



CSLF Technical Group Project Interaction and Review Team

Status and Next Steps

**Cape Town, South Africa
16th April 2008**

**Chair : Nick Otter
United Kingdom**

PIRT : Membership

as of 12th April 2008



- **A Core Group comprising the Chair and Vice Chairs of the Technical Group and other delegates as designated by the Technical Group.**

Australia

Canada

Denmark

European Commission

Germany

India

Netherlands

Norway

Saudi Arabia

UK

USA

Clinton Foster

Bill Reynen

Flemming Ole Rasmussen

Jeroen Schuppers

Jürgen-Friedrich Hake

Malti Goel

Harry Scheurs

Trude Sundset

Khalid Abuleif

Nick Otter

George Guthrie

- **Co-chairs : **Australia, EC and UK****
- **A Floating Group comprising representatives of CSLF recognized projects with overall management responsibility in the project (e.g. project manager), as well as other subject area experts.**

PIRT : Tasks



- **Assess projects** proposed for recognition by the CSLF
- **Review CSLF project portfolio** and identify synergies, complementarities and gaps, giving input for CSLF Road Map revision.
- **Identify technology gaps** where further RD&D would be required.
- **Foster enhanced international collaboration** for CSLF projects
- **Promote awareness** within the CSLF of new developments in CCS
- **Organize periodic activities** to facilitate exchange of experience and views on issues of common CCS interest

PIRT : Meetings

Chair Role as of 13th April 2008



• Position to date

PIRT#1 : US	April 2006
PIRT#2 : UK	June 2006
PIRT#3 : UK	August 2006
PIRT#4 : Australia	November 2006
PIRT#5 : Australia	March 2007
PIRT#6 : UK	January 2008
PIRT#7 : UK	April 2008

• Future Position

PIRT#8 : UK	Autumn 2008
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Continuing strong support from CSLF Members

