

# What is CCS?

(CO<sub>2</sub> Capture & Storage)

**A ready-to-go, viable and flexible mitigation technology for reducing CO<sub>2</sub> emissions into the atmosphere**

**CO<sub>2</sub>** is produced at large industrial process facilities, such as coal and natural gas power plants, steel mills, refineries, cement and paper plants.

**Capture** processes can be applied to large-scale CO<sub>2</sub> emission sources (including those listed above). CO<sub>2</sub> separation/capture technologies have been used for decades. Once separated, the CO<sub>2</sub> may be used as a feedstock in various industries or be compressed and transported, usually via pipeline or ship, to a suitable site for storage.

**Storage** The CO<sub>2</sub> is injected deep underground (> 800 m) and is stored in the natural spaces between rock grains (pores). At the carefully selected geological storage sites, the CO<sub>2</sub> is trapped beneath impermeable seal rocks and permanently stored. CO<sub>2</sub> is already being stored at suitable sites across the world.

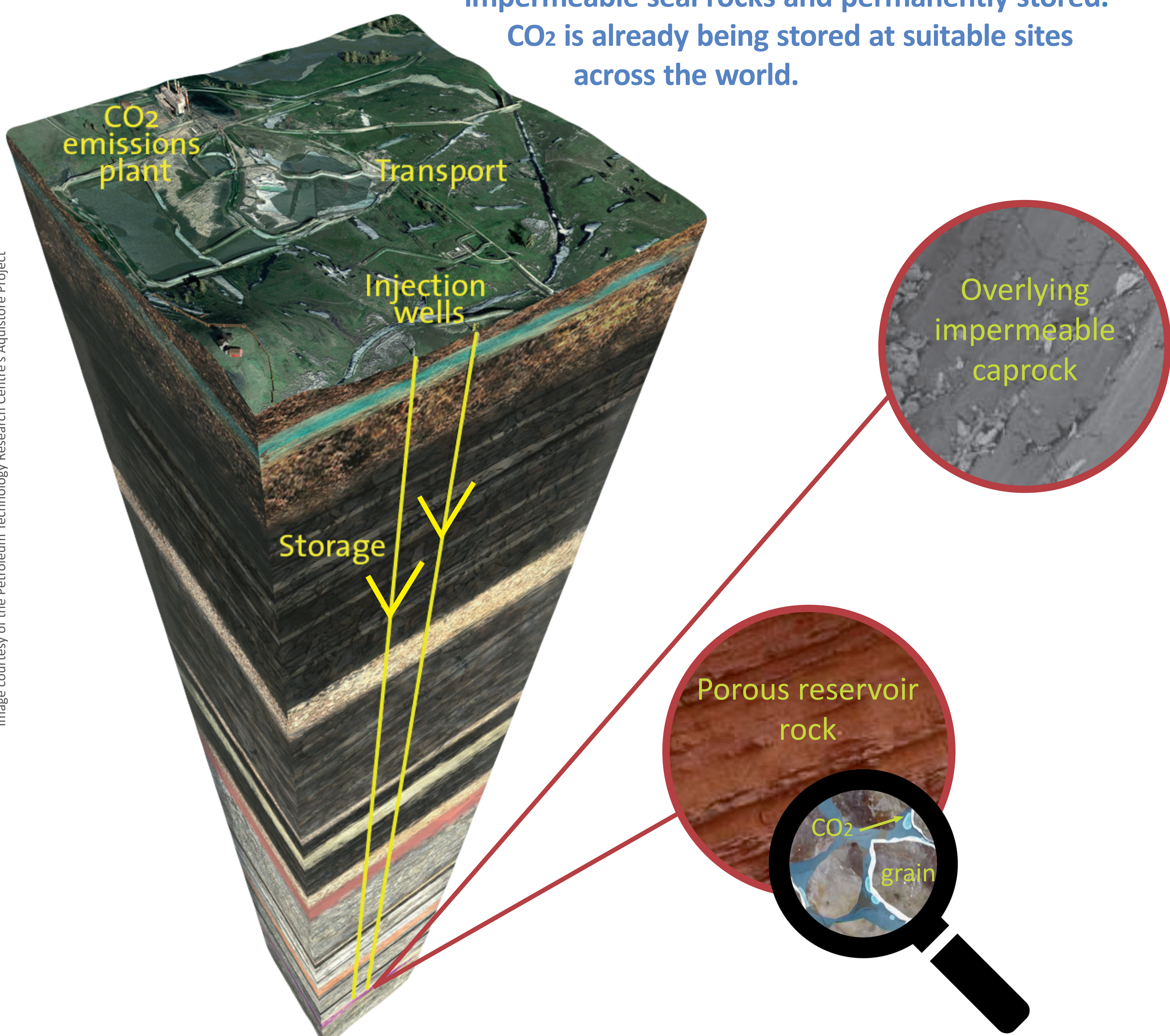


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