



CSLF PIRT Meeting

Update of CSLF Project Submission Form

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Bergen, Norway

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Agenda 8



Submission Form

- Submission Form purpose
 - General information about Project
 - Categorisation of Project
 - ***Decision making for PIRT recommendation to TG***
- History
 - Relatively unchanged since adoption (2006)
 - Level of details variable from 4-22 pages +
 - Larger documents due to checklist



Submission Form: Current (Beijing)

<p>CSLF Gaps Analysis Checklist (Please check all items that apply to your project and check all sub-items.) CAPTURE/STORAGE/USE</p> <p>Pre-Development/Design</p> <p>Development/Construction</p> <p>Operation</p> <p>Decommissioning</p>	<p>CSLF Gaps Analysis Checklist (Please check all items that apply to your project and check all sub-items.) CAPTURE/STORAGE/USE</p> <p>Technical Application</p> <p>Engineering and Design for CCS</p> <p>Construction Management</p> <p>Operational Management</p> <p>Decommissioning</p>	<p>CSLF Gaps Analysis Checklist (Please check all items that apply to your project and check all sub-items.) STORAGE/STORAGE/USE</p> <p>Pre-Development/Design</p> <p>Development/Construction</p> <p>Operation</p> <p>Decommissioning</p> <p>Public Outreach</p>	<p>CSLF Gaps Analysis Checklist (Please check all items that apply to your project and check all sub-items.) STORAGE/STORAGE/USE</p> <p>Pre-Development/Design</p> <p>Development/Construction</p> <p>Operation</p> <p>Decommissioning</p> <p>Public Outreach</p>
<p>CSLF Gaps Analysis Checklist (Please check all items that apply to your project and check all sub-items.) LEO-RETO-REPO</p> <p>Pre-Development/Design</p> <p>Development/Construction</p> <p>Operation</p> <p>Decommissioning</p>	<p>CSLF Gaps Analysis Checklist (Please check all items that apply to your project and check all sub-items.) LEO-RETO-REPO</p> <p>Pre-Development/Design</p> <p>Development/Construction</p> <p>Operation</p> <p>Decommissioning</p>	<p>CSLF Gaps Analysis Checklist (Please check all items that apply to your project and check all sub-items.) TEAR/DUST</p> <p>Pre-Development/Design</p> <p>Development/Construction</p> <p>Operation</p> <p>Decommissioning</p>	

- 119 categories
- High granularity



Microsoft Word Document



Submission Form: Proposed

- Proposed simplified checklist for Project Submission Form
 - Focus on Categorisation
 - 33 categories
 - General to detailed



Microsoft Word Document

GENERAL	
Project Scale	
Feasibility	
R&D	
Pilot	
Demonstration	
Commercial	
CAPTURE TECHNOLOGIES	
Capture Type	
Pre-combustion capture	
Post-combustion capture	
Oxyfuel combustion	
Industrial applications	
Technology	
Advance the capture technology	
Advance plant design for capture efficiency (e.g. boiler, turbine design)	
Improved fuel handling and air separation processes technology	
Improved combustion and flue gas science	
Advance purification and compression technology	
Polygeneration optimization	
STORAGE TECHNOLOGIES	
Storage Complex Type	
Saline formations	
Unconventional reservoirs (e.g. basalt, shale)	
Unmineable coal formations	
EOR and/or EGR	
Storage complex characterization	
CO ₂ -water-rock (or coal) interactions	
Impact of the quality of CO ₂ on storage	
Improved modelling of complex	
Effects of depth, pressure and stress and CO ₂ -rock/water interactions on permeability, injectivity, migration, trapping and capacity	
Pressure management (e.g. production of formation water)	
Monitoring the storage complex including risk assessment	
Development of new or improved CO ₂ monitoring technologies	
Improve baseline monitoring and distinguish between natural and anthropogenic CO ₂	
Development of risk minimization/mitigation methods and strategies, including leakage	
Improve well integrity, well abandonment practices, and/or remediation of existing wells	
TRANSPORT	
General	
Tanker Transport	
Pipeline Transport	
Ship transport	
Specifications for impurities from various processes	
Regulations, standards and safety protocols, including response and remediation	



