

# WELCOME !!!



## *Regional Carbon Sequestration Partnerships Annual Project Review Meeting*

*December 12-13th, 2007*

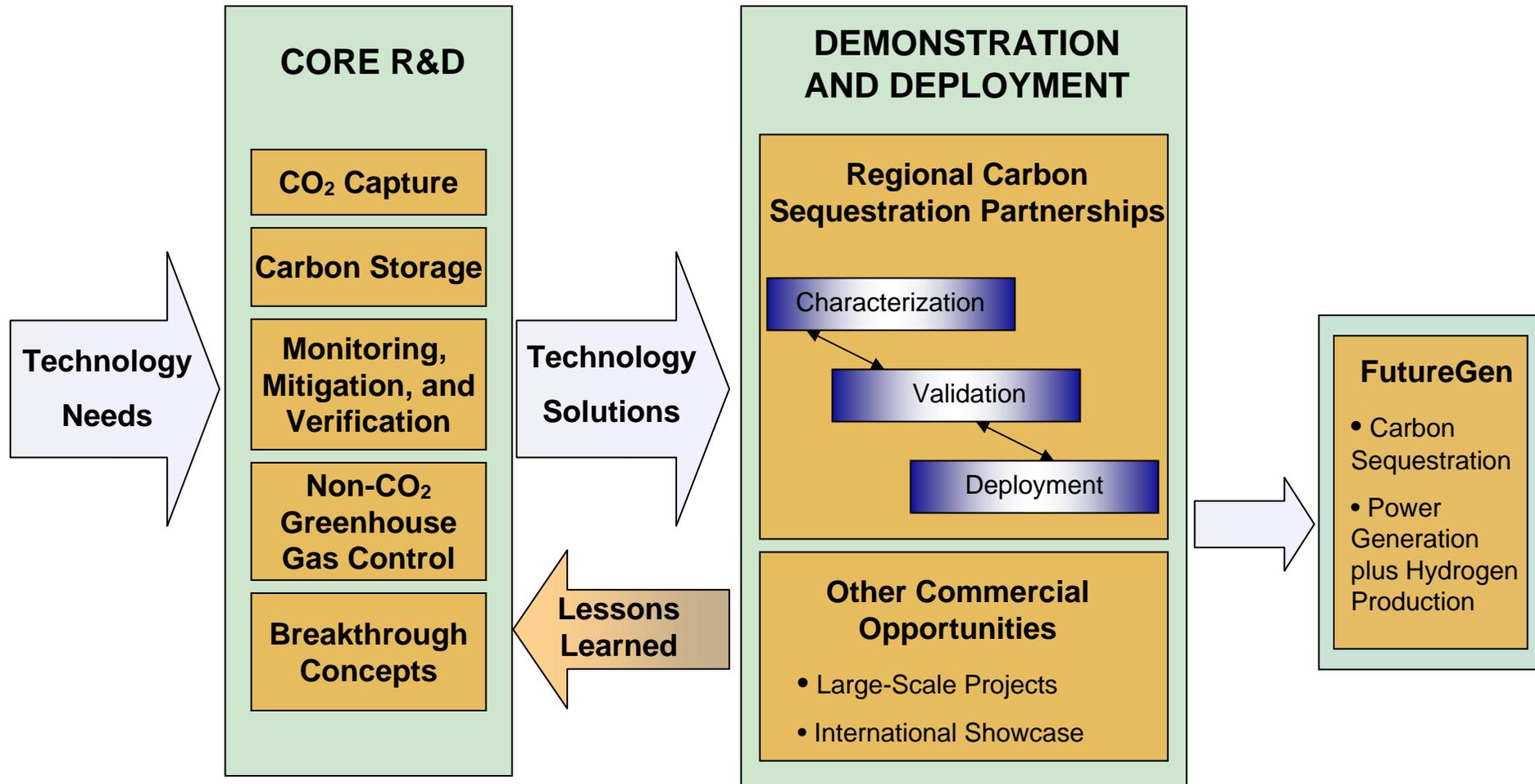
**National Energy Technology Laboratory**



**Office of Fossil Energy**



# DOE's Carbon Sequestration Program



# Regional Carbon Sequestration Partnerships

## Representing:

- >350 Organizations
- 41 States
- 4 Canadian Provinces
- 3 Indian Nations
- 34% cost share

## Characterization Phase (2003-2005)

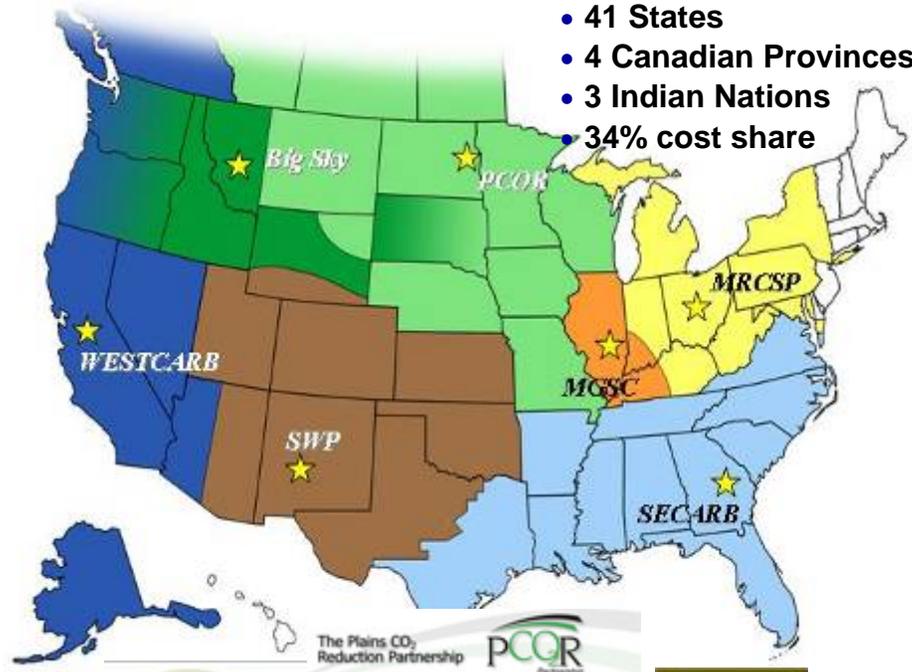
- Characterize regions for most promising CCS opportunities
- \$16M DOE funds

