



Overview of Technical Group Activities

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Technical Group Meeting, Berlin
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Overview of Technical Group Activities

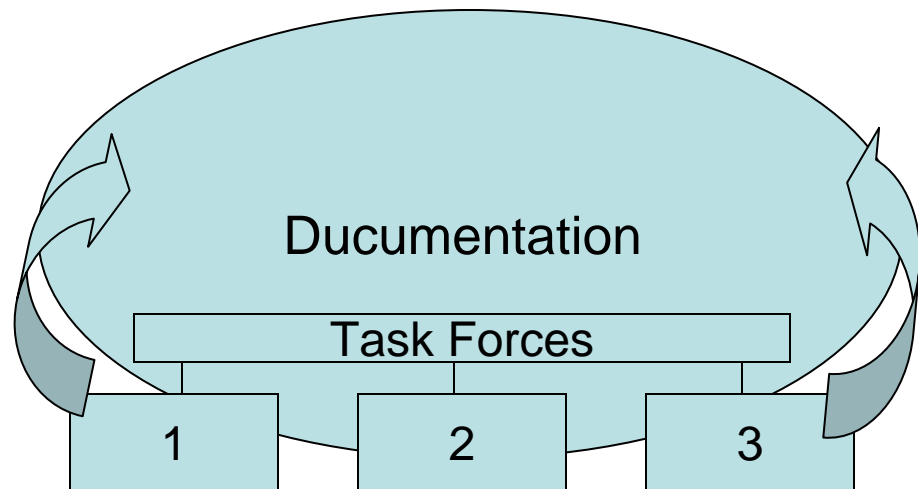
Main points:

