



Warsaw PIRT Meeting

PIRT Meeting, Al Khobar, Saudi Arabia

Agenda 3



Summary of Action Items

From PIRT Meeting:

| Item | Lead | Action |
|------|--------------|--|
| 1 | PIRT Chair | TRM: Provide recommendation to the Technical Group (TG) <i>(Completed at Oct 7th TG meeting)</i> . |
| 2 | WG | Determine what changes are needed to Gap Identification module of CSLF Technology Roadmap. |
| 3 | PIRT Members | TRM: Develop a schedule to 2011 TRM AGENDA ITEM 10 – this meeting |
| 4 | Secretariat | Send CSLF Project Submission Form and Gaps Analysis Checklist to PIRT members for comment. <i>(Decided WGs to provide comments and updates)</i> . |
| 5 | PIRT Members | Inform Secretariat if they wish to join Working Groups to the Task Force to Assess Progress on Technical Issues Affecting CCS. <i>(At Oct 7th TG meeting Pierre Le Thiez (France), Harry Schreurs (Netherlands), Joseph Giove (United States) added to the Integration WG)</i> |
| 6 | Norway | Report on status of Technical Readiness Assessment for CSLF-recognized projects at next PIRT meeting. |
| 7 | PIRT Chair | Projects: Provide PIRT's recommendation to the TG <i>(Completed at October 7th TG meeting; Gorgon previously approved in Pau, France (March 2010))</i> . |
| 8 | Secretariat | Update the listing of CSLF-recognized projects at the CSLF website to include only the active and completed projects. |
| 9 | Secretariat | Contact sponsor to the CO2 Storage in Limburg Coal and Sandstone Layers Project to confirm the project status. |
| 10 | Secretariat | Inform PIRT members about January 2011 deadline for submitting proposal outlines to IEA GHG. <i>(Information on deadline contained in this meeting summary and Oct 7th TG meeting minutes)</i> |



Summary of Action Items

From Technical Group Meeting:

| Item | Action |
|------|--|
| 1 | Further develop Projects Workshop concept at its next meeting. |
| 2 | Prepare two versions of updated Gaps Analysis Checklists – a “concise” Checklist for the Project Submission Form and a “deeper level of granularity” Checklist that can be used to evaluate projects. Working Groups Chairs are empowered to shorten the “concise” Checklist as necessary. |



Major Outcomes: PIRT

Technology Roadmap

- 2010:
 - Stronger emphasis on CCS integration and demonstration of the complete CCS value chain
 - Stronger differentiation between Demo and R&D
 - Expanded and more detailed milestones
 - Roadmap endorsed and approved by Policy Group
- 2011
 - A focus on improving the TRM
 - Country updates (Module 2)
 - WGs to update Gap Identification (Module 3)



Major Outcomes: PIRT

Technical Issues Affecting CCS (Gaps) and Survey

- Survey results will identify new projects that would address any remaining gaps
- Capture: assess current listing and amend checklist
 - Revised Checklist will be used to assess all CSLF-recognised projects to determine what gaps are being addressed and which are not
- Transport and Infrastructure: five new gaps added and recommend more interaction with CSLF-recognized projects
- Integration: focus on project development issues of integration and develop example project schedules, economic models and project development checklists and challenges
- Storage not reported on due to S. Bachu's flight delayed. Discussion on granularity of checklist.



Major Outcomes

- Status of Technology Readiness Assessment
 - four readiness levels used: laboratory / bench scale, sub-scale pilot, full-scale demonstration, and first-of-a-kind commercial- **AGENDA ITEM 11**
- Review of Projects Nominated for CSLF Recognition: Projects recommended to be approved
 - SECARB Early Test at Cranfield Project
 - CO2 Field Lab Project
 - Quest CCS Project
 - CCS Bełchatów Project
- Withdrawal of the CO2 Storage in Limburg Coal and Sandstone Layers Project
 - lack of funding



Major Outcomes

- **CSLF-Recognized Projects Workshop**
 - project sponsors in support of focused and topic-specific workshops
 - Saudi Arabia to host a one-day CO₂ storage-themed workshop



Summary of Consensus Reached

- The 2010 update to the CSLF Technology Roadmap is approved by the PIRT.
- The following four projects are approved by the PIRT:
 - CCS Bełchatów Project
 - CO2 Field Lab Project
 - Quest CCS Project
 - SECARB Early Test at Cranfield Project
- The Task Force to Assess Progress in Closing the Gaps is now known as the Task Force to Assess Progress on Technical Issues Affecting CCS.