



**Advanced Resources
International**

Two-day Short Course on Carbon Dioxide Capture and Storage

Advanced Resources International is offering a two-day short course on carbon dioxide capture and storage in underground formations. It is an excellent opportunity to come up to speed with this emerging and strategically important area. Topics are as follows:

Climate Change: the current climate “signal,” progress in climate science, and the implications for markets and policies.

CO₂ Capture: cost and performance information for amine and glycol processes, summaries of emerging CO₂ capture concepts of interest.

CO₂ Storage Theory: CO₂ flow, trapping mechanisms, gaps in understanding, and available reservoir models.

CO₂ Storage Engineering: pipeline transport and distribution requirements; injection well design, construction; and operation, abandonment procedures.

Monitoring Stored CO₂: possible leakage pathways; 3D seismic and other approaches to “seeing” injected CO₂ and detecting leakage; options for arresting a leak should one occur.

Environmental: Regulatory requirements, liability risk, experience with reservoir models at selected CO₂ storage projects.

Current CO₂ Projects Worldwide: information provided on location, reservoir characteristics, CO₂ injection scale, companies and governments involved, economics, and lessons learned.

Project Case Study: walk through site selection, operation design, economic analysis, risk assessment, permitting, construction, injection, post injection monitoring, and abandonment.

ARI has been involved in the design and operation of CO₂ injection projects worldwide and brings to bear a wealth of knowledge and experience. Also, the course is given by a team of professionals with specialized expertise, and the lecture materials provided are meaty and will serve as a useful reference. ARI can host a short course at our offices in Arlington, Houston, or Texas. Alternatively, we can come to your location.

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