

Overview CCS

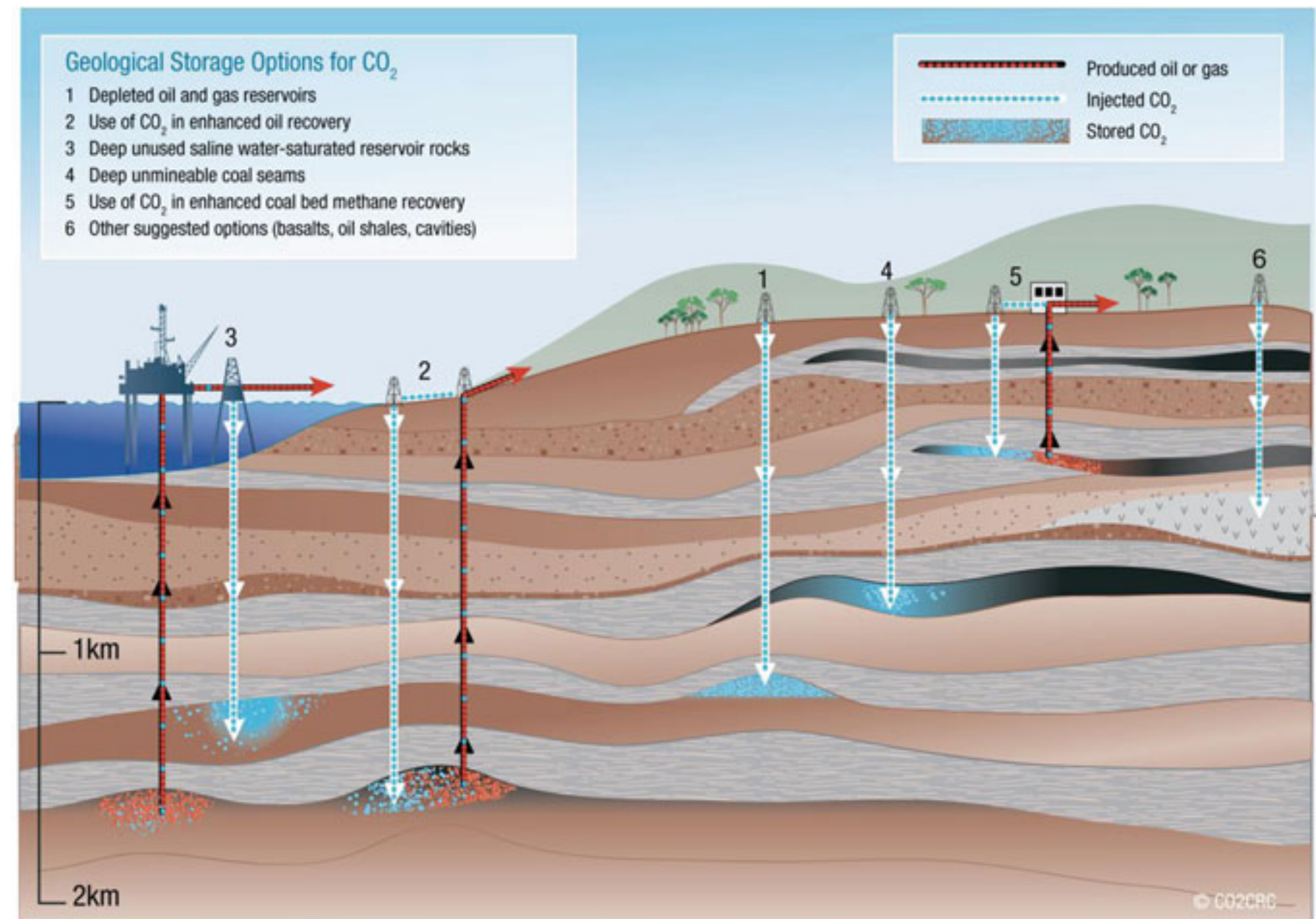


Fig. 1.5 Overview of geological storage options for CO₂ (©CO2CRC, image courtesy of CO2CRC Ltd)

Geological Storage of CO₂

1. The basic concept is to **store captured CO₂ underground** in reservoirs that would otherwise contain water, oil or gas
2. We need to be deep (greater than 800m) to ensure CO₂ is in a dense form – the **super-critical phase**
3. These are also the depths where we are confident that natural gas has been trapped **for millions of years**
4. But the big questions are:
 - Where do we store it?
 - How much CO₂ can we inject?
 - Can we store it safely?
 - Can we store it cost-effectively?

