Carbon Sequestration leadership forum
www.cslforum.org

CSLF PIRT Meeting

Christopher Consoli

Rome, Italy

16-19 April 2013

CSLF PIRT Meeting: Rome 2013

Summary outcomes from Perth PIRT Meeting

Christopher Consoli

Rome, Italy

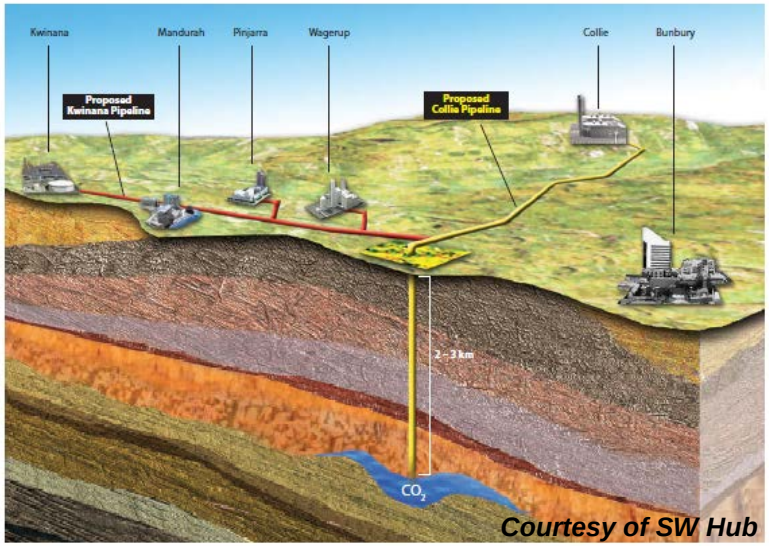
16-19 April 2013

Agenda 3

PIRT Meeting Perth, Australia

Summary of Consensus Reached

- Two Projects approved
  - South West CO_2 Geosequestration Hub Project
    - Western Australia
  - CarbonNet Project
    - Victoria, Australia



Courtesy of SW Hub

Figure 2 – A conceptual diagram of the South West Hub.

PIRT Meeting Perth, Australia

Summary of Consensus Reached

- PIRT recommends that the Technical Group adopt the simplified Gaps Checklist
- CSLF “Projects” website with interactive map now live

CSLF PIRT Meeting: Rome 2013

Review of CSLF Project Submission Form

Christopher Consoli

Rome, Italy

16-19 April 2013

Agenda 6

Review of Submission Form (1)

Submission Form purpose

- General information about Project
- Categorization of Project
- ***Decision making for PIRT recommendation to TG***

Background: relatively unchanged since 2006

- Level of details variable from 4-22 pages + Larger documents due to checklist
- **Updated Project Submission Checklist**
  - adopted Perth 2012

Review of Submission Form (2)

Recommendation of the PIRT Bergen,

- Simplify form
- Utilize information provided

Proposed Project Submission Form

- CSLF focus on large-scale CCUS Projects
- Information must be relevant to all stakeholders
- Several legacy categories
- Remove duplication

Proposed Submission Form (1)

New Checklist

- Categorization
  - Building a matrix for projects and CCS technologies
  - 33 categories
- Simplified but effective
  - Designates a Project's identity and their focus
  - Easily utilized by PIRT, Task Forces and Working Groups

Aim: good level of granularity allow dissemination of data to all stakeholders

Proposed Submission Form (2)

Project Elements

The project sponsor is currently being requested to check all that apply from a list of possible project features, many of them redundant with items in the Gaps Analysis Checklist.

- **Suggest that this section be eliminated.**

Please check all that apply.

