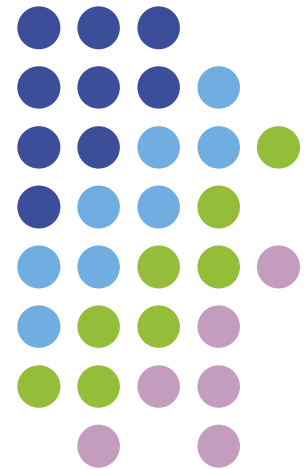


Development and Implementation of the Midwest Geological Sequestration Consortium - Sequestration Technology Transfer Center (MGSC-STTC)

Sallie E. Greenberg
Advanced Energy Technology Initiative
Illinois State Geological Survey
Midwest Geological Sequestration Consortium
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November 18, 2009 • DOE Kickoff Meeting • Pittsburgh, PA





MGSC-STTC Vision

- Technical training
- Academic career path development
- Network of universities
- Training faculty members
- Revenue through grants, fundraising, product sales, course tuition
- Satisfying technical training needs, while creating ways to transfer knowledge in more sustainable long-term setting
- Continuing to foster connections and build communication framework for general outreach, Phase II, and Phase III projects

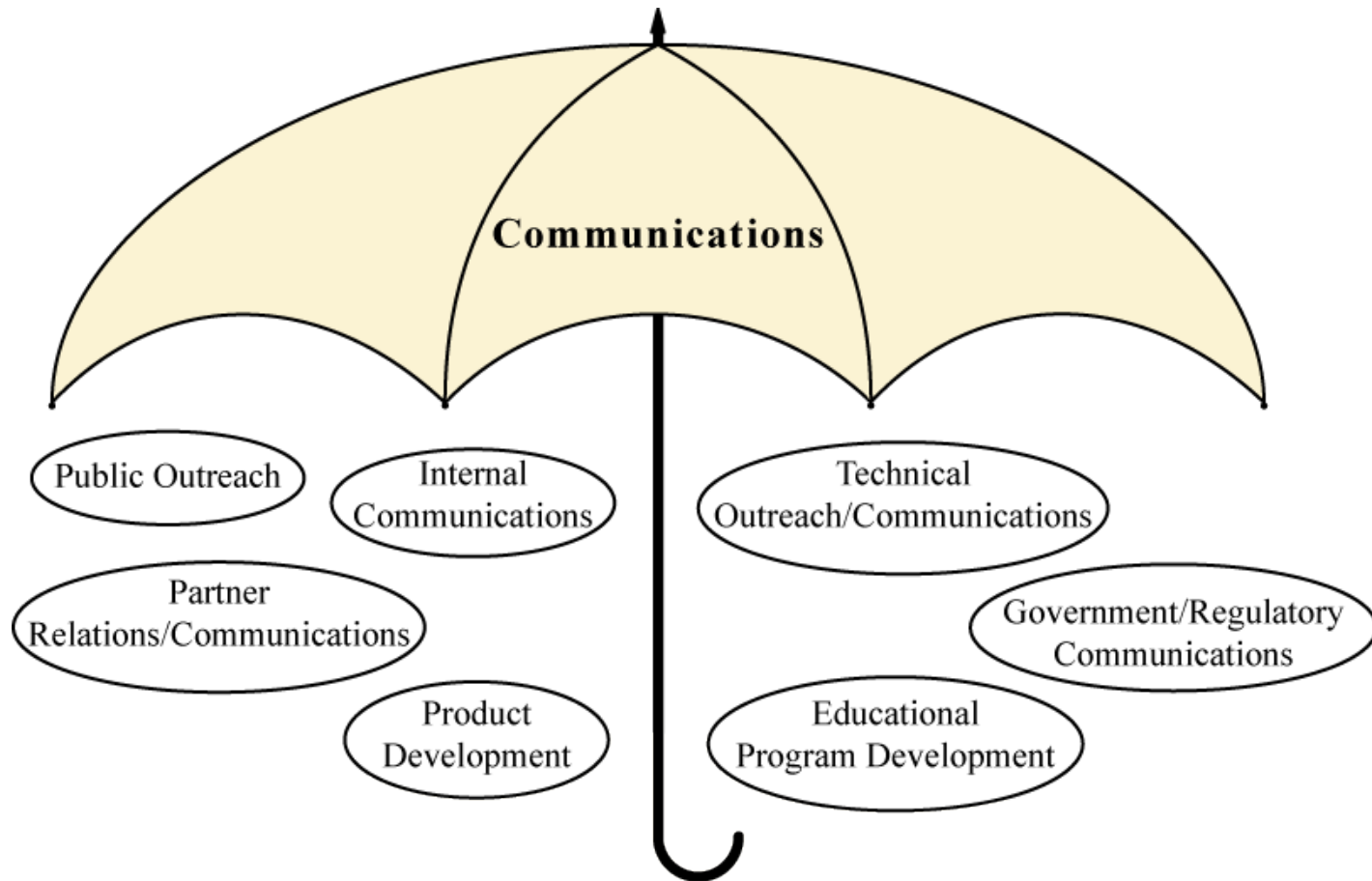




MGSC-STTC Objectives

- Create regional technology training center
- Disseminate CCS technology and information gained through MGSC Phase II and III projects
- Provide education and training opportunities
- Work with State and Regional job development programs
- Partner with professional organizations and regional experts
- Leverage existing opportunities and provide stand-alone training

Building on Strong Foundations: Communications and Outreach Central to MGSC Mission



Current MGSC Activities



- Local, Regional, National, and International
 - Decatur Public Events
 - Indiana CCS Conference
 - AAPG Short Course
 - IEA GHG Summer School
- Providing Information:
 - Invited presentations
