

Overview CCS

1. depleted O&G reservoirs
 - well understood, low pressure, infrastructure in place
2. part of enhanced oil recovery (EOR)
 - part of CCUS, economical
3. saline aquifers
 - largest available volume at sea
4. coal bed
 - not much volume
5. other
 - mineralization of basalt, caverns in salt

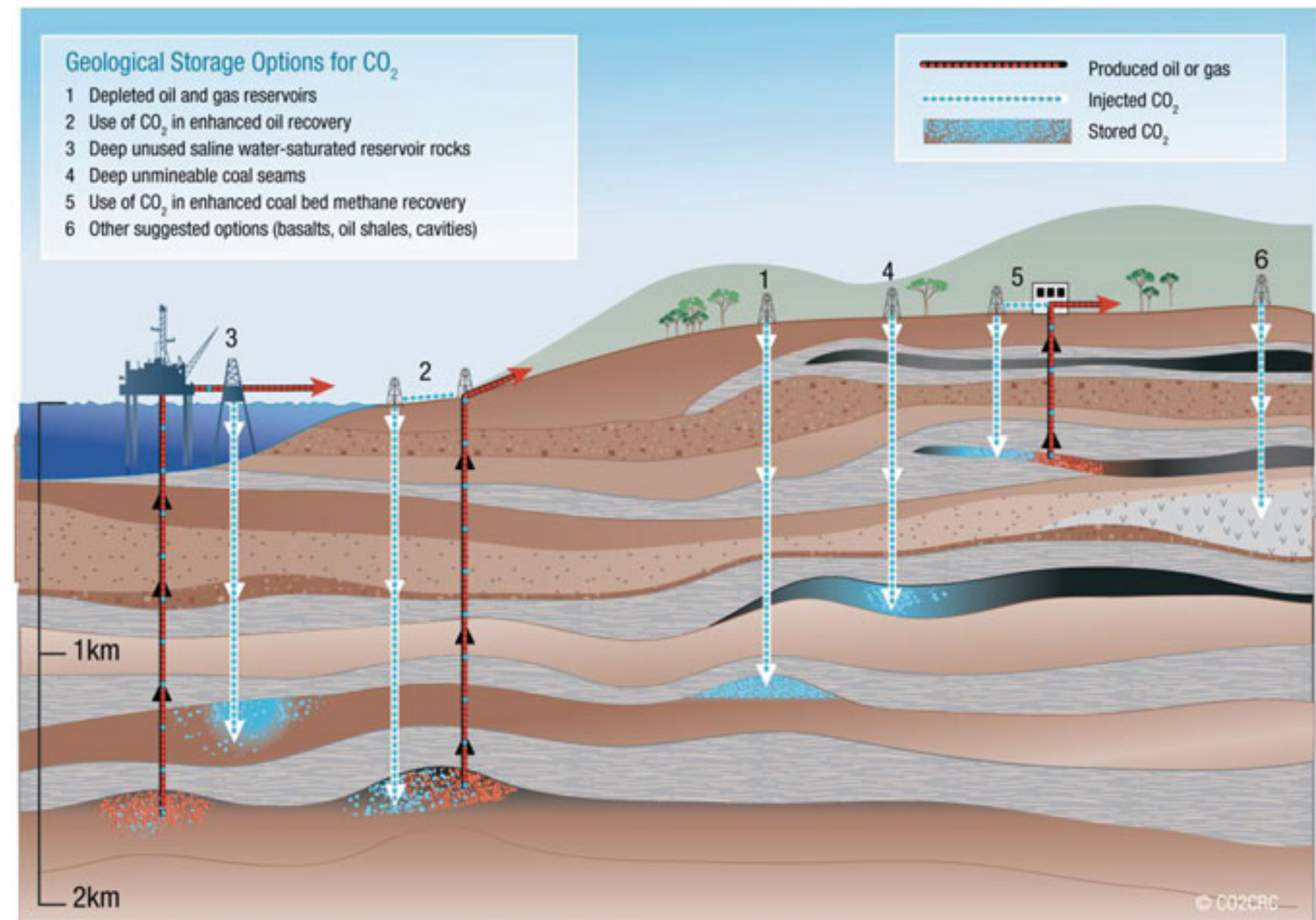


Fig. 1.5 Overview of geological storage options for CO₂ (©CO2CRC, image courtesy of CO2CRC Ltd)

Application of ΔP method to global developments

- Projected growth of CO₂ injection wells based on historical hydrocarbon well developments.
- Concept captures industrial maturation phases for global CO₂ storage
- Uncertainty range based on bounds (P10 - P90) from empirical injection rates

Main finding:

We will need ~12,000 CO₂ injection wells by 2050 to achieve 2DS goal