## Validation Phase (2005 - 2009)

- Validate technologies through field testing in geologic and terrestrial sinks
- \$112M DOE funds

## Deployment Phase (2008-2017)

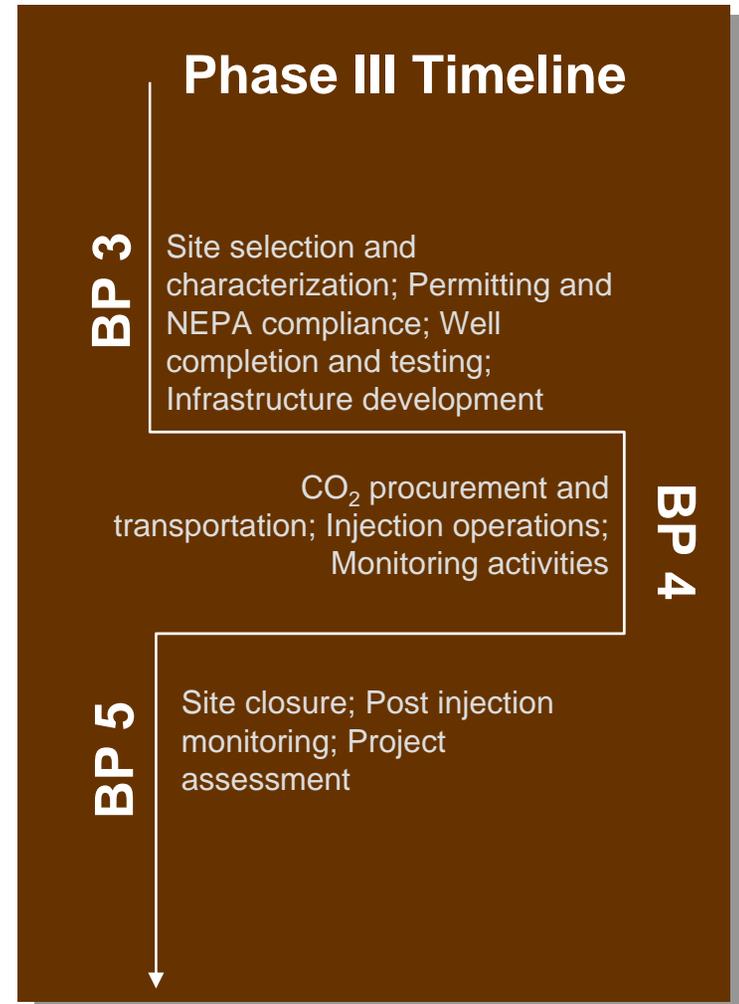
- Large volume deployment tests of sequestration technology
- up to \$470M DOE funds



# Deployment Phase

## *Scaling Up Towards Commercialization*

- **FY 2008-2017 (10 years)**
- **Several Large Volume Sequestration tests in North America**
- **Injection rates from 250,000 to 1,000,000 tons per year for several years**
- **Scale up is required to provide insight into several operational and technical issues in different formations**



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# Summary of the Agenda

- **Carbon Sequestration Atlas Update**
- **Communication Tools for CCS**
- **International CCS Activities**
- **Update from U.S. EPA's CCS Activities**
- **NGO Perspectives on the Partnerships**



# Summary of the Agenda

- **Partnerships Activities Phase III Large Scale Field Projects**
- **Summary of Phase II field project activities**
  - Saline
  - Coal
  - Depleted Oil Field
  - Depleted Gas Field
  - Terrestrial
- **Update on DOE's Carbon Sequestration Program**



# Meeting, Meetings, and More Meetings...

- **CCS meetings are held every week of the year**
- **DOE Annual Carbon Sequestration Conference (May 2008)**
- **Greenhouse Gas Technologies Conference (Nov 2008)**
- **Technical merit reviews (Sept 2007, and ?? 2008)**
- **Annual Project Review Meeting (October 2008 - tentative)**



# Benefits of the RCSP Initiative

- Better understanding of regional opportunities
- Test and refine geologic models
- Measure fate of CO<sub>2</sub>; identify best MMV technologies
- Best management practices to address site selection, well design, operations, monitoring, and closeout
- Engagement of regional stakeholders



# Please...

- Switch cell phones to vibrate or off
- Take side conversations to the hallways
- Ask questions at the end of each presentation, time permitting
- Wear your badges to the reception tonight
- Set up posters between lunch and reception