- **Focus**
- **Work Processes**
- **Activities**

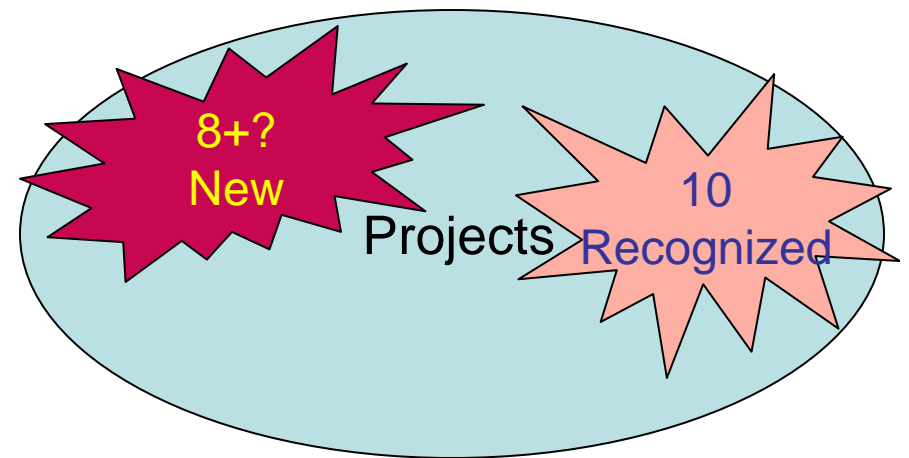


Basic Functionality of TG Work – Overview 1

Functionality 1



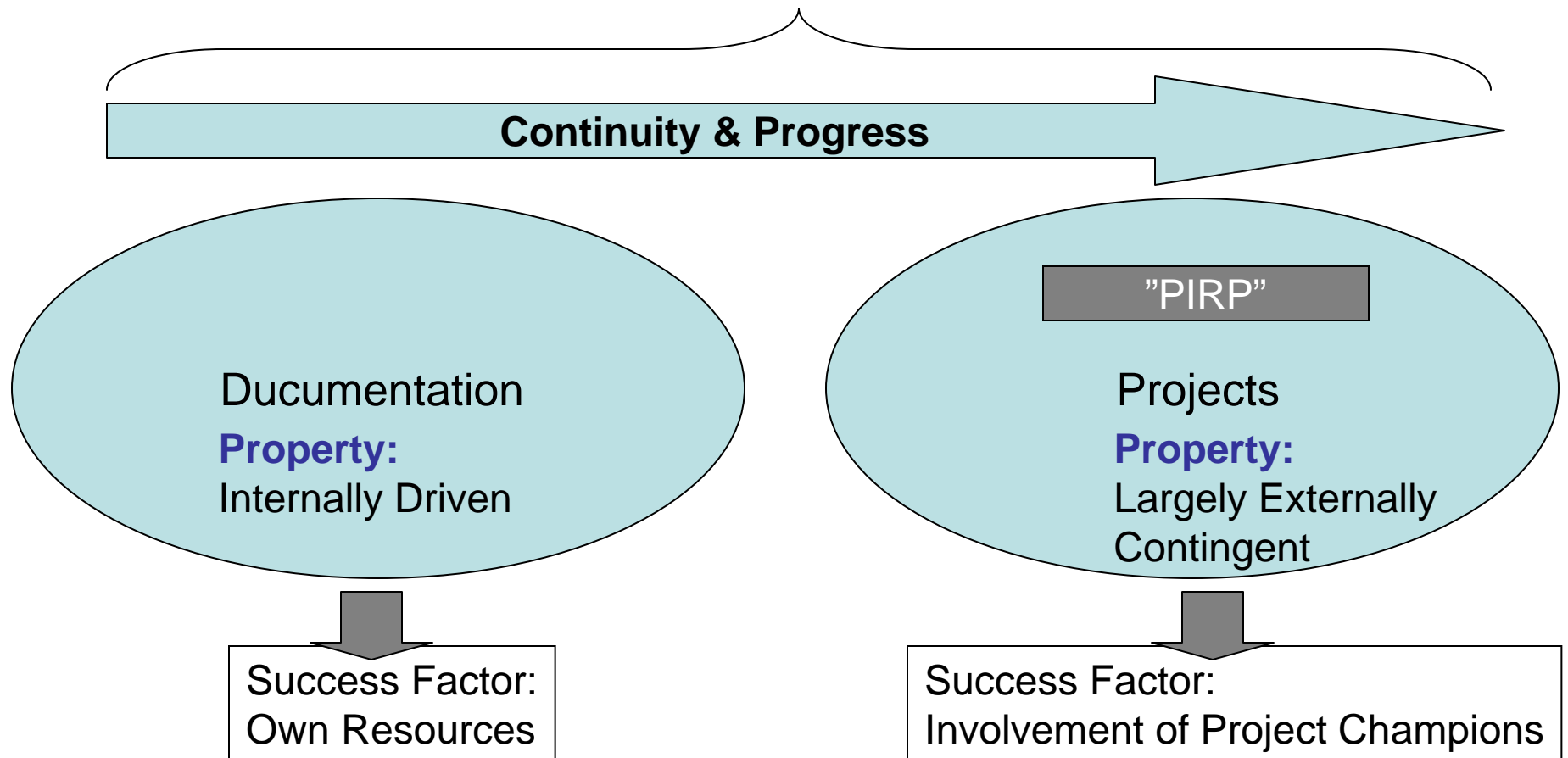
Functionality 2





Basic Functionality of TG Work – Overview 2

Workplan





CO₂ Storage Projects Planned or Underway: Texas 40 mtpa CO₂, all others max ca. 1 mtpa





CSLF Technical Focus

Documentation

- **Identify key obstacles to improve CCS technologies and capabilities (gaps)**
- **Identify potential areas of multilateral collaborations to bridge gaps, including areas of needed research**



TC Activities 2004

- **Embarked on a Technology Roadmap Exercise**
- **Nominated and recommended ten collaborative projects for CSLF recognition**



Technical Group 2005 Work

- **Gaps Analyses & Discussion Papers**
 - CO₂ Capture and Transport
 - Measurement, Monitoring and Verification Technologies
 - Improved Method for Estimating Geologic CO₂ Storage Capacity

- **New Projects for Recognition**



Technical Group 2005 Work

- **Mechanism for Addressing Progress of Projects**
 - Initially Called the “Project Initiation and Review Panel” (PIRP)
 - First Proposed in Australia in 2004, Considered by Technical Group at April 2005 Meeting
 - For decision in Berlin, September 2005



TG Berlin Decisions

- **Finalize Existing Work**
- **Agree on Further Activities**

Thank you

Back up slides



The CSLF Technical Group 2005 April Meeting Results

- **Accepted Two Discussion Papers**
 - **Gaps in Measurement, Monitoring, and Verification**
 - **Improved Method for Estimating Geologic CO₂ Storage Capacity**



The CSLF Technical Group 2005 April Meeting Results

- **Requested Significant Changes to One Discussion Paper**

- **Technology Gaps in CO₂ Capture and Transport**

- **Project Initiation and Review Panel (PIRP)**

- **No Consensus in Oviedo, needed some Changes**



CO₂ Capture and Transport Discussion Paper

- Not accepted at April meeting**
- Many Concerns about Technology Advocacy (i.e. IGCC vs. Oxy-fired Boilers)- the same Concerns were Raised in the Roadmap Approval Process in 2004.**
- Technical Group Comments were Received, and a new Draft has been submitted for Consideration**



MMV Discussion Paper

- **Accepted at April Meeting, with Minor Changes**
- **Some Condensed Comments:**
 - **“Technical Group of CSLF should consider how to communicate the results of this paper to regulators so that they understand how CCS technologies should be monitored in practice”.**
 - **“We should also discuss whether a second phase of this paper should be initiated. Something more like a strategic plan.”**



CO₂ Storage Capacity Measurement Discussion Paper

- Accepted at April Meeting**
- The Ultimate Work Product may Result in a Best Practices Manual**
- This Activity is Unique to the CSLF Technical Group**



One Result of the Technical Group Discussion Papers- an Inventory of Key Gaps and Needs

- Grouped in Three Areas**
- Draft Completed During June 2005**
- A Total of 47 Items**



Example Gaps and Needs from Discussion Papers

- **Measurement, Monitoring, and Verification**
 - **Reduced cost to seismic surveys and the interpretation of the data**
 - **Improved vertical resolution of seismic surveys**



Example Gaps and Needs from Discussion Papers

- **CO₂ Storage Capacity**
 - **Lack of clear and accepted definitions that are meaningful across a range of geoscience disciplines, including geology, reservoir engineering and hydrology**
 - **Establishing reporting practices for storage capacity that are on par with modern practices in the other resource industries**