PIRT : Current Actions

13th April 2008



- **Technology Roadmap Review and Update**

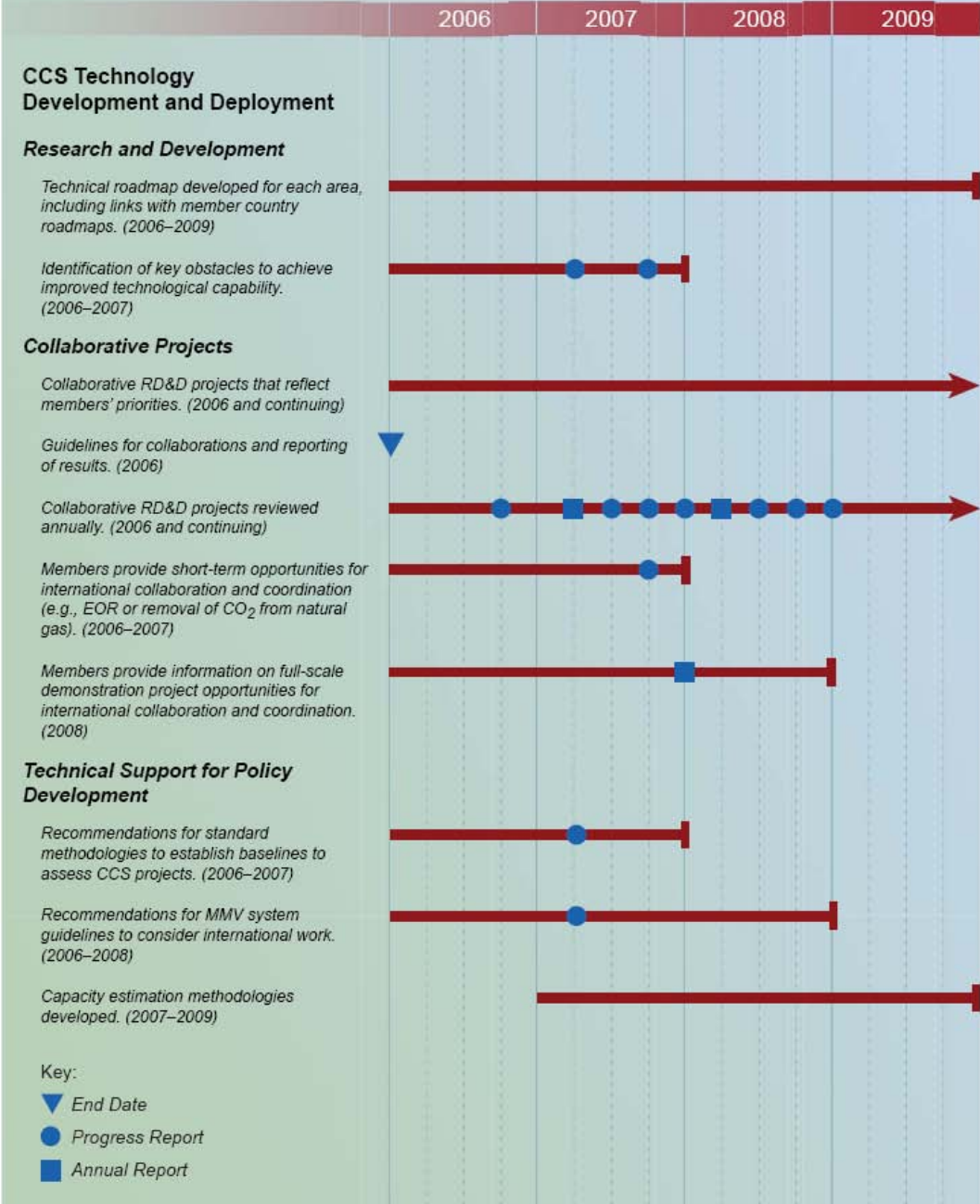
- **CSLF Projects**

- update of project submission form
- project report status
- benefits survey feedback
- areas where new projects would be beneficial
- encouragement for action

- **Technology/Policy Support Actions**

- linkage with IEA GHG R&D Programme
- linkage with European Commission FP7 Programme
- workshops/events : Paris March 2007
 - : Al Khobar January 2008
 - : Cape Town April 2008

CSLF Action Plan Timeline for the Projects Interaction and Review Team (PIRT)



Key:
 ▼ End Date
 ● Progress Report
 ■ Annual Report



Activity 2: TRM Update

Activity 3: Member Road Maps and engagement - Capacity Workshop in Saudi Arabia on 28-29Jan08

Activity 1: Projects Review

Activity 4: Technical/Policy Support – IEA GHG R&D, EC FP7

April 2008

PIRT : CSLF TRM Review

Status



Lead : France/Pierre Le Thiez

Revised Action Plan

Agreed at PIRT#6 in Al Khobar on 25th January 2008

- | | |
|---|---------------------------------------|
| 1. Agree Plan between the PIRT co-leads | 12th September 2007 |
| 2. Issue agreed Plan to PIRT members requesting nominations for a TRM Review Team | 18th September 2007 |
| 3. Finalise Review Team | 30th September 2007 |
| 4. Produce initial analysis of current TRM and review progress at PIRT meeting in Saudi Arabia. | 27th January 2008 |
| <hr/> | |
| 5. Produce update draft of TRM. | 29th February 2008 |
| 6. Issue final draft as papers for PIRT and Technical Group meetings in April 2008. | 31st March 2008 |

Review of status carried out at PIRT#7 on 13th April 2008 in Cape Town

PIRT : CSLF TRM Review

Plan and Timeframe Forward



Lead : France/Pierre Le Thiez

Revised Action Plan

- | | |
|--|------------------------------------|
| 1. Issue initial draft to PIRT | 30 th April 2008 |
| 2. Comments from PIRT | 2 nd June 2008 |
| 3. Revision of draft TRM | 4 th July 2008 |
| 4. Revision of draft TRM | 1 st August 2008 |
| 5. Meeting of PIRT to agree document draft | 15-19 th September 2008 |
| 6. Circulate TRM draft to Technical Group | 30 th September 2008 |
| 7. Comments from Technical Group | 31 st October 2008 |
| 8. Review at Technical Group | ?? November 2008 |

