

5th Annual Carbon Storage R&D Project Review Meeting

The 5th Annual Carbon Storage Research and Development (R&D) Project Review Meeting was held in Pittsburgh, Pennsylvania, on August 18–20, 2015, hosted by the U.S. Department of Energy (DOE), National Energy Technology Laboratory (NETL). More than 230 attendees from 5 countries, 23 universities, 10 national laboratories, and government agencies attended the meeting. The keynote speaker, NETL Director Grace M. Bochenek, Ph.D., focused on “Transforming Technology through Integration and Collaboration.” The opening plenary session continued with presentations on DOE’s Clean Coal R&D Program and the Norwegian Research, Development, and Deployment Carbon Capture and Storage (CCS) Program (CLIMIT); a panel discussion on the International Energy Agency Greenhouse Gas (IEAGHG) Monitoring Network and an international projects monitoring panel discussion; and it concluded with a presentation on the U.S. Department of Interior’s (DOI) Bureau of Ocean Energy Management (BOEM). Additional plenary sessions were devoted to DOE’s Energy Frontier Research Centers (EFRCs); the Subsurface Technology and Engineering Research, Development, and Demonstration (SubTER) crosscut initiative; and the National Risk Assessment Partnership (NRAP). Additional plenary sessions were conducted over three days to highlight the major accomplishments of the Regional Carbon Sequestration Partnerships (RCSPs).

Spanning the three days, 19 parallel sessions were conducted in the following research areas: geomechanics, associated storage, storage efficiency, modeling, carbon use and reuse, wellbore integrity, reservoir management, tracers, real time monitoring, surface and atmospheric monitoring, and mitigation.

Two evening sessions included more than 70 posters, demonstrations, and booths focused on topics ranging from core R&D, NRAP, RCSPs, SubTER, and EFRCs. This open forum provided a less formal environment and encouraged and facilitated discussion among the presenters and attendees. The conference closed with a presentation by the NETL Technology Manager for Carbon Storage, Traci Rodosta, on the subject of key technical challenges associated with carbon storage. Presentations and poster abstracts may be found on the NETL website.