- Pre-combustion CO_2 Capture ____
- Post-combustion CO_2 Capture ____
- Oxyfuel Combustion ____
- CO_2 Capture by Other Means (please describe):
- CO_2 Transport ____
- CO_2 Storage with Enhanced Oil Recovery ____
- CO_2 Storage with Enhanced Coal Bed Methane Recovery ____
- CO_2 Storage with Enhanced Natural Gas Recovery ____
- CO_2 Storage with No Resource Recovery ____
- CO_2 Measurement, Monitoring, and Verification of Storage (MMV) ____
- Identification of Potential CO_2 Storage Sites ____
- Identification of Target CO_2 Sources ____
- Economic Evaluation ____
- Environmental Evaluation ____
- Risk Assessment (HSE) ____
- Risk Assessment (Financial) ____
- Other (please describe):

Proposed Submission Form (3)

Information Availability

The project sponsor is currently being requested to:

"Please also provide information about the relevance of the project to the overall aims of the CSLF and to carbon capture and storage technology in general."

- Suggest that this sentence be eliminated.

Proposed Submission Form (4)

Information Availability

- The project sponsor is currently being requested to provide answers to three questions pertaining to information availability from the project.
  - Suggest that these three questions be revised.

Please also provide answers to the following questions:
Is the project management willing to share non-proprietary project information with other CSLF Members? _____
Will the expected information from the project be sufficient to allow others to make informed estimates of the technology's potential technical performance, costs, and benefits for any future applications? _____
Will English-language project summaries be available for posting at the CSLF website?

_____

(Please also provide details on how, and how often, these summaries and other project information will be made available.)

Proposed Submission Form (5)

Relevance to CSLF Gaps Analysis

- Suggest that this section be eliminated

Project Nominators

- Suggest that this section be revised
  - Add *"Email notification to the CSLF Secretariat (cslfsecretariat@hq.doe.gov) is an acceptable alternative to a signature."*

Proposed Submission Form (6)

CSLF Gaps Analysis Checklist

Items in the Gaps Analysis Checklist are not gaps.

- Suggest that this be re-titled as “CSLF Project Elements Checklist”.

