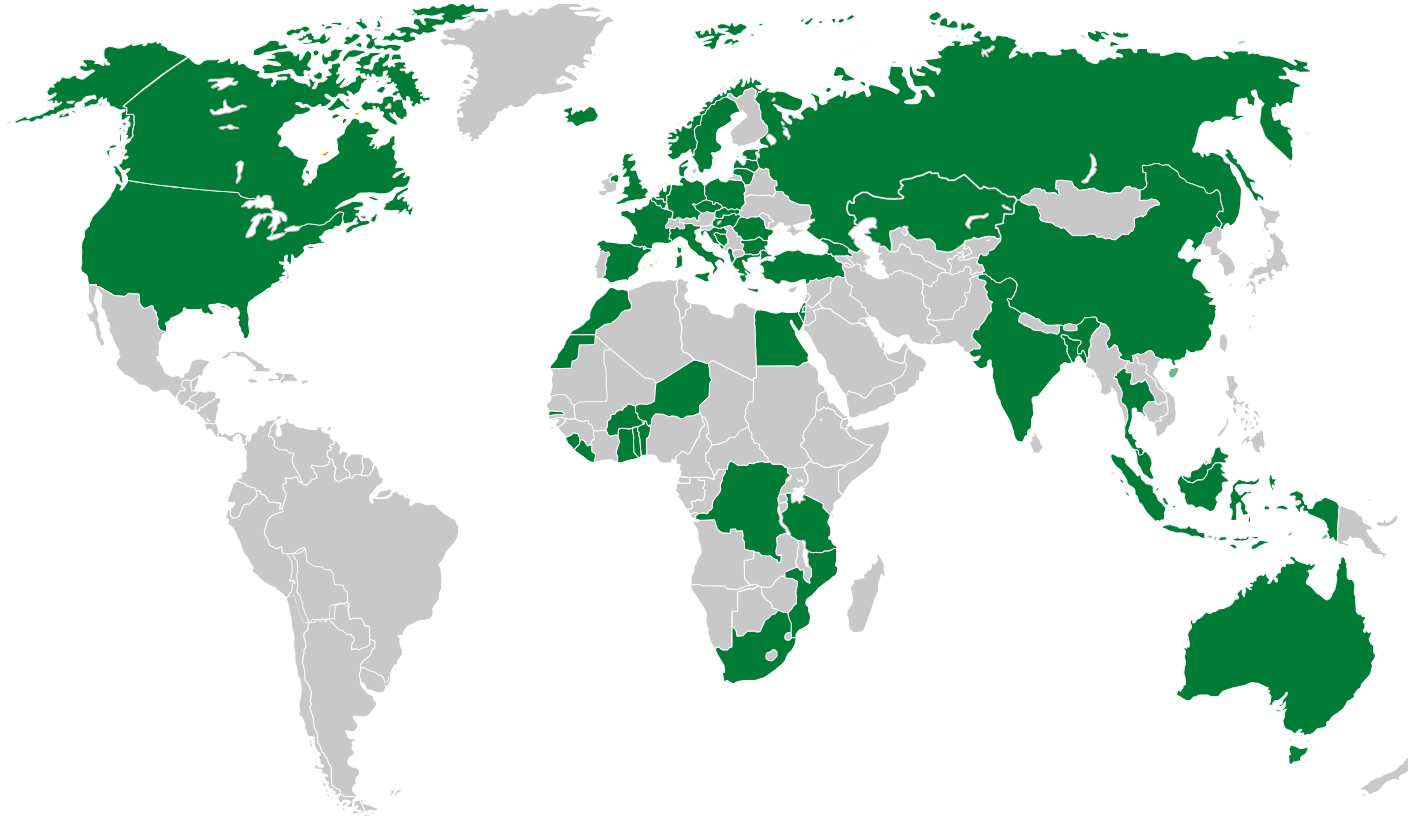


CCS in Baltic region from Cement Perspective

Jan Theulen

Director Alternative Resources, ESG





Our goal is to realise
carbon neutral concrete
by 2050 at the latest.



