

Carbon Storage and Oil and Gas R&D Project Review Meeting

The U.S. Department of Energy (DOE), National Energy Technology Laboratory (NETL) hosted a joint Carbon Storage and Oil and Natural Gas Research and Development (R&D) Project Review Meeting in Pittsburgh, Pennsylvania, on August 16–18, 2016. More than 250 attendees from 6 countries, 27 universities, 7 national laboratories, and several state and federal government agencies attended the meeting. The keynote speaker, NETL Deputy Director Sean Plasynski, focused on “Mastering the Subsurface Through Technology Innovation and Collaboration.” The opening plenary session continued with a presentation on DOE’s Subsurface Technology and Engineering Research, Development, and Demonstration (SubTER) Crosscut Initiative; overviews of DOE’s Clean Coal and Oil and Natural Gas R&D Programs; an international offshore carbon storage panel discussion; and a panel discussion on the International Energy Agency Greenhouse Gas (IEAGHG) Monitoring Network. Additional plenary sessions were devoted to panel discussions on microseismicity and the National Risk Assessment Partnership (NRAP), an overview of DOE’s research focused on water treatment technologies, an Oil and Natural Gas Program update, and an overview of NETL’s subsurface intramural research. Additional plenary sessions were conducted to highlight the major accomplishments of the Regional Carbon Sequestration Partnerships (RCSPs).

Spanning the three days, 26 parallel breakout sessions were organized, which focused on subsurface research topics crosscutting both the Carbon Storage and Oil and Natural Gas Programs: geomechanics, geophysics, SubTER, development and field testing of monitoring technologies, hydraulic fracturing, geologic storage, pressure management, offshore systems and resource assessments, capacity and storage efficiency, modeling, wellbore integrity and mitigation, improved oil recovery, associated storage, and intelligent monitoring systems.

An evening session included more than 60 posters, demonstrations, and booths addressing research topics ranging from carbon storage and oil and natural gas R&D, NRAP, RCSPs, and SubTER. This open forum provided a less formal environment and encouraged and facilitated discussion among the presenters and attendees. Presentations and poster abstracts may be found on the NETL website.