

Brochure available in 30 languages!!!!

## What does CO<sub>2</sub> geological storage really mean?

Click on the links below to download

Arabic [الجيوولوجي التخزين حقا يعنى ماذا CO<sub>2</sub> ؟](#)

Chinese brief [何谓二氧化碳地质封存](#)

Chinese traditional [何謂二氧化碳地質封存](#)

Bulgarian ["Какво означава в действителност геоложкото съхранение на CO<sub>2</sub>?"](#)

Croatian ["Što zapravo znači geološko skladištenje CO<sub>2</sub>?"](#)

Czech ["Co to vlastně je geologické ukládání CO<sub>2</sub>?"](#)

Danish ["Hvad betyder geologisk lagring af CO<sub>2</sub> egentlig?"](#)

Dutch ["Wat betekent ondergrondse CO<sub>2</sub>-opslag nu eigenlijk?"](#)

English ["What does CO<sub>2</sub> geological storage really mean?"](#)

Estonian ["Mida CO<sub>2</sub> geoloogiline ladustamine tegelikult tähendab?"](#)

Finnish ["Mitä hiilidioksidin \(CO<sub>2</sub>\) geologinen varastointi tarkoittaa?"](#)

French ["Que signifie vraiment le stockage géologique du CO<sub>2</sub> ?"](#)

German ["Geologische CO<sub>2</sub> - Speicherung - was ist das eigentlich?"](#)

Greek ["Τι σημαίνει στην πραγματικότητα γεωλογική αποθήκευση του CO<sub>2</sub>?"](#)

Hungarian ["Mit jelent valójában a CO<sub>2</sub> geológiai tárolása?"](#)

Italian ["Che cosa significa veramente lo stoccaggio geologico della CO<sub>2</sub>?"](#)

Latvian ["Ko īstenībā nozīmē CO<sub>2</sub> uzglabāšana zemes dziļēs?"](#)

Lithuanian ["Ką reiškia geologinis CO<sub>2</sub> saugojimas?"](#)

Norwegian ["Hva betyr geologisk lagring av CO<sub>2</sub> egentlig?"](#)

Polish ["Podziemne składowanie CO<sub>2</sub> - czym jest tak naprawdę?"](#)

Portuguese ["O que significa realmente armazenamento geológico de CO<sub>2</sub>?"](#)

Romanian ["Ce înseamnă, de fapt, stocarea geologică a CO<sub>2</sub>?"](#)

Russian ["Что в самом деле означает геологическое хранение CO<sub>2</sub>?"](#)

Serbian ["Šta zaista znači geološko skladištenje CO<sub>2</sub>?"](#)

Slovakian ["Čo skutočne znamená geologické ukládanie CO<sub>2</sub>?"](#)

Slovenian ["Kaj geološko skladiščenje CO<sub>2</sub> pravzaprav pomeni ?"](#)

Spanish ["¿Qué significa el Almacenamiento Geológico de CO<sub>2</sub>?"](#)

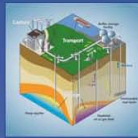
Swedish ["Vad innebär egentligen geologisk lagring av koldioxid?"](#)

Turkish ["CO<sub>2</sub>'nin yeraltı katmanlarında depolanması gerçekte ne anlama geliyor?"](#)

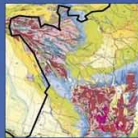
Ukrainian ["Що насправді означає геологічне зберігання CO<sub>2</sub>?"](#)



## Contents



Climate change and the need for CO<sub>2</sub> geological storage ..... 4



1. Where and how much CO<sub>2</sub> can we store underground? ..... 6

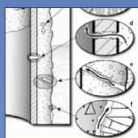


2. How can we transport and inject large quantities of CO<sub>2</sub>? ..... 8



3. What happens to the CO<sub>2</sub> once in the storage reservoir? ..... 10

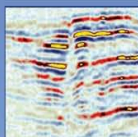
4. Could CO<sub>2</sub> leak from the reservoir and, if so, what might be the consequences? ..... 12



5. How can we monitor the storage site at depth and at the surface? ..... 14

6. What safety criteria need to be imposed and respected? ..... 16

Glossary ..... 18



What CO<sub>2</sub>GeoNet can do for you ..... 19

This Brochure was produced thanks to the contributions of:  
Rob Arts, Stanley Beaubien, Tjirk Benedictus, Isabelle Czernichowski-Lauriol, Hubert Fabriol, Marie Gastine, Ozgur Gundogan, Gary Kirby, Salvatore Lombardi, Franz May, Jonathan Pearce, Sergio Persoglia, Gijs Remmelts, Nick Riley, Mehran Sohrabi, Rowena Stead, Samuela Vercelli, Olga Vizika-Kavvadias.



Translation initiated by CO<sub>2</sub>GeoNet and then continued under the [CGS Europe project](#)

Paper copies can be requested from the Secretariat: [info@co2geonet.com](mailto:info@co2geonet.com)



[www.co2geonet.eu](http://www.co2geonet.eu)