CSLF PIRT Meeting: Rome 2013

Discussion of Knowledge-Sharing from CSLF-Recognized Projects

Christopher Consoli

Rome, Italy

16-19 April 2013

Agenda 7

Knowledge-Sharing

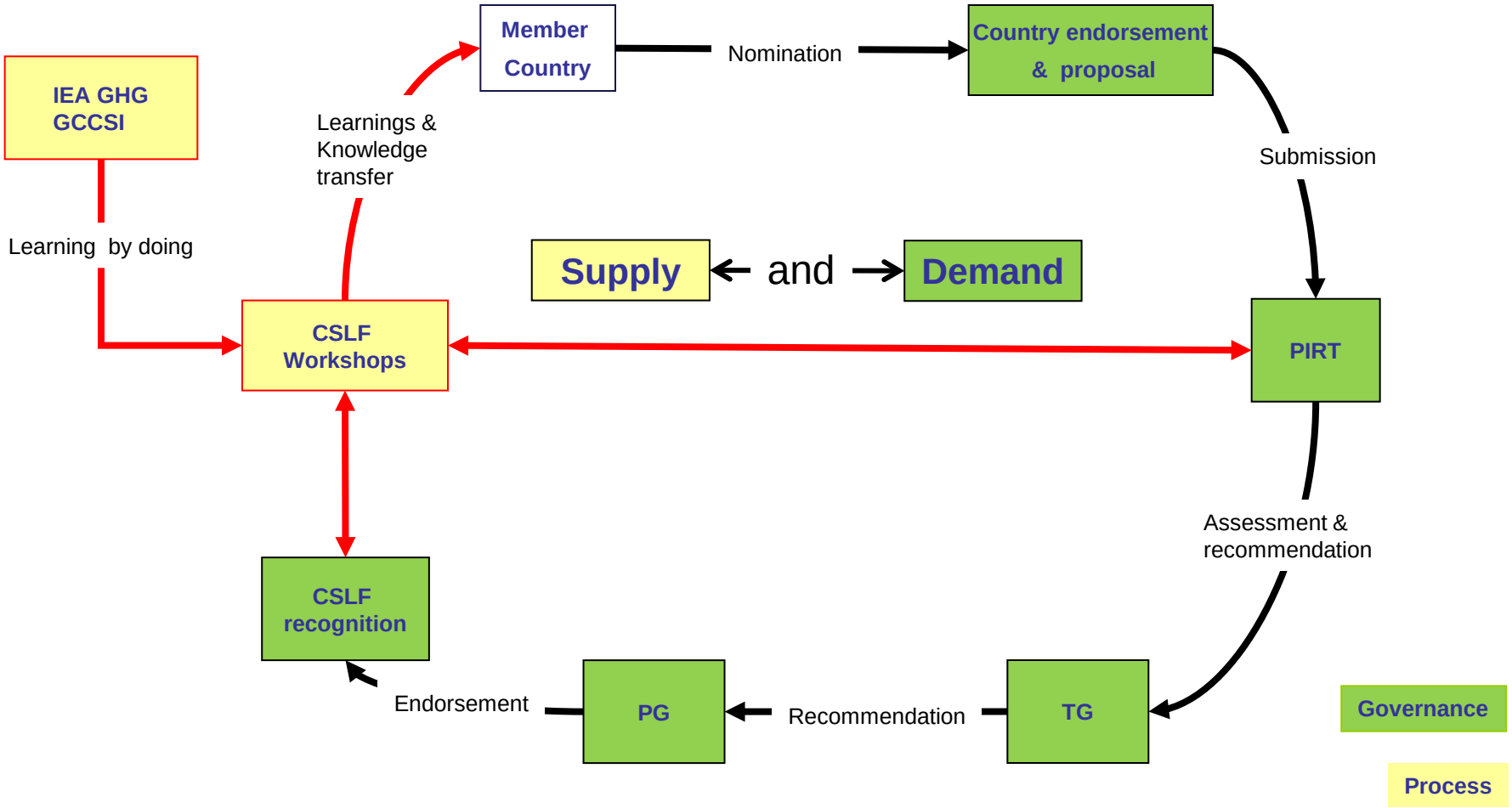
PIRT Mandate

- Appropriate mechanisms for the recognition, assessment and **dissemination of projects and their results** (Terms of Reference)

- **Workshops**
  - Important process in the knowledge sharing cycle
  - Regular feature of CSLF meetings

Could we do this better?

Knowledge-Sharing: Workshops



Adopted: CSLF PIRT Meeting, 03 March 2011, Al Khobar, Saudi Arabia

Knowledge-Sharing: Knowledge Hub (2)

- **Knowledge hub**
  - Website-co-branded, single platform
  - Co-operation with GCCSI approved (Beijing, 2011)