CO₂ IS MAINLY COMING FROM LIMESTONE

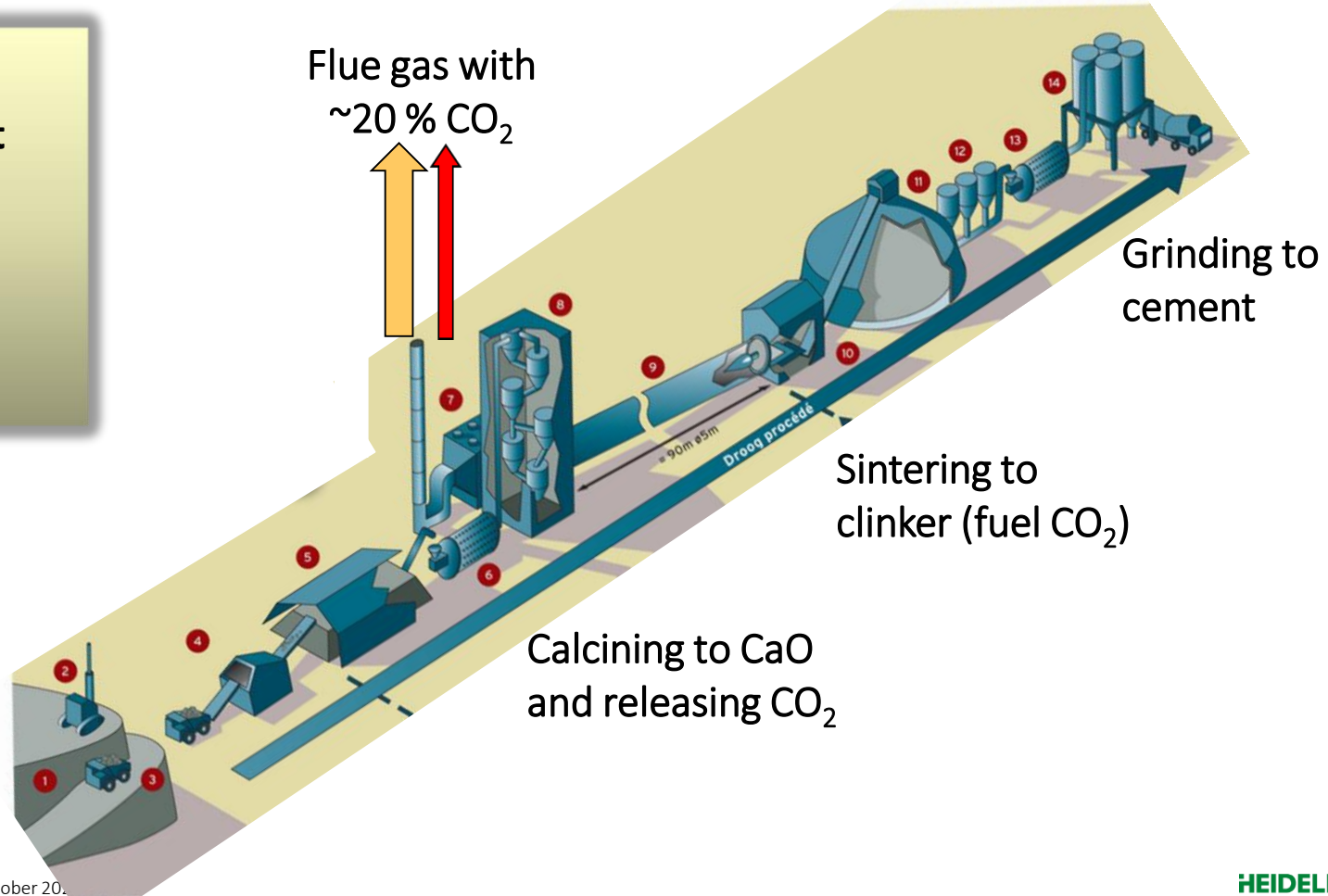
Cement production and CO₂ emission

1 ton cement

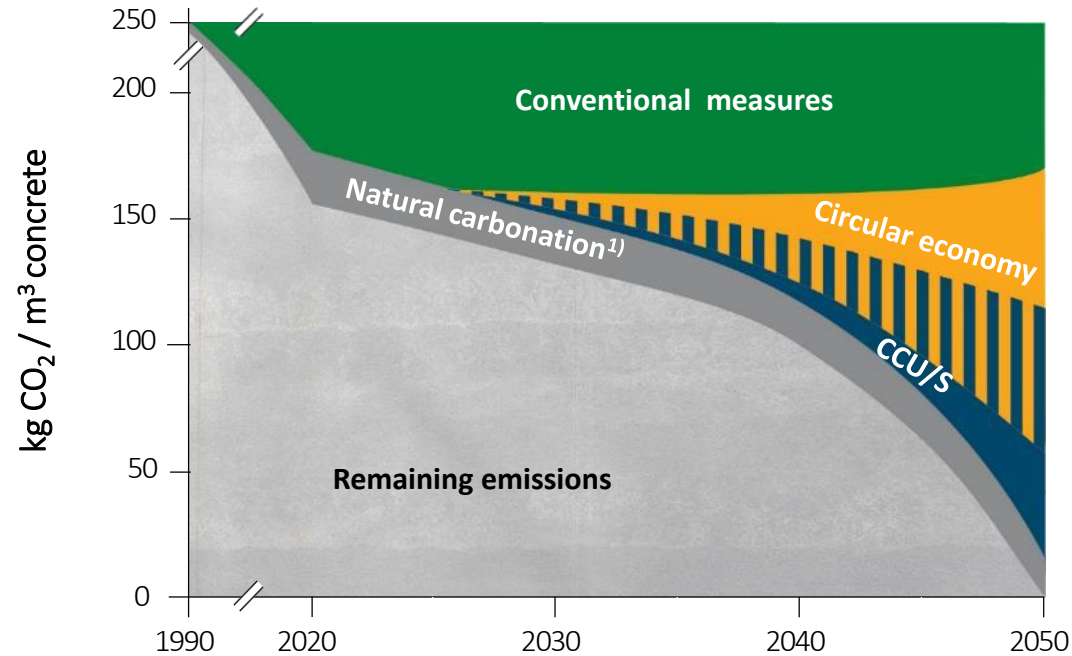


+ 590 kg CO₂

Limestone
CaCO₃



Carbon neutrality by 2050 build on 4 main tracks



1) Natural carbonation is the absorption of CO₂ from the atmosphere during the lifetime of a concrete construction

Portfolio HC in Europe on CC, CCU and CCS

CCS

