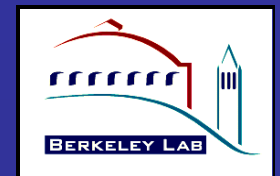


# Facilitating Collaboration in R&D for Geological Storage

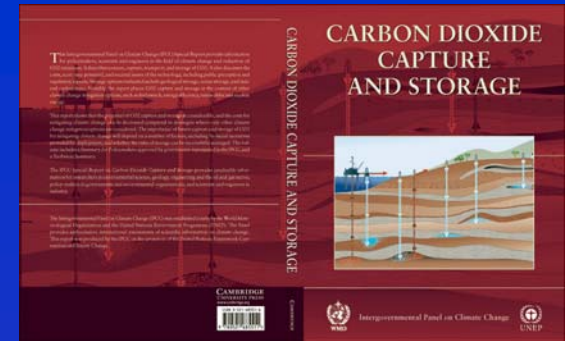
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# IPCC Special Report on CO<sub>2</sub> Capture and Storage: R&D Needs for CO<sub>2</sub> Storage



- Establish methods for selecting storage sites and assessing risks
- Improve understanding of the secondary trapping mechanisms that increase the security of storage over time
- Develop and validate methods for predicting the performance of geologic storage sites
- Validate monitoring methods and develop verification protocols
- Develop effective remediation methods for all potential leakage scenarios
- Establish reliable world-wide capacity estimates
- Improve cost estimates for geological storage based on a track record of experience
- Develop cost-effective regulatory approaches

*Experience in a wide range of geologic settings is the best way to make progress on all of these issues.*

# R&D is Taking Place in Three Parallel Tracks

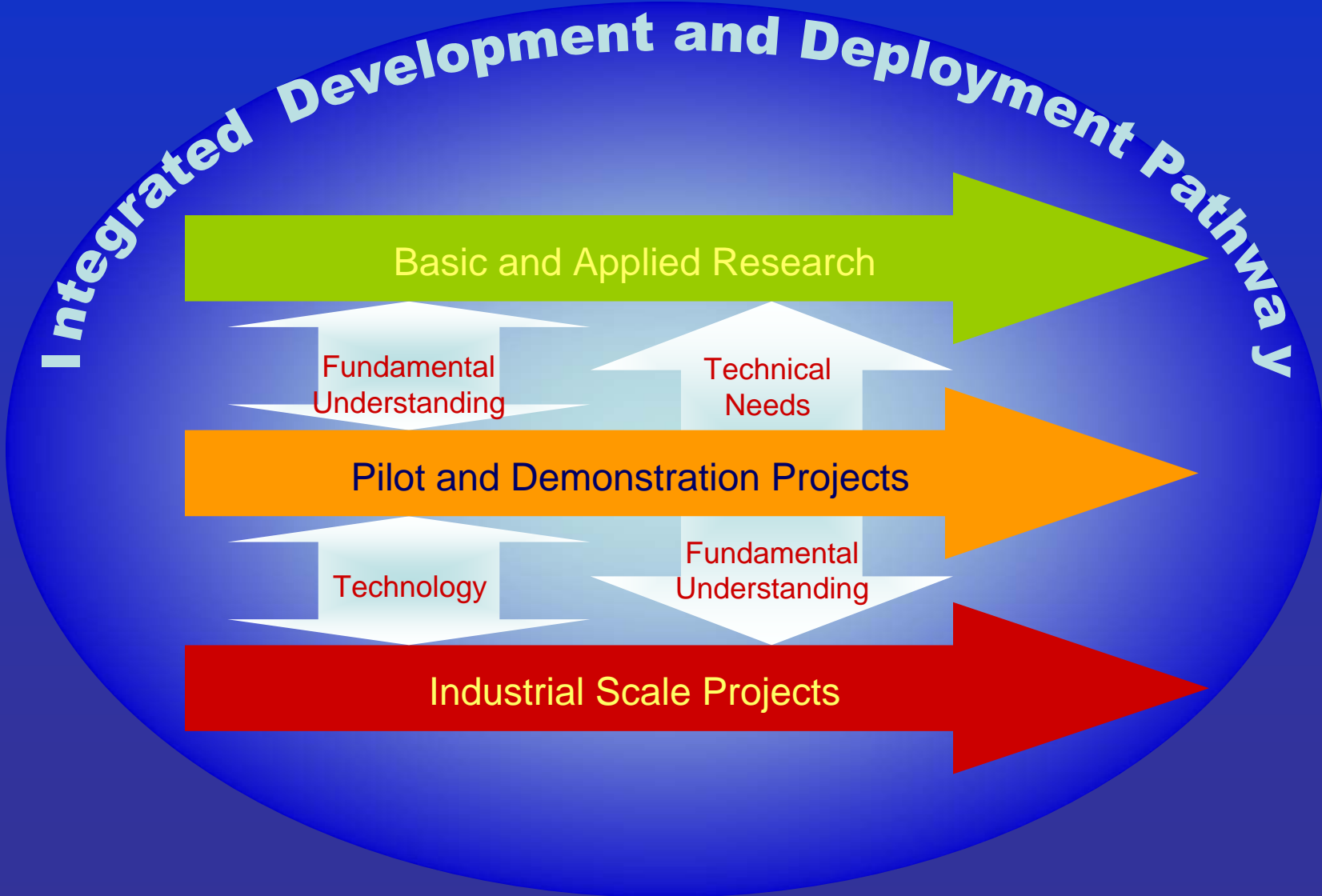


Basic and Applied Research

Pilot and Demonstration Projects

Industrial Scale Projects

# Cooperation and Knowledge Sharing will Greatly Accelerate Learning and Successful Deployment



# Benefits of International Collaboration

- Accelerate pace of learning by shared research programs
- Maximize learning from costly pilot and demonstration projects
- Develop shared approaches for monitoring and verification
- Build capacity around the world



# Actions to Facilitate Collaboration

- Facilitate international participation in pilot and industrial-scale projects
- Establish jointly funded and executed research projects
- Build a data bank of results from pilot test projects
- Establish funding for internship programs for visiting researchers
- Provide support for researchers to participate in international technical CCS conferences