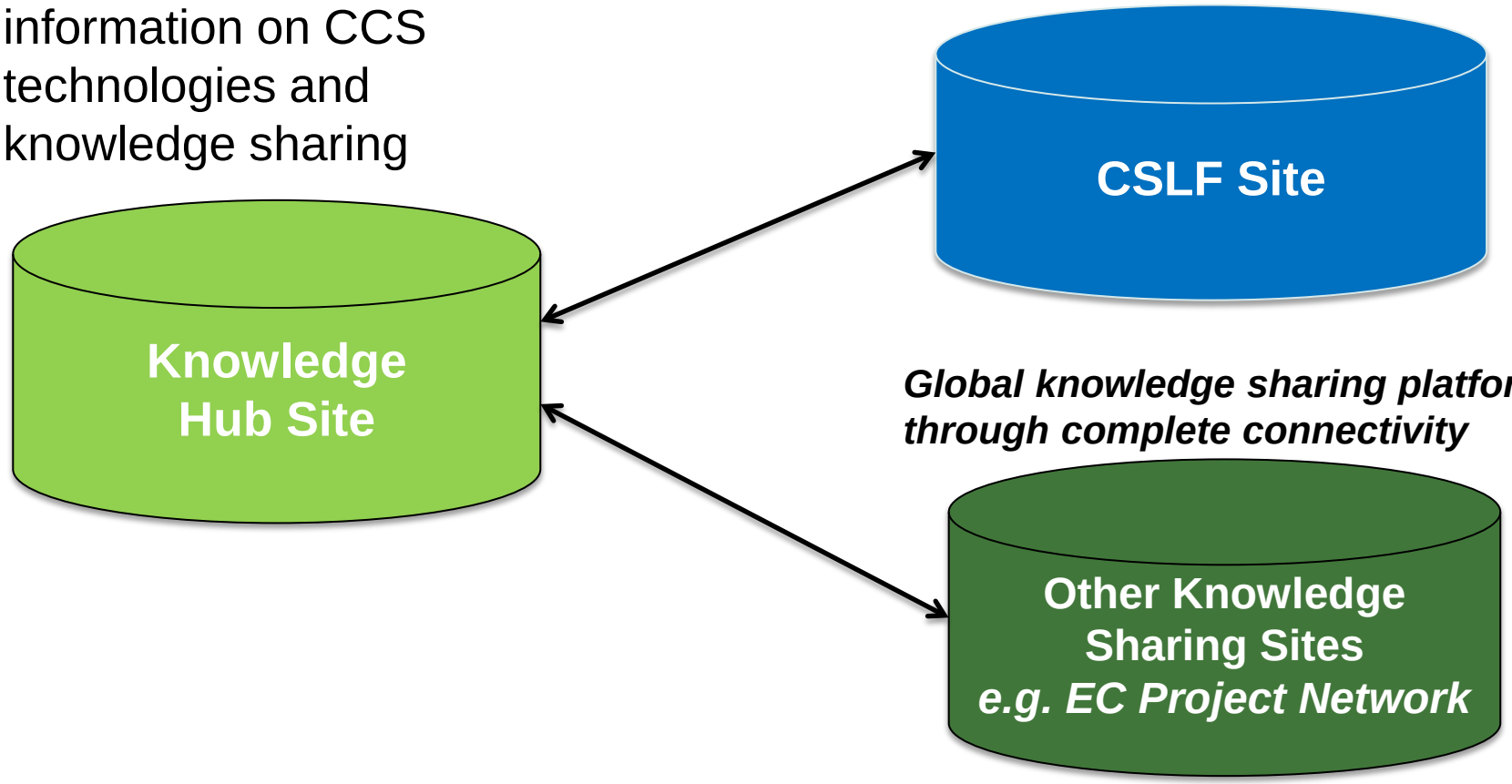
Knowledge Hub = Knowledge Transfer

- The Global CCS Institute has offered to assist the CSLF in its online knowledge sharing approach
- For the CSLF, this will:
  - Improve our ability to disseminate information
  - Link our information into the Institute's knowledge hub
  - Improve our web presence
  - Reduce our operational costs and risks
- The Institute will **not require any fees** for this assistance as it sees it as core to its mission of knowledge sharing

Knowledge Hub- Architecture

A distinct visual identity for the CSLF, integrated to the hub

The “go to place” for information on CCS technologies and knowledge sharing



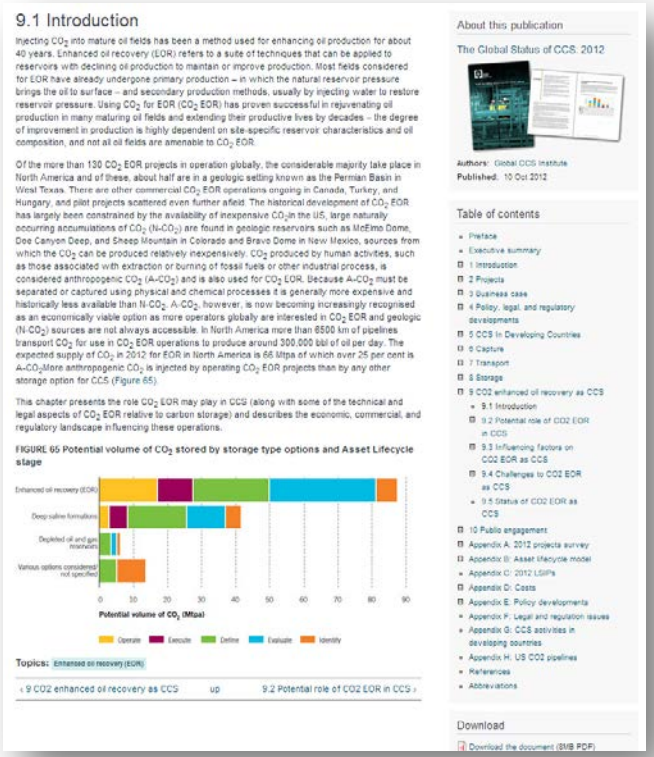
Global knowledge sharing platform through complete connectivity

