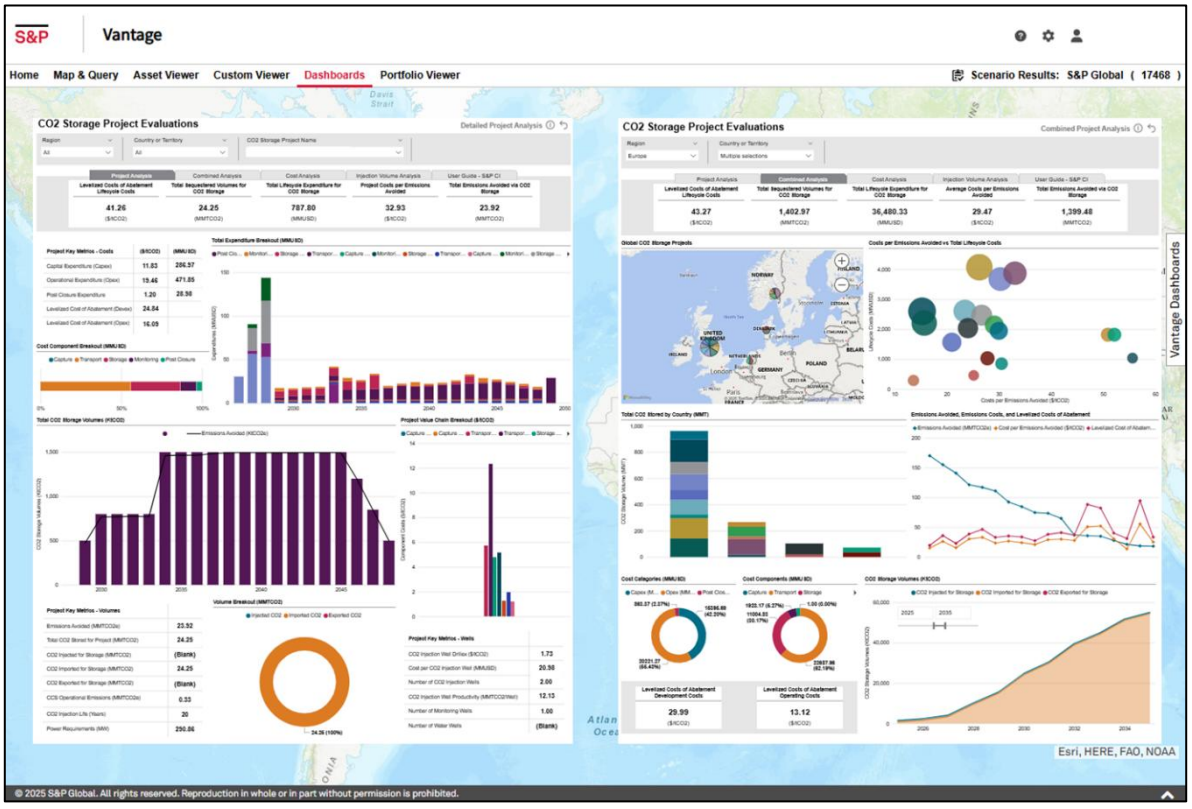
CO_2 Storage Project Evaluation

Release Date 15 October 2025

From the subsurface to the boardroom: De-risking carbon storage, understanding project feasibility and accelerating project deployment

Carbon storage is central to achieving net-zero — but no two storage sites are alike. Each project faces unique challenges: subsurface complexity, evolving regulations, and the economic pressures of capital-intensive investments. These risks can slow progress or halt deployment altogether.

S&P Global Commodity Insights brings clarity to this complexity with the new CO_2 Storage Project Evaluation tool. Built to address technical, economic, and environmental risk, it provides the insights needed to make informed investment decisions and accelerate development timelines.



S&P Global
Commodity Insights

© 2025 S&P Global

Powered by Vantage, S&P Global's digital analytics platform, the solution extends proven capabilities from upstream oil & gas into carbon storage. With rigorous screening, benchmarking, and technical workflows, you can identify viable opportunities, reduce uncertainty, and execute projects with greater assurance.

The S&P Global Advantage

Our CO_2 Storage Project Evaluation tool delivers:

- **Integrated intelligence** – Comprehensive datasets and forward-looking analytics to enable smarter project screening, precise benchmarking, and confident evaluation of CO_2 storage opportunities, leveraging Vantage's capabilities.
- **Technical certainty** – Assess project capacity, injectivity, power requirements and project emissions with our in-depth volume analysis. Understand how your project or portfolio stacks up against its peers or current project pipelines from a regional perspective. Combine with S&P Global's Geological Storage Database to further understand subsurface storage characteristics and containment using detailed geological data, ensuring robust, data-driven project evaluations.
- **Cost forecasting** – Combining S&P Global's CCUS Cost Estimation tool with in-house modelling to predict CCS project costs for near-term and developing projects. Historic and forward looking timeseries cost profiles detailing capture, transport, storage, monitoring, and post closure cost breakdowns, are provided on a project-by-project basis.
- **Project feasibility** – Make informed decisions based on detailed lifecycle analysis. Unit costs and key metrics such as levelized costs of abatement and costs per emissions avoided give users the ability to assess project competitiveness and cost effectiveness on a consistent, standardized basis.
- **Infrastructure context** – Understand individual project development concepts and associated infrastructure. Further evaluate projects in relation to nearby hubs, pipelines, and transportation infrastructure by leveraging the CCUS Projects & Hubs Database to monitor projects, hub developments, and broader infrastructure trends.