 - Technical presentations
 - Model presentations
 - Teacher workshops
- Expanding on Foundations
 - Image database
 - Building video library
 - Brochures, fact sheets, and posters
 - Time-lapse imagery
- Facilitating Communication
 - MGSC Share Point site
 - Dedicated FTP site
- Research Agenda
 - Public perception
 - Public acceptance



Making Connections

Science, Society, and Solutions



- Illinois Basin – Decatur Phase III Demonstration
 - Visitors center on-site
 - Increase opportunities for site visits as move forward
- Geophysical surveys
- Well construction
- Monitoring, verification, and accounting
- Permit preparation
- Communications



Audience

- Engineers
- Geologists
- Regulators
- Executives
- Faculty
- Students
- Service providers





Phase 1 - Development

- Put project management plan into place
- Appoint advisory board
 - Business development model
 - Strategic implementation
 - Oversight
 - Sponsorship program
- Research and develop course topic list
- Create schedule for stand-alone and partner events
- Work with CCS experts to develop course material
- Develop partnerships with professional organizations and other resources
- Create monitoring program
- Establish newsletter, website, and e-mail tech alert system
- Establish response system for technical inquiries



Advisory Board

- Size
 - 12-15 members
- Composition
 - At least two CCS experts
 - At least two MGSC advisory group members
 - Regulatory
 - Special interest group
 - NGO
 - Industry
- Role
 - Act as sounding board for ideas
 - Assist with marketing
 - Assist with sponsorship program
 - Vet business model