Recommendation of TF

- Simplify the Project Submission Form
 - Do not have highly granular gaps analysis checklist
 - Current information is not being utilised
 - Not monitored, albeit on an *ad hoc* basis through CSLF reporting

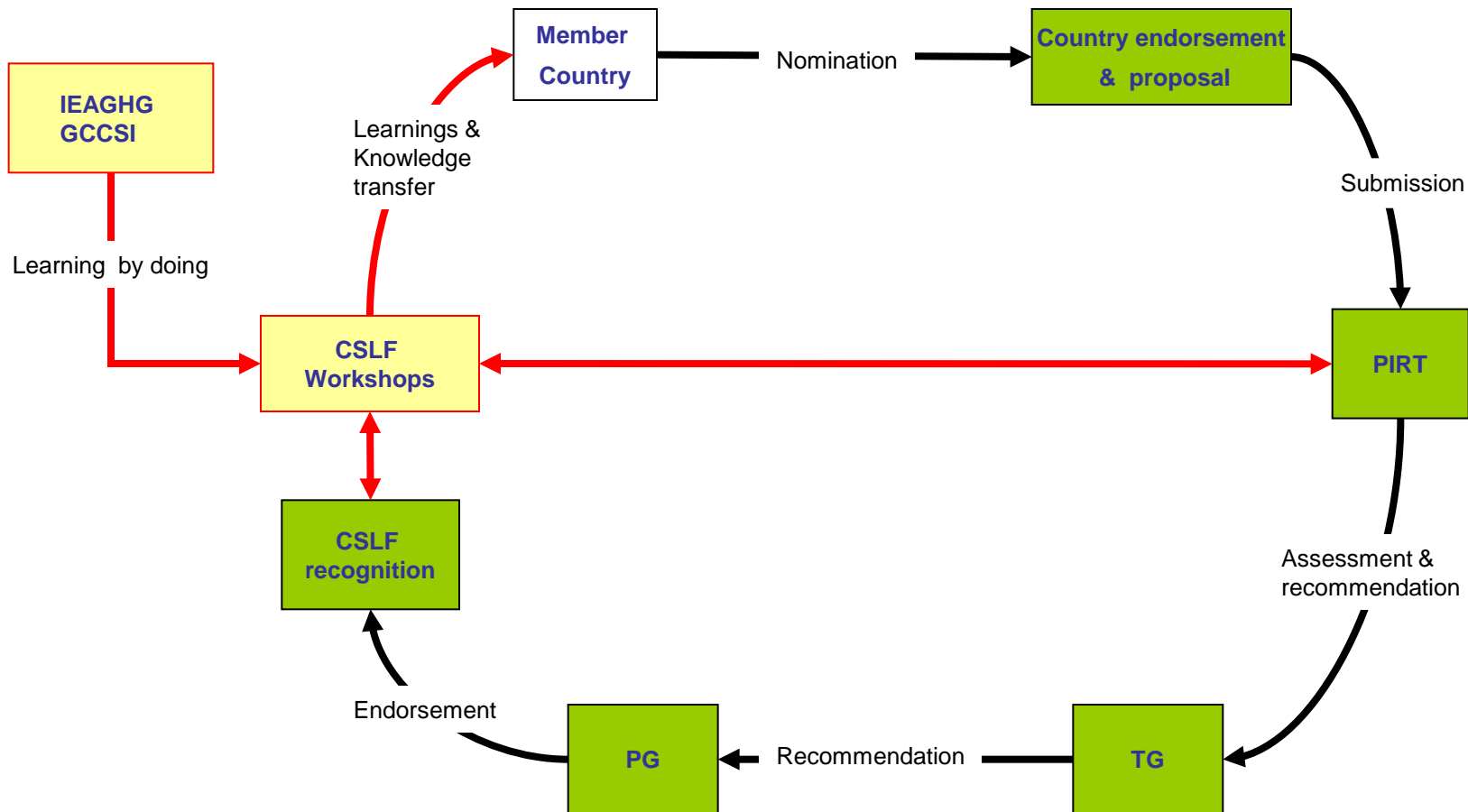


Future

- **Priority:**
 - **Decision making for PIRT recommendation to TG**
 - **Rapidly Categorise a project**
 - Disseminate data for decision-making
 - **Role of New TG TFs**



New Process: Member Engagement and Communication



Governance

Process