



## **Introduction to Capacity Building Workshop Themes**

# **CSLF Technical Group Meeting and 3<sup>rd</sup> CSLF Workshop on Capacity Building for Carbon Capture and Storage**

**Dhahran, Saudi Arabia  
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# Why Select Themes?



- Decision to focus on few selected topics after initial workshops in Pittsburgh and Porto Alegre covered wide range of CCS topics.
- Participants in previous workshops have strongly suggested that attention be devoted to the topics that became the 3<sup>rd</sup> workshop themes.

# Commercial Aspects and Opportunities for Storage of CO<sub>2</sub> in Oil and Gas Reservoirs



**THEME 1**

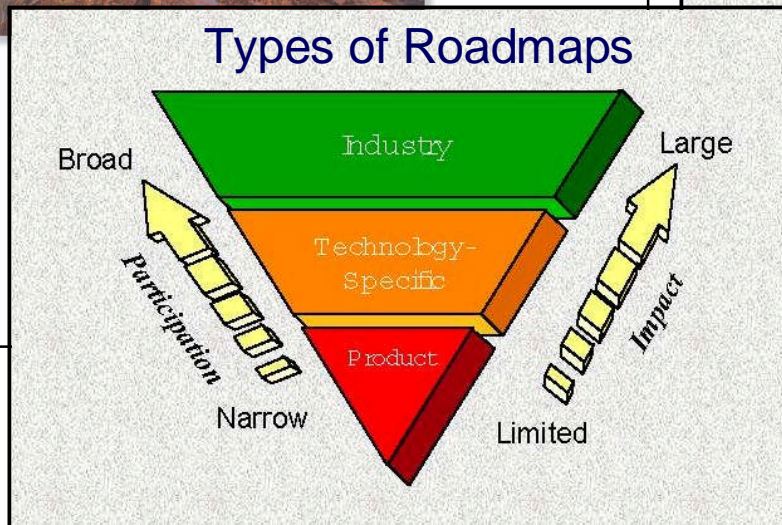
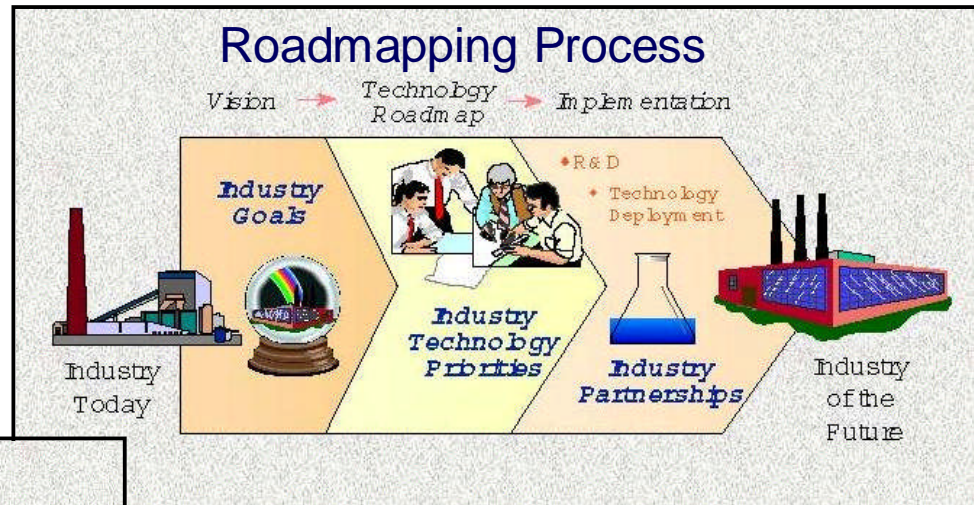
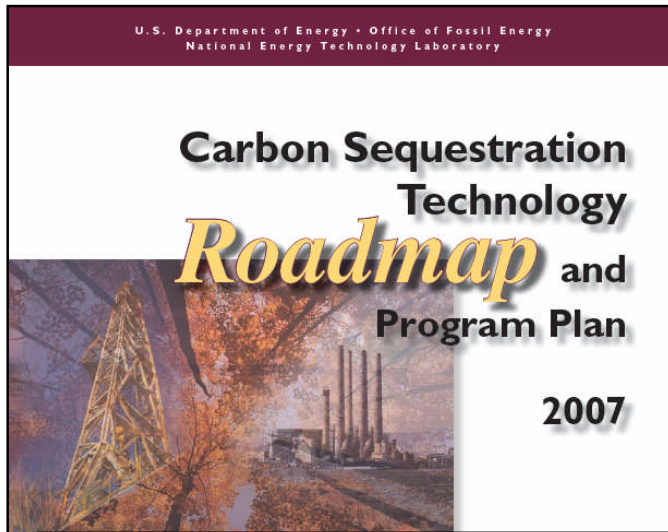
# CCS Capacity Building Workshop – Theme 1