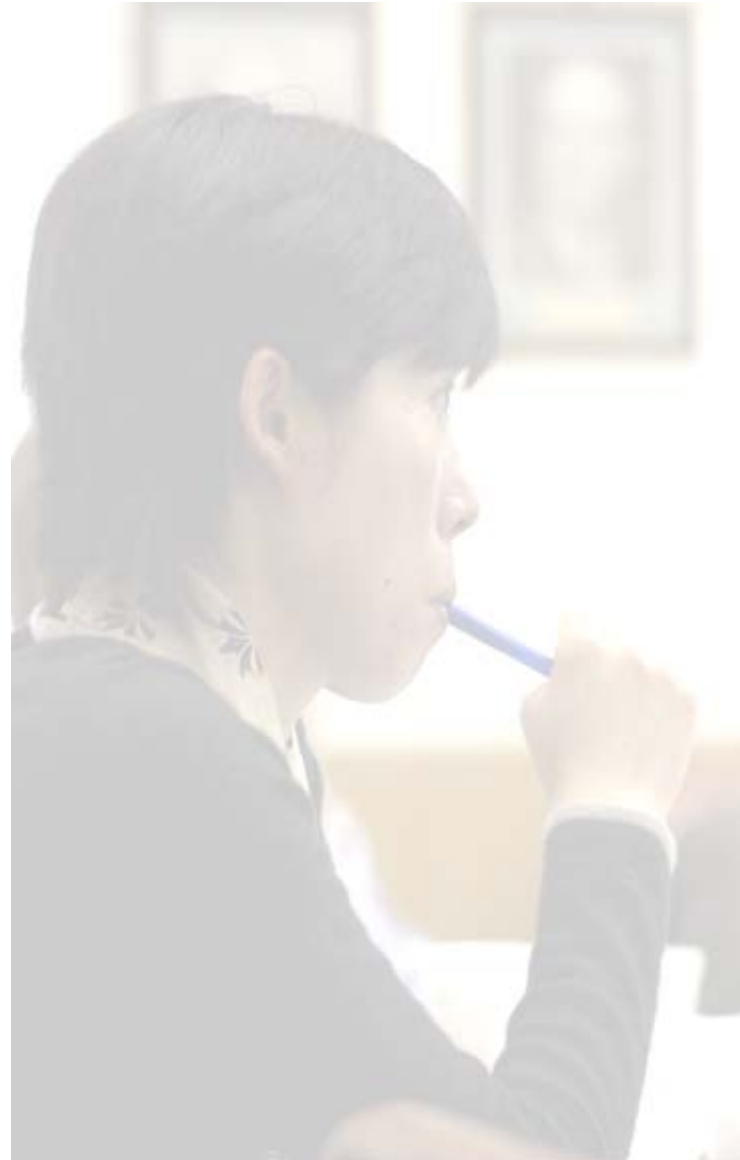
Existing Partnering Opportunities

- Midwest Geological Sequestration Consortium Project Advisory Group
- Illinois State Geological Survey
- Indiana Geological Survey
- Kentucky Geological Survey
- US EPA Region V
- Schlumberger Carbon Services
- University of Illinois
- Regional Community Colleges
- Illinois Department of Commerce and Economic Opportunity
- Regional Carbon Sequestration Partnerships



Market Analysis

- Conduct survey
 - Determine industry need
 - Best use of talent pool
- Consider opportunities
 - Collaboration
 - Piggyback projects
 - Funding
- Product development
 - Determine need
 - Unique offerings





Phase 1 - Milestones

	Nov 2009	Dec 2009	Jan 2010	Feb 2010	Mar 2010	Apr 2010	May 2010	Jun 2010	Jul 2010	Aug 2010	Sep 2010	Oct 2010	Nov 2010
ACTION	Kick Off	Plan Hire AB Invite	AB Meet	MA	MA BMD	BMD	AB Meet	Deploy CD	CD	CD	CD	CD	Event

- AB – advisory board
- BMD – business model
- MA – market analysis
- CD – course development



Phase 2 - Implementation

- Put strategic plan into place
- Stand-alone training series
 - Modular short courses
 - Two one-week events hosted in Champaign, IL
- Sponsor brown bag seminars
- Sponsor lecture series
- Co-sponsor CCS training events
- Host higher-education conference
- Seek opportunities for partnering

