



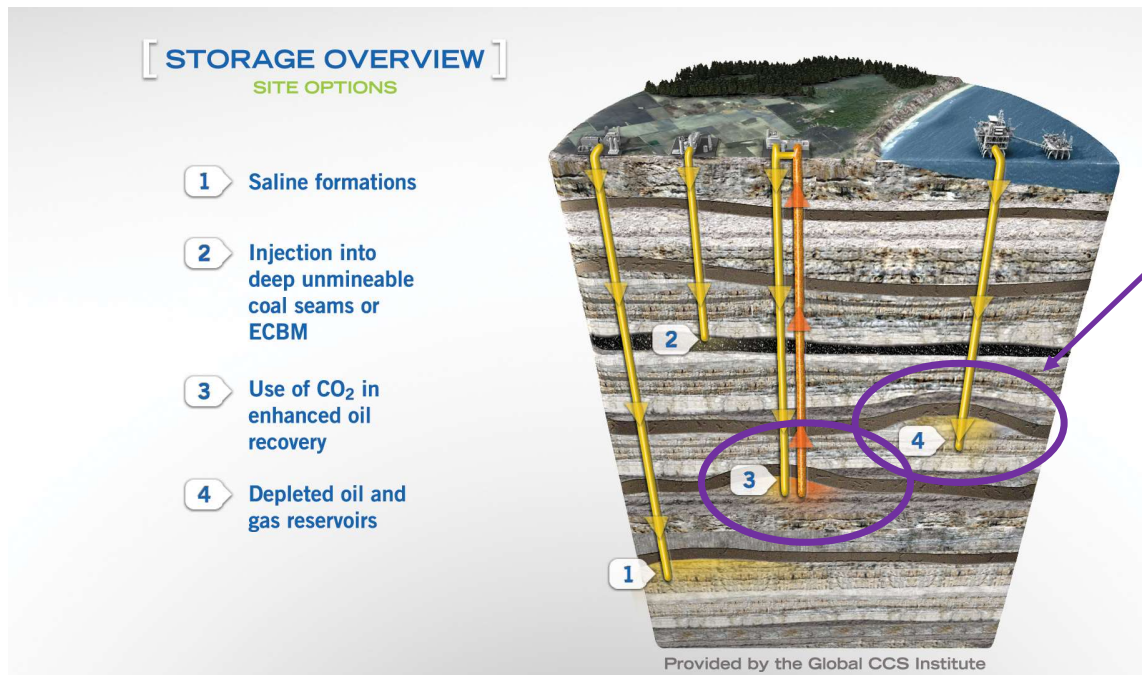
Conversion of an installation to an Underground Gas Storage facility

Questions

- Is it possible?
- Onshore or offshore
- Examples



Not only a theory



➤ depleted reservoirs in oil and/or natural gas fields, aquifers or salt cavern formations

➤ Main concerns (beside economy):

- porosity, permeability, retention capability
- Ownership (wells and filed)
- Installation maintenance (history data) and present state (special concern for compatibility steel type and new fluid type)
- legislations

➤ Onshore and offshore

➤ Legislation in Croatia

Legislation and example for UGS

➤ Covered with Act on the exploitation and production of hydrocarbons, for example:

- Tender process
- Permission for gas storage
- License for activities
- Contract
- Project etc....

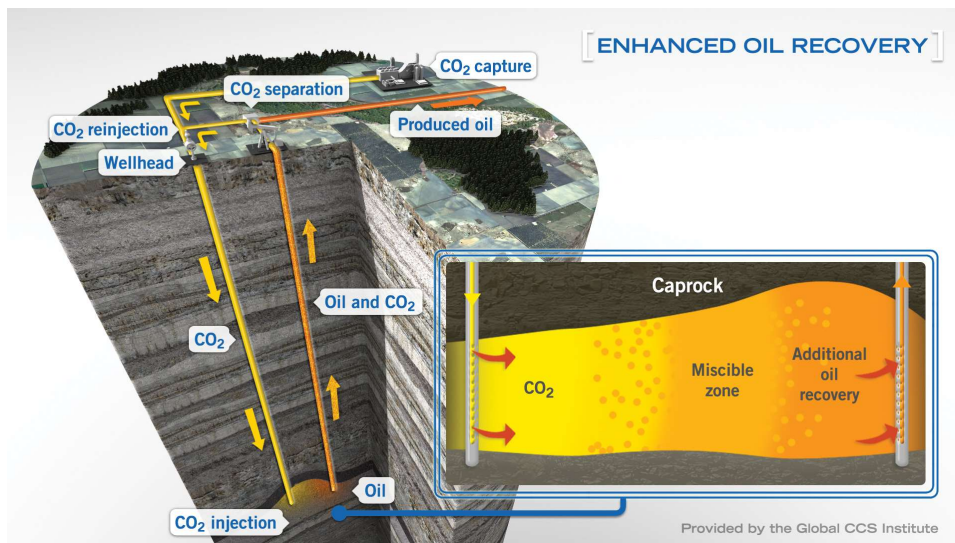
➤ EIA procedure, measures and environmental program

➤ One UGS in Croatia, another one in process

➤ In old depleted gas field, in operation since 1988.

➤ CS very similar procedure (in line also with Green Deal)

EOR project



- Tertial method
- Main concerns:
 - Installation maintenance (history dana) and present state (special concern for compatibility pipe type and injected CO₂)
- One project in Croatia – in oil production, source CO₂ located on nearby filed during production as well as water
- Legislation in Croatia – dedicated part in PSA, for older fields possible with addendum of mining project and EP study (measures and program must be revised)