only technology that can reduce **CO₂** emissions from many **industrial processes** (cement & steel industries, etc.)
- Main sources of **industrial emissions** in the European Union:

Cement (clinker and lime):

117 Mt/y



Iron and Steel: **200** Mt/y

> Perilli D., *Global Cement*, 2019

ZERO EMISSIONS TARGET

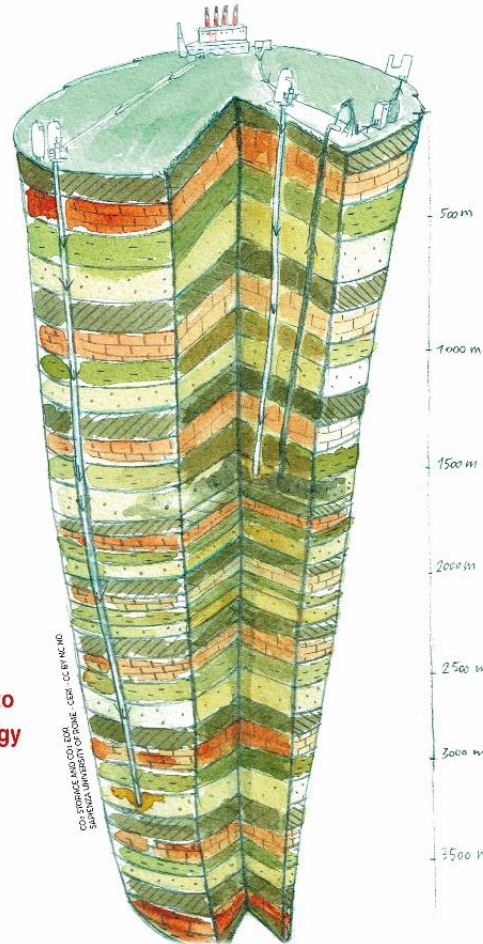
CCUS *against* climate change

CO2 capture, transport, utilization and storage

Necessary
to achieve the
1.5 °C target
(IPCC, 2018)

**Release
or
store?**
it's our choice!

**A just transition to
zero emissions for the energy
and industrial sectors**



**Ready
now**

**Store
CO₂ safely
thousands
of meters deep**

www.co2geonet.com



ENOS
Enabling Onshore CO₂ Storage



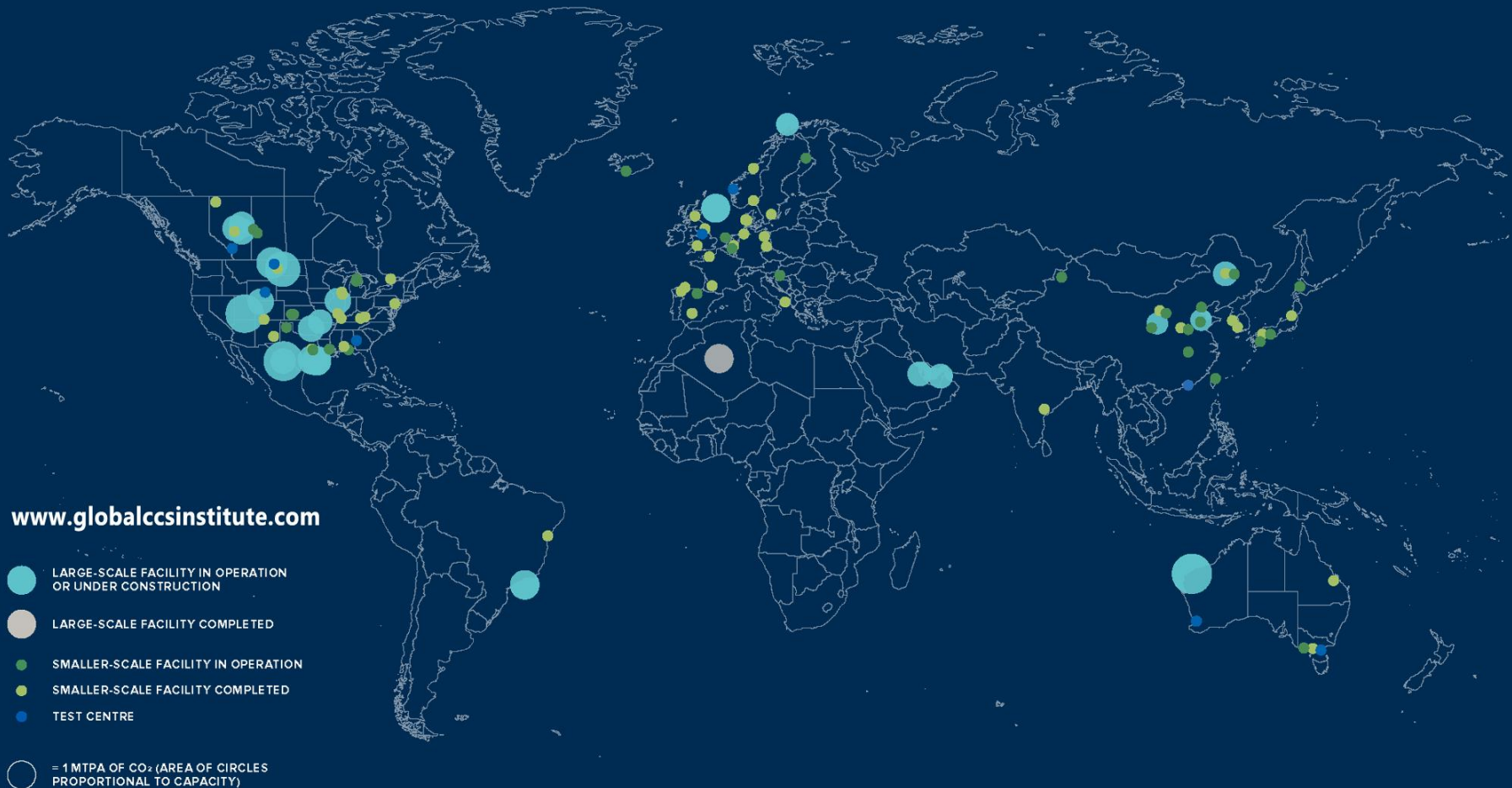
This project has received funding from European Union's Horizon 2020 research and innovation programme under Grant Agreement No 652718

www.enos-project.eu



CCS is already happening around the world!

World map of large-scale CCS projects



Geological storage of CO₂

How much and where can we store CO₂?