Longship: full scale CCS in 2024



HC-Cementa CCS in 2030



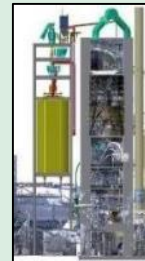
HC-Hanson UK part of HyNet 2026



CC



LEILAC Capture
Demo 2019



LEILAC-2
Demo 2020-2024



Oxyfuel
Demo 2019-2024

CCU

CO2MIN
Mineralization olivine
2017-2020



C²inCO₂
Recycle concrete carbonation
2020-2024

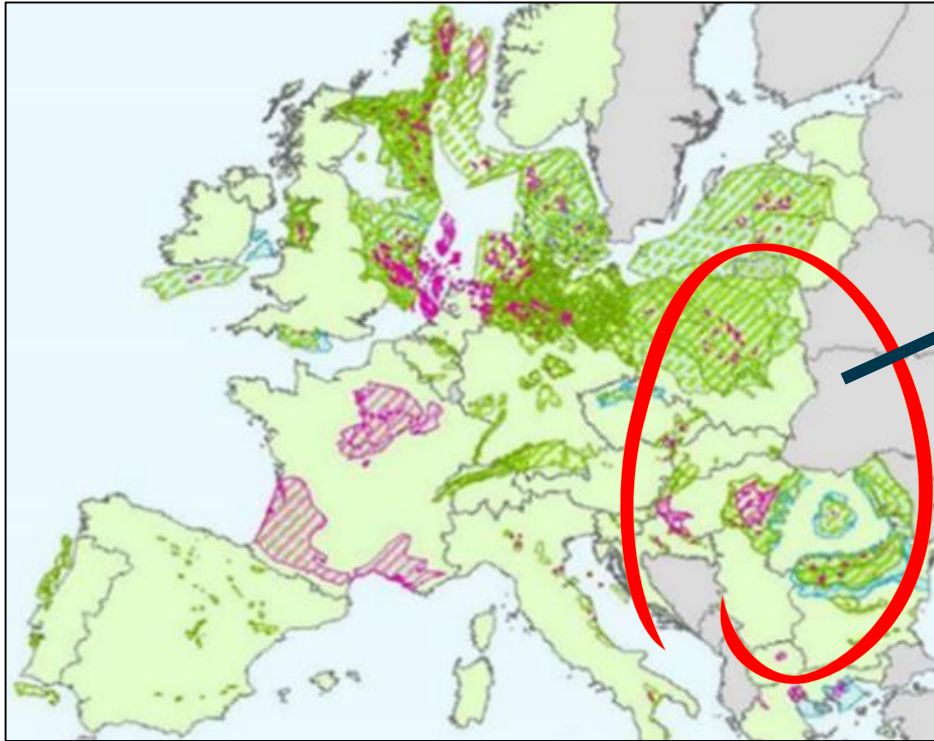


K4
CO₂ carbonation
2021-2025

CCUS at HeidelbergCement is real and ongoing !