Preliminary Product Plan



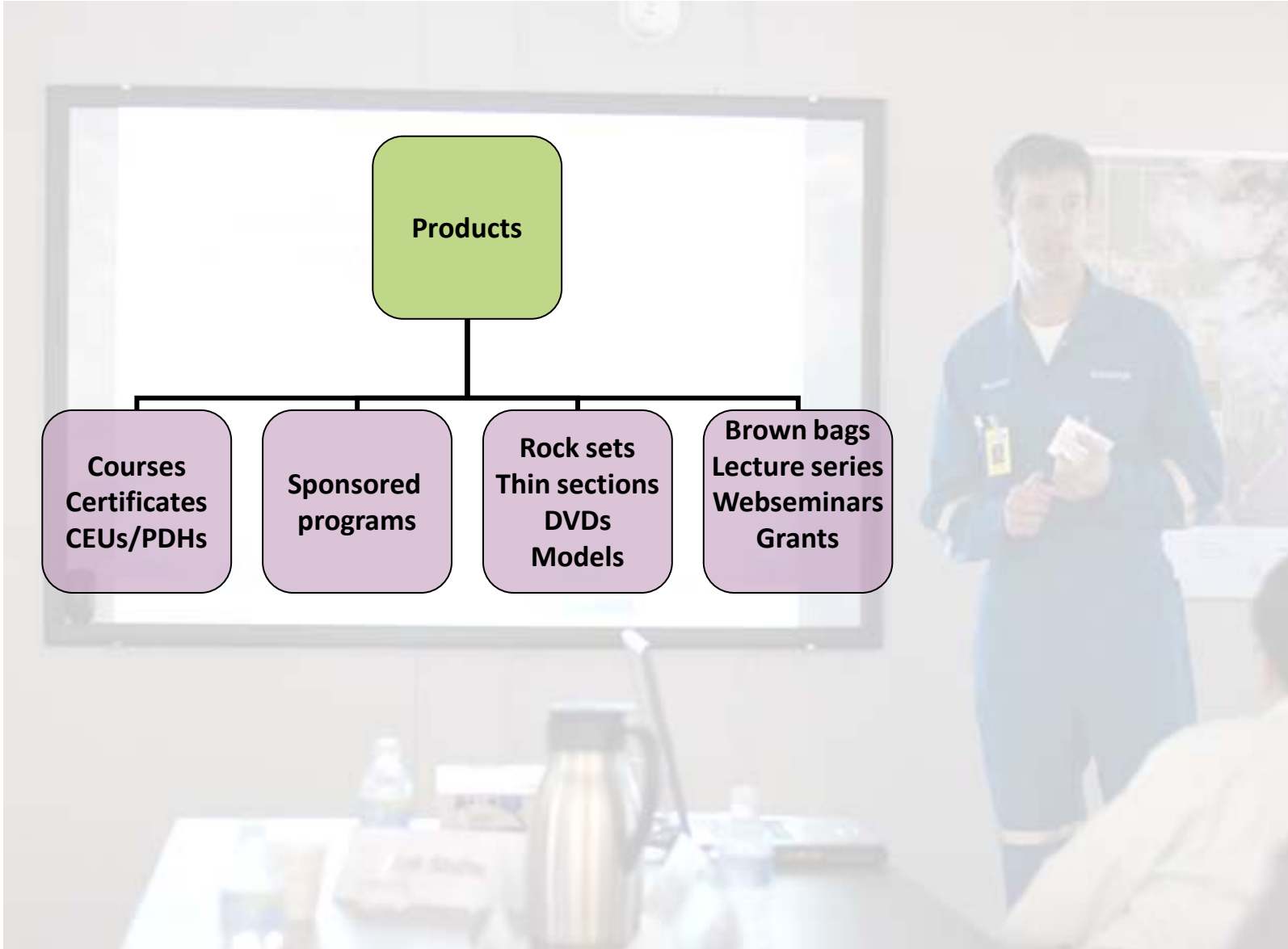
Products

**Courses
Certificates
CEUs/PDHs**

**Sponsored
programs**

**Rock sets
Thin sections
DVDs
Models**

**Brown bags
Lecture series
Webseminars
Grants**



Maximizing Resources and Providing New Perspectives



- Looking for collaboration opportunities
- Facilitate International exchanges and capacity building
- Examine CCS in various regions
- MGSC-STTC Website incorporate into redesign
- Continue to create Video record of Phase II and Phase III projects
- Launch On-line drilling activity
- Facilitate and participate in education programs
- Always open to ideas – please pass them along



Questions ?