

NETL SUPPORTS AIRBORNE TECHNOLOGY TO MONITOR CARBON STORAGE SITES

A team led by NETL researchers completed a first-of-its-kind electromagnetic survey to monitor carbon dioxide (CO₂) at a subsurface geologic storage site.

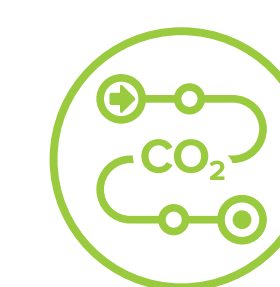


Airborne surveying of subsurface geologic storage site.

Large-scale CO₂ sequestration must be closely monitored to ensure the greenhouse gas does not leak to the surface or contaminate underground aquifers that supply drinking water.

- Currently, special trucks are used to generate seismic waves and collect the reflected subsurface seismic data. This technique is expensive. A cheaper solution to image subsurface CO₂ plumes was needed.
- Airborne electromagnetic surveys require far less time and can be completed at lower cost.
- Airborne surveys also eliminate the need to negotiate agreements with landowners to bring equipment to a site when a survey needs to be completed.

RESEARCH PRIORITY



CARBON STORAGE AND TRANSPORT

PERFORMERS



NATIONAL ENERGY TECHNOLOGY LABORATORY

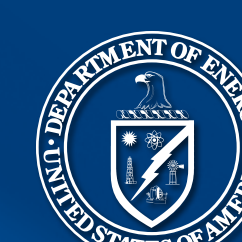


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