© 2025 S&P Global

Client Focused Solutions

Every CO_2 storage project faces complexity — from subsurface performance to investment and compliance. We help clients with decision-ready insights:

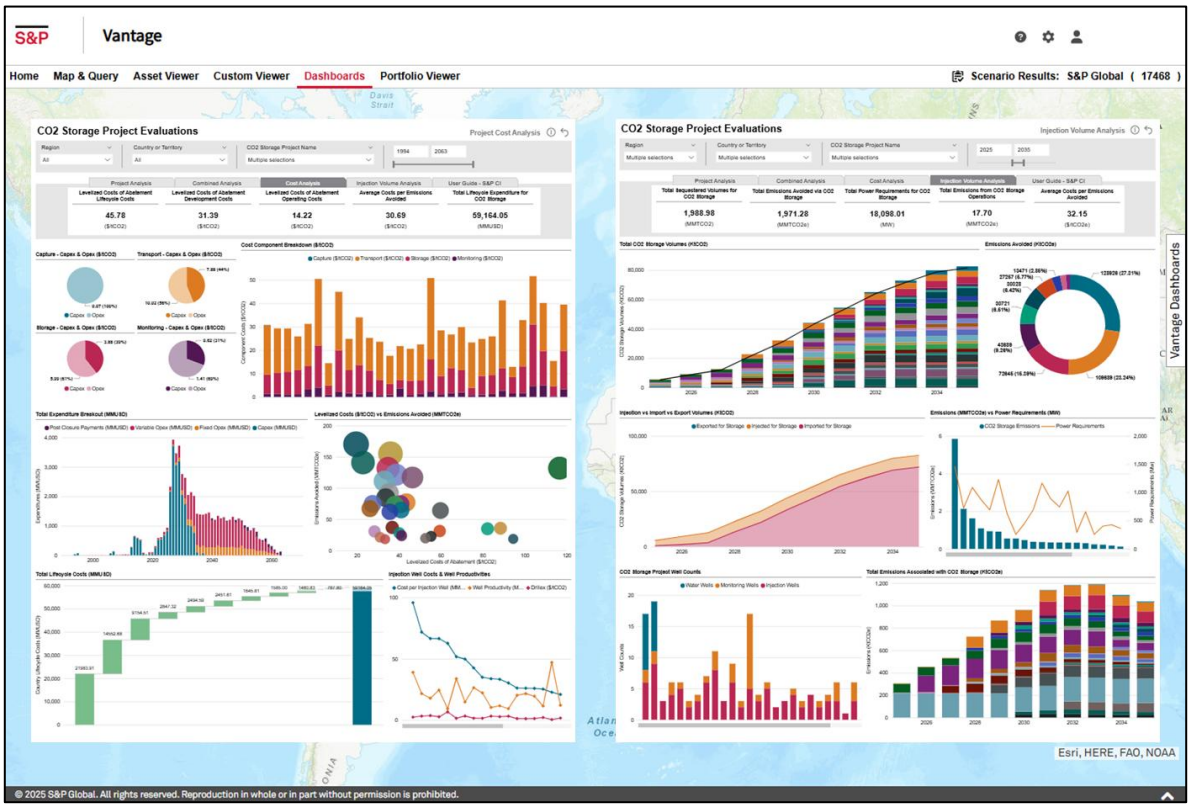
- **Operators and storage developers** – De-risk projects early, optimize project deployment, determine project feasibility, and shorten time to FID. Benchmark project costs, volumes and key metrics against a suite of real world, high-profile, near-term CO_2 storage projects.
- **Investors** – Compare and contrast key project economic metrics such as levelized costs of abatement and costs per emissions avoided. Scrutinise timeseries project expenditures and understand development strategies.
- **Governments & Regulators** – Identify project driven national storage capacities, project scheduling and timeframes as well as project readiness with transparency to support effective policy and net-zero strategies.

© 2025 S&P Global

Data, Delivery, and Workflow Integration

The CO_2 Storage Project Evaluation tool transforms complex data into clear, and actionable workflows. It is delivered via dashboard visualization in S&P Global's Vantage platform with all data downloadable via excel through PowerBI:

- **Screen opportunities** – Identify and compare sites worldwide with comprehensive datasets and forward-looking analytics.
- **Evaluate subsurface** – Assess capacity, injectivity, and containment with proprietary modelling and the Geological Storage Model.
- **Advance with clarity** – Integrate results into portfolio planning, investor reporting, and board-level strategy.



Take the Lead

De-risk your storage investments. Secure clarity at every stage of the CCS journey.

Contact S&P Global Commodity Insights to learn more about the CO_2 Storage Project Evaluation tool.

S&P Global
Commodity Insights

© 2025 S&P Global

Related Solutions*

- EDIN – Dashboards/Geological Storage Monitor
- CCUS Cost Estimator Tool
- CCUS Projects & Hubs Database
- Vantage

*may require additional subscription

Contact us

Client Services, ci.support@spglobal.com, will be available to answer any customer questions or provide assistance.

© 2025 S&P Global