- Need to continue development of EOR resources in light of global oil demands
- Similarly, recovery of natural gas resources has become global issue
- Marriage of oil and gas recovery with CO<sub>2</sub> sequestration brings economic as well as environmental benefits to all involved



# Technical Roadmaps and Their Importance



**THEME 2**

# CCS Capacity Building Workshop – Theme 2



- Technical CCS roadmaps for several developed nations have been prepared and can be shared with emerging economy nations
- Emerging economy nations will benefit from “leapfrogging” to advanced technologies by applying established knowledge bases to their specific conditions

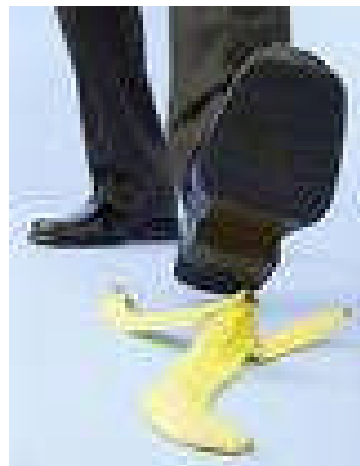
# Issues That Impact CCS



Regulatory



Legal



Risk Assessment

## THEME 3



Public Outreach And Education

# CCS Capacity Building Workshop – Theme 3



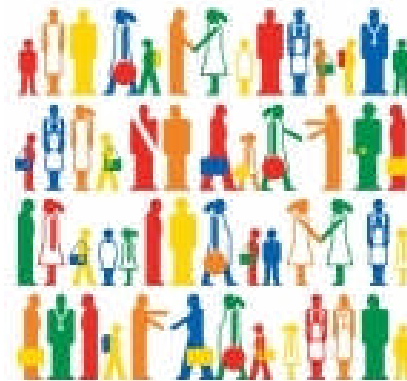
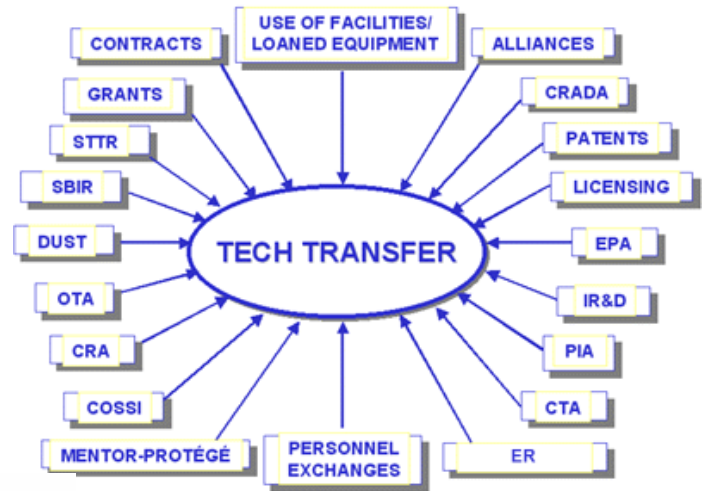
- CCS is breaking new regulatory and legal ground
- Must evaluate risk versus benefit – short, medium, and long range
- Technical capacity building is not enough: political and corporate decision-makers, as well as general public, must be educated on CCS matters



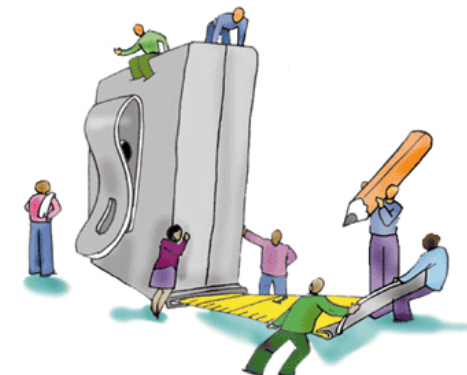
# The Needs of Emerging Economy Countries



Financing



Technical Assistance



Capacity Building

**THEME 4**

# CCS Capacity Building Workshop – Theme 4



- Research efforts require resources that may be beyond capabilities of emerging economies
- Technology transfer and commercialization will be necessary and, for this, cooperation agreements will become critical
- Wide communications among parties are needed to maintain required levels of expertise