

CO₂ Data Share - sharing reference datasets from CO₂ storage projects

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CO₂ Data Share aims to be an international platform for CO₂ storage data exchange. It is designed to promote R&D of new technology based on experience gained from demonstration and industrial projects, and thereby accelerate the deployment of CCS. Objectives are:

- Lowering the threshold for data owners to share with the CCS community
- Make it easy to find, access and use well-documented datasets through an online repository
- Curate and prepare a limited number of high-quality reference datasets
- Stimulate sharing of results and promote networking

The initiative is currently a collaboration between US and Norwegian stakeholders, but aims to be an open international network that includes private and public actors. The first version of the online repository is expected to be ready by mid-2019, and is likely to include datasets from Sleipner, Snøhvit and the Illinois Basin-Decatur Project.

Data providers

At present, data related to CO₂ storage is often shared on an *ad hoc* basis, creating extra workload for data owners. CO₂ Data Share aims to be a *simple, standard* and *low-cost* solution to make datasets available to the worldwide research community, and to motivate data owners to share valuable site data along with underlying documentation. In the long run, this should contribute to cost reductions and improved confidence in CCS.

Data users

Data users, whether academic or industrial, often face significant challenges benefiting from experience gained from first-mover projects. Data is frequently hard to access or not at all available, and potential users might not even know about its existence. CO₂ Data Share aims to provide an easy-to-use online repository for well-documented, quality data that users can search and explore, while respecting access and use restrictions by data providers when required.

Online data repository

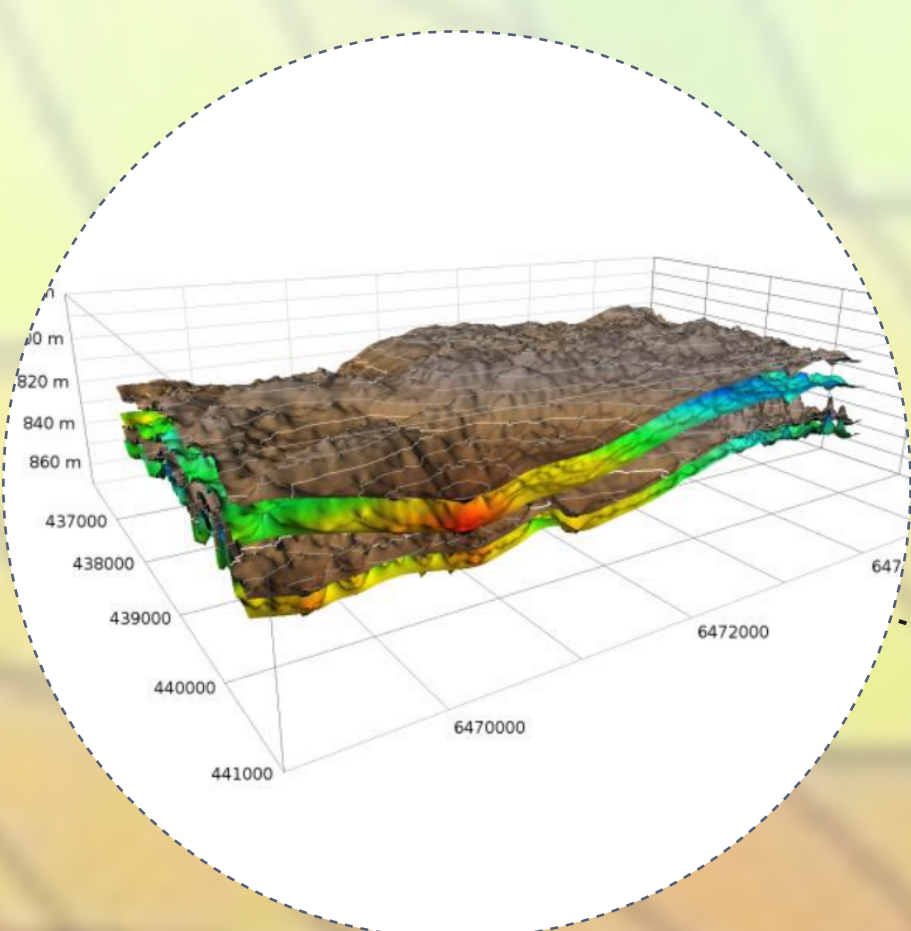
The data repository is set up to facilitate publication, discovery and access to datasets through an online web portal, built upon the open-source CKAN software solution.

In selecting and preparing datasets, the emphasis is on usability and quality rather than repository size. While data providers are encouraged to share data as freely as possible, access restrictions often apply, and this must be technically supported by the online portal. On the other hand, the permanent permeability of citeable reference datasets is key to facilitating *reproducible research*.

