



ETN Global October Workshop

"Driving sustainable pathways forward"
08-10 October 2024, Stuttgart, Germany

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Agenda of the Meeting

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1. Results of 2024 & Learnings from Day 1
2. Activities for 2025 (What, How, Why)
3. Thematic Presentation
4. Q&A

Results of 2024 & Learnings from Day 1

Results of 2024

Summary

2024 Activity	Status and current results achieved
CCS Master Thesis from POLIMI	- Completed in April 2024 and presented yesterday at the ETN October Workshop (09.10.2024).
CCS webinar series	- First episode with BAF in June 2024. Second episode currently under organisation.

Learnings from Day 1

Key take-aways

No major topics touched upon CCS during Day 1. However, some topics were mentioned under the challenge “*Are existing power plants capable to provide the flexibility needed to ensure grid resilience and supply security?*”

1. ETN shall investigate CCGT with flexibility with CCS.
2. Chemistry control.
3. CCS as a gap solution till the deployment of alternative fuels.
4. Lack of urgency for CCS in some countries (Germany as an example), sometime due to political latency.

Activities for 2025

What, How, Why

Activities for 2025

What, How, Why

Problem statement	Proposed activities
Need to define the most optimal CO ₂ transportation method related to CCS-GT	<ul style="list-style-type: none"> ▪ Report to be produced by CCS-GT taskforce
Deliver learning opportunities for wider industry and Energy Transition stakeholders	<ul style="list-style-type: none"> ▪ Continue the webinar series
Identify the economic tipping point, in terms of asset output, between H2-GTs and CCS-GTs	<ul style="list-style-type: none"> ▪ Addressed via a Master's Thesis
Develop and regularly review a capture technology database (including amine types and effectiveness, membrane systems, solid sorbets etc.), considering TRL, cost, and efficiency	<ul style="list-style-type: none"> ▪ Collective work to develop a database of technologies and their respective efficacies ▪ Update to be carried out as part of a minor student research project
CCS Designers	<ul style="list-style-type: none"> ▪ Any proposed activity?

Q&A



Audience Q&A

① Start presenting to display the audience questions on this slide.



What are the main hurdles you see in procuring/supplying a CCS/CCUS system for your gas turbines?

① Start presenting to display the poll results on this slide.



How can governments support the deployment of CCS technology for your company?

① Start presenting to display the poll results on this slide.



Thank you for your attention



10:10 - 10:30: Coffee break

Elysée foyer