CCS beyond the North Sea → onshore in Eastern Europe



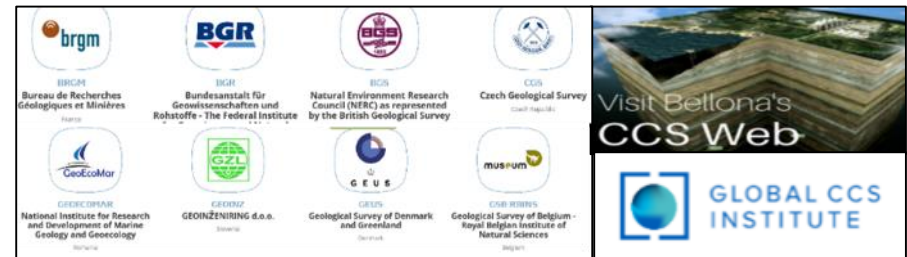
Onshore location + acceptance to be developed by HC and its partners

Trace suitable storage locations with Geological Institutes

Co-development with Storage Solution Provider (oil/gas)

Deep understanding of national laws and policy on CCS

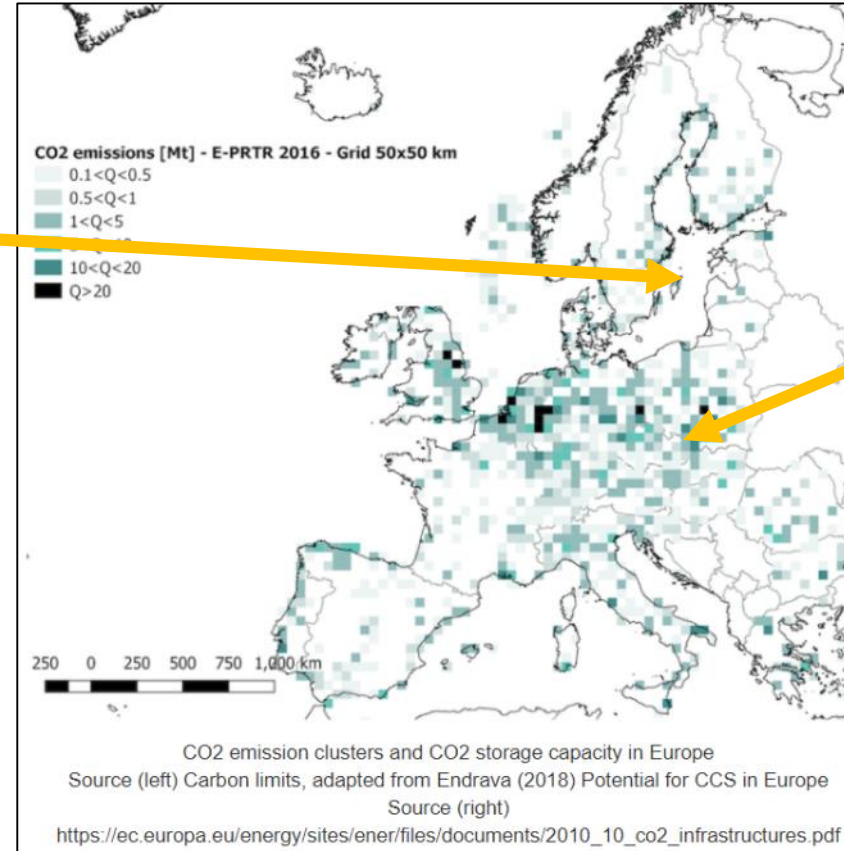
Societal Acceptance is a pre-requisite



HeidelbergCement around the Baltic Sea



Slite
1.8 mton CO₂/year



Góraźdże
2.5 mton CO₂/year

CCUS key pillar for Carbon
Neutrality 2050....

