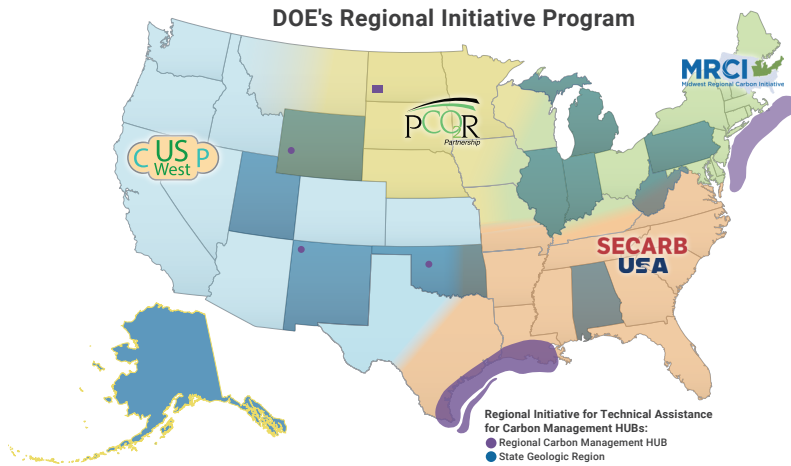




Regional Initiatives to Accelerate Carbon Capture, Utilization, and Storage (CCUS) Deployment

DOE's Regional Initiatives identify and address challenges facing commercial deployment of CCUS by providing a broad range of technical, procedural, and outreach assistance to CCUS efforts across the United States.



DOE's Regional Carbon Sequestration Partnerships (RCSPs) (2003-2019)

- Successfully completed 6 large-scale geologic carbon storage projects.
- Safely stored over 11 million metric tons of CO₂ collectively.
- Successfully established regional teams possessing first-hand experience in conducting CO₂ storage projects.

DOE's Regional Initiatives (2019-2024)

- Four regions spanning the entire U.S.
- Provide technical assistance on regional geologic carbon storage issues.
- Focus on 4 technical aspects of CCUS deployment within their respective regions: (1) Addressing Key Technical Challenges; (2) Facilitating Data Collection, Sharing, and Analysis; (3) Evaluating Regional Infrastructure; and (4) Promoting Regional Technology Transfer.

DOE'S REGIONAL INITIATIVE PROGRAM:

- ✓ Advance efforts undertaken through RCSPs and previous Regional Initiatives.
- ✓ Build on more than 20 years of CCUS experience.
- ✓ Evaluate storage opportunities in oil, saline, and unconventional storage reservoir settings.
- ✓ Work with existing and future demonstration projects within that region.
- ✓ Provide technical and community engagement assistance to developers of specific, well-defined, large-scale storage facilities or regional carbon management (CM) hubs.
- ✓ Participants in the RIs have published more than 300 abstracts, papers and posters related to CCUS deployment and participated in more than 400 presentations and panel sessions around the country conducted over 100 CCUS workshops.
- ✓ Assembling, organizing, and analyzing geologic data as a means of facilitating the development of future large-scale storage facilities or CM hubs within their respective States.

DOE's Regional Initiatives for Technical Assistance for Carbon Management hubs (2024-2026)

- Focus efforts within one or more specific, more narrowly defined geographic storage area (basin) or hubs.
- Technical assistance projects with Public Engagement as a key activity that aligns with the nations' storage resources and communities.
- Inclusion or collaboration with non-governmental organizations (industry and trade, colleges and universities, private research institutions, community-based organizations).



Promote regional technology transfer



Address key technical challenges



Facilitate data collection, sharing, and analysis



Evaluate existing regional infrastructure



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