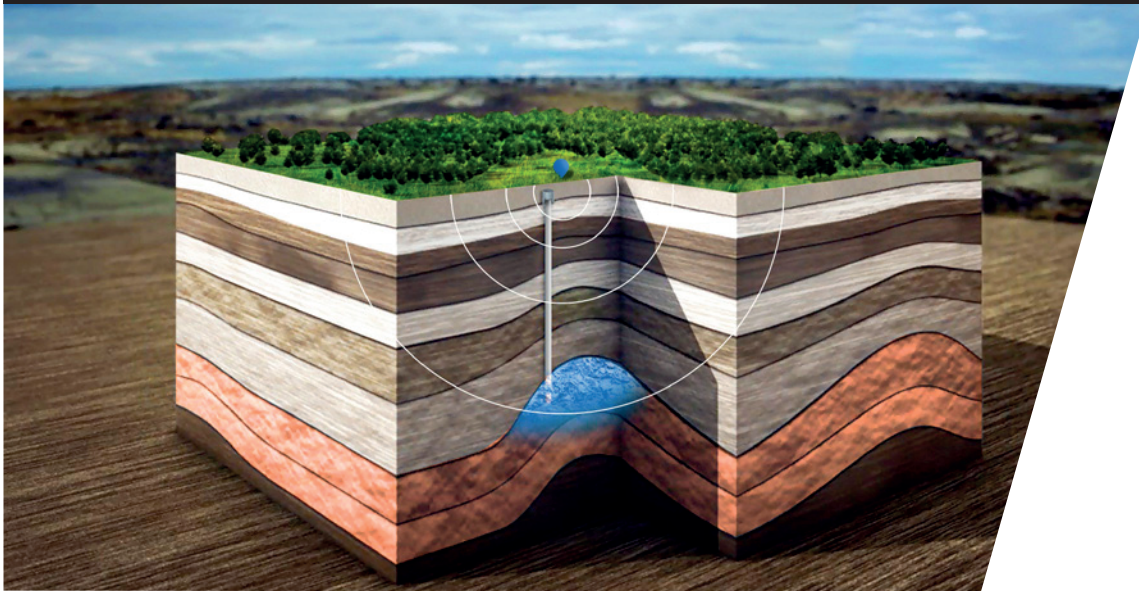




# CO<sub>2</sub> SITE CLOSURE ASSESSMENT RESEARCH



## The EU project CO<sub>2</sub>CARE...

CO<sub>2</sub>CARE aims to support the large-scale demonstration of the CO<sub>2</sub> Capture and Storage (CCS) technology by addressing the research requirements of a specific part of the chain: CO<sub>2</sub> storage site abandonment and transfer of responsibility.

To guarantee the safe and long-term storage of CO<sub>2</sub>, three main requirements- or 'high-level' criteria, must be demonstrated\*:

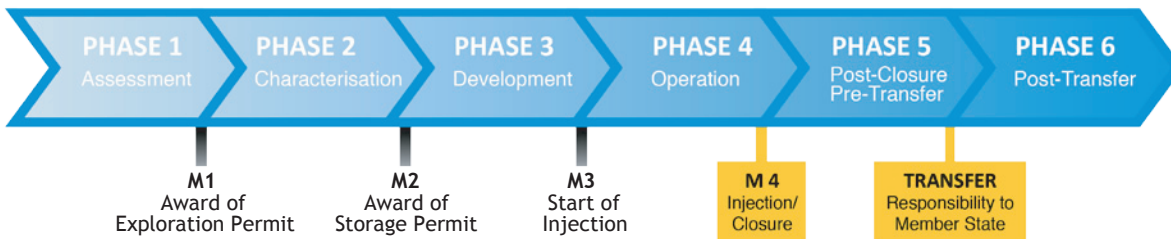
- Observed behaviour of the injected CO<sub>2</sub> conforms to the modelled behaviour
- No detectable leakage
- Storage site is evolving towards a situation of long-term stability

High level criteria

CO<sub>2</sub>CARE has an important role to play: identify and deliver technologies and procedures to guarantee that these criteria can be met, thus ensuring the post-closure safety and long-term stability of storage sites.

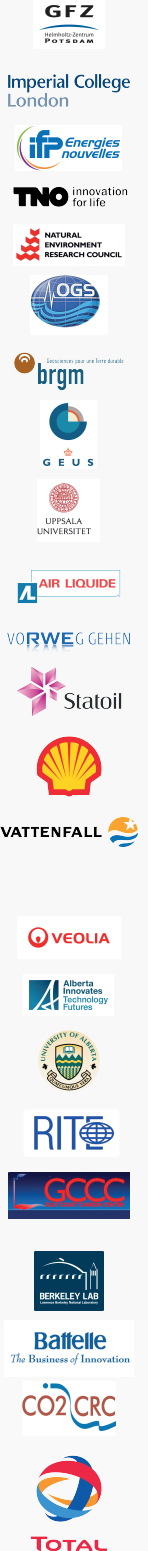
### CO<sub>2</sub>CARE within a bigger picture...

CO<sub>2</sub> Storage Life Cycle, broken down into Phases and Milestones\*.  
CO<sub>2</sub>CARE's scope covers the end of phase 4, phases 5 and 6.



Ultimately, CO<sub>2</sub>CARE will formulate robust procedures for site abandonment that will ensure long-term integrity of the storage complex.

\* Source: EC Guidance Document 3 "Implementation of Directive 2009/31/EC on the Geological Storage of Carbon Dioxide"



CO<sub>2</sub>CARE is grateful for the funding from the European Commission under the FP7 and from its industrial partners RWE, Statoil, Shell, Total, Vattenfall, and Veolia Environment.