Target : TRM Update draft ready for review in November 2008

PIRT : CSLF Projects

Portfolio



• Current Project Portfolio

19 in total, update contained in CSLF SPIR of January 2008

..... 3 now completed : CASTOR, CO2STORE, China Coal Methane

2004 : 10 Melbourne

2005 : 7 Berlin

2007 : 2 Paris

2008 : 1 Cape Town (recommended by PIRT/TG to PG)

• Proposed Project : DYNAMIS

“Towards Hydrogen production with CO₂ Management”

Sponsored by EC and Norway : Led by Nils Rokke SINTEF/Norway

• Project Reporting

Reports from 16 of 19 CSLF projects, 31st March 2008

PIRT : CSLF Projects

Questionnaire/Recognition Survey



- Quantify benefits of being a CSLF Project agreed at Al Khobar on 25th January 2008
 - Questionnaire prepared by CSLF Secretariat
 - CSLF Projects and Stakeholders approached
 - February to March 2008 timeframe
-
- Limited response to date : 10% stakeholders/20% projects
 - positives : “chance to help shape policy”, “prestige”
 - negatives : “administration burden outweighs benefit”

**Chasing outstanding responses :
output to be used to help encourage more CSLF projects**

PIRT : CSLF Projects

Areas where projects should be encouraged



Issues

- Analysis of current project portfolio?
- Impact of questionnaire and survey?
- How to handle policy/technical interrelations?
- How to use the `gap analysis`?
- How to embrace emerging large CCS demonstration projects?
- Consistency with updated TRM?
- Plan and how to resource it?

PIRT : IEA GHG R&D

Support Action - Status



- Arrangement agreed between CSLF and IEA GHG R&D
October 2007 : “win-win” approach
- Ideas requested in December 2007 for consideration
- Proposed “trail blazer” project :
Storage Capacity Coefficients
to be reviewed at IEA GHG R&D ExCo 21-23th April 2008

Need to identify additional appropriate topics for later action

PIRT : EC FP7 on CCS

Support Action - Proposed Route



- Specific International Co-operation Actions (SICA) in 2008 Energy Theme Work Programme :
‘Capacity Building in Large Emerging Economies’
 - involvement of 2+ EU Member States
 - involvement of 2+ (CSLF Member) large emerging economies
 - benefits of involving other CSLF (developed) Member Countries
 - benefits of involving other stakeholders
- Opportunities
 - 2008 : outline proposals due in 29th February 2008 – pilot action
 - Global Atlas of Storage
 - Modeling of Storage in Aquifers
 - 2009 : topics likely to include storage safety as a focus

Need to identify appropriate topics and interest for proposal

PIRT :

Planning and Co-ordination



- Improved visibility of forward actions
 - at least 3 years forward, preferably the next 5 years
 - working with others demands being compliant with their time frames and processes
 - EC FP7 next call : late 2008 with submission of Spring 2009
 - : assessment early Summer 2009
 - : contract late 2009/early 2010
 - ❖ **need to know what we would like to be doing in 2 years time**
- Interaction of PIRT with other Task Forces
 - better understanding and co-ordination of actions
 - consistency with updated TRM
- Activities need to be compliant with future CSLF Strategic Plan

PIRT : Some thoughts on future

Opportunities



- CSLF a good well established vehicle : increase role and action
- take advantage of possible synergies : requires planning and visibility of activity not only in CSLF but also elsewhere in world
- very timely to review CSLF Strategic Plan for the next 5 years : set the clear direction for the future and clarity of actions required
- opportunity to align and build on G8/IEA/CSLF recommendations



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