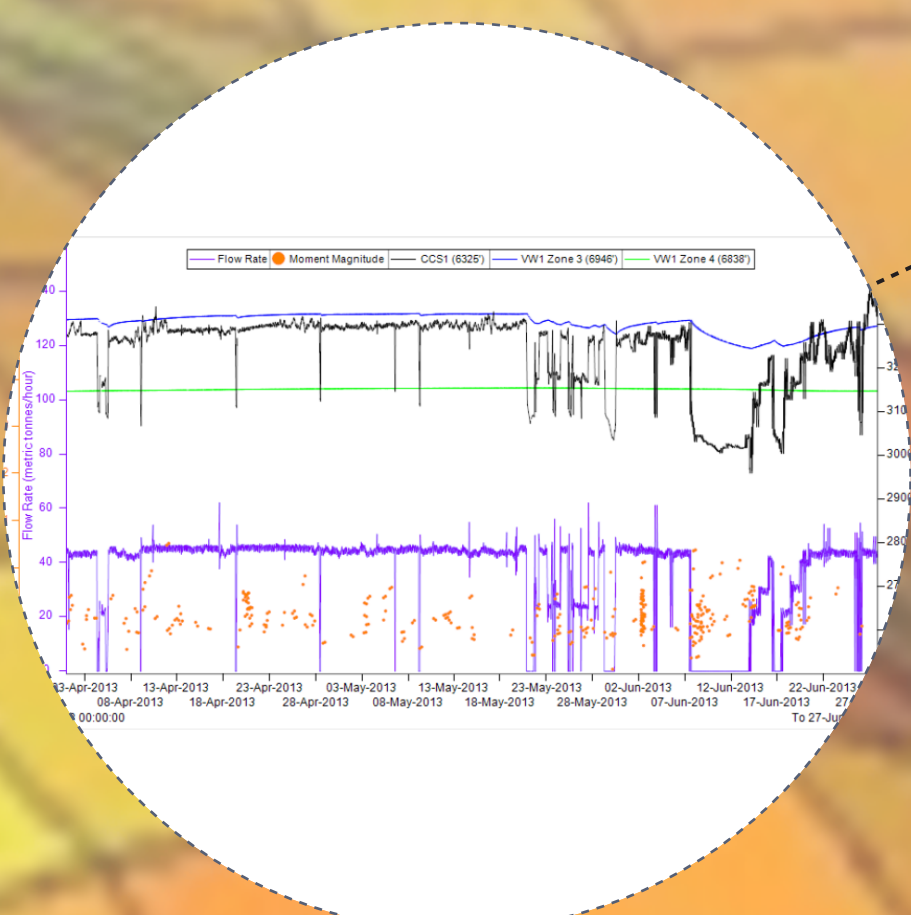
CO₂ Data Share and its online provision of datasets will draw on experiences from other data sharing initiatives, such as the Ginninderra Controlled Release Facility Dataset, the UK CO₂ Storage Evaluation Database, and the EDX Energy Data eXchange System developed by NETL (DOE).

A webinar on CO₂ Data Share is scheduled for May 24, 2018. Sign up at: <https://register.gotowebinar.com/register/6354323278341408002>

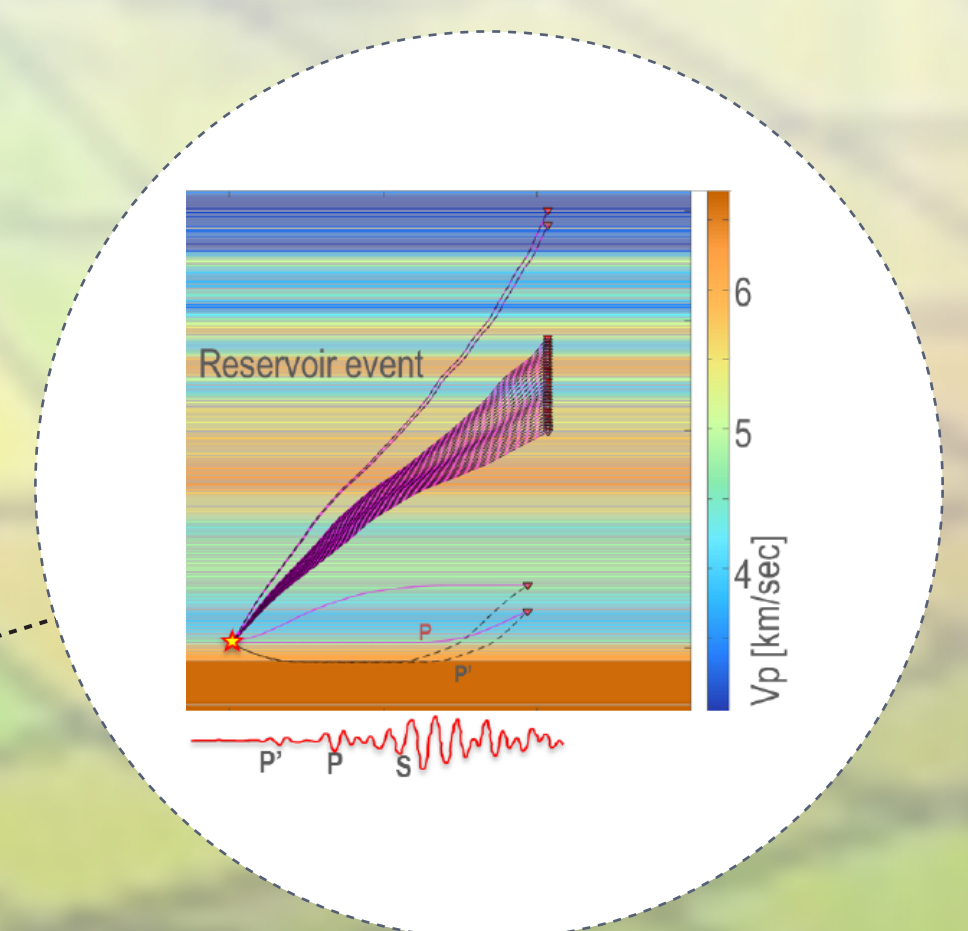
simulation models



well data



seismic measurements



and other