GLOBAL CCS INSTITUTE

Carbon Sequestration Leadership Forum
www.cslforum.org

Knowledge Hub- Dissemination

Content converted to web-ready formats



CSLF projects clearly identified

Reports can be translated to multiple languages

Translations

- Summary report in Chinese (全球碳捕集与封存现状 - 总结报告：2012)
- Summary report in Japanese (世界のCCSの動向：2012年)
- Summary report in Korean (요약 보고서 –세계 CCS 동향: 2012)

Topics: Demonstration Projects | Capture | Storage | Transport

Knowledge Hub- Project Interaction

CSLF-members only platform

- A model to be able to share individual “insights” for CSLF member countries and Projects
- Linking to an online handbook for Project updates
- An private discussion forum for members of CSLF working groups
- Classification of CSLF content to improve information find-ability

Knowledge Hub- Next Steps

1. Agreement from the PIRT to go forward with this model
2. GCCSI to provide a high level web design for approval
3. Further thinking required regarding the list CSLF project data (map view) as the Institute follows a different approach in relation to:
   - Data capture from projects
   - Criteria for project listing
   - Data quality
   - Listing of completed / cancelled projects
4. Classification of “key content” to be prioritized for translation / conversion into other formats
5. Migration of content to the new platform

Carbon Sequestration leadership forum
www.cslforum.org

CSLF PIRT Meeting: Rome 2013

Future Roles for PIRT in Technical Group Action Plan and Discussion of PIRT Terms of Reference

Christopher Consoli

Rome, Italy

16-19 April 2013

Agenda 8

PIRT Terms of Reference

Current Document

- Last revised in March 2010

Review

- Good governance
- Strengthen Terms of Reference

New Terms of Reference

- Potential for revision if required

PIRT Terms of Reference: Background

1. Help CSLF achieve its goals
2. Gaps and priorities identified in the CSLF Technology Roadmap
   - Fourth TRM upcoming
3. Appropriate mechanisms for the recognition, assessment and dissemination of projects and their results

PIRT Terms of Reference: Members

- A core group comprising Members of the Technical Group, or as nominated by a CSLF Member country
  - Recommendations should be reached by consensus of a core group
- An ad-hoc group of Stakeholders comprising representatives from CSLF recognized projects

PIRT Terms of Reference: Functions

1. Assess and recommend Projects to TG
2. Identify new Projects
3. Framework for periodically reporting on Projects
4. Review CSLF Project portfolio
   - Identify synergies, complementarities, and gaps
5. Revisions of TRM
6. Foster collaboration for Projects
7. Organize periodic events to facilitate the exchange of experience and views

Future Roles for PIRT: Vision

1. Collection and collation of the best data available
2. Dissemination of this data as widely as possible

Knowledge transfer (ToR)

Accelerate deployment of CCS (CSLF)

Future Roles for PIRT

- CSLF Member Country Reports (Edmonton, 2011)
  - Need a new platform for reporting
- Workshops
  - Modify ToR to reflect importance of workshops
  - Need Workshop Technical report
- CCS Knowledge Hub
  - Single platform for knowledge transfer
  - Project interaction

Australian Government
Geoscience Australia

Christopher Consoli

Acting PIRT Chair (Australia)

Phone: +61 2 6249 5813 Fax: +61 2 6249 9999
Email: Chris.Consoli@ga.gov.au Web: www.ga.gov.au
Cnr Jerrabomberra Avenue and Hindmarsh Drive Symonston ACT
GPO Box 378 Canberra ACT 2601 Australia

Applying geoscience to Australia's most important challenges