What is CCS? (CO_2 Capture & Storage)

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A ready-to-go, viable and flexible mitigation technology for reducing CO_2 emissions in the atmosphere

CO_2 is produced at large industrial process facilities, such as coal and natural gas power plants, steel mills, refineries, cement and paper plants.

Capture can be applied to large-scale point-source emitters (plants). CO_2 separation/capture technologies have been operational for decades. Once separated, the CO_2 may be used as a feedstock in various industries or be compressed and transported, usually via pipeline or ship, to a suitable site for geological storage.

Storage The CO_2 is injected deep underground (>800m) into porous rock formations, overlain by impermeable sealing rocks, where it is retained permanently.

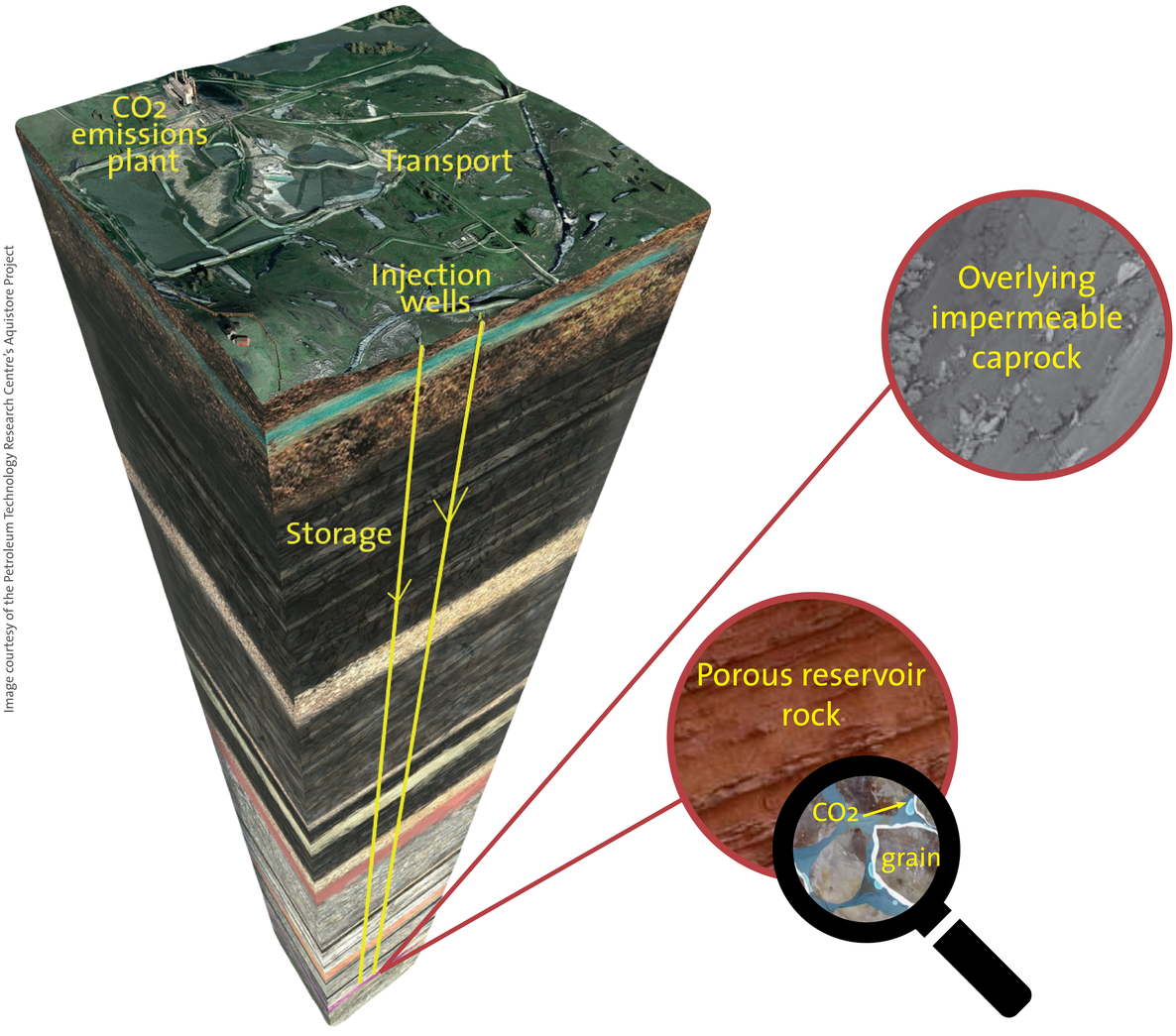

Image courtesy of the Petroleum Technology Research Centre's Aquistore Project

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