

Decisions / Actions
European Technology Platform on “Zero Emission Fossil Fuel Power Plants”
(ETP ZEP)
8th Meeting of the ETP ZEP Taskforce on Technology (TTech)

Final Agenda

Date and time: 4th November 2008 from 10:00 to 16:00 hrs

Venue: Mercure Hotel Berlin an der Charité
Invalidenstrasse 38
10118 Berlin Mitte

1	Welcome	IP
2	Approving the Agenda	DP
3	News from ZEP, mainly on design of EU CCS demo programme	IP
4	The cost of technology – designing a cost estimation process	DP
5	R&D recommendations update and long-term R&D plan	DP
6	Interaction with the Government Group	IP
7	CCS projects – cooperation with public website	DP
8	Discussion of future TTech activities	DP
9	Any other Business, next meeting	DP

IP: Information Point; DP: Decision Point

I Decisions List of the 8th ETP ZEP TTech Meeting

No	Decisions
4.1	To assess the cost of technology, 3 working groups will be established, i.e.: 1 WG Cost of capture technology 2 WG Cost of transport technology 3 WG Cost of storage technology
5.1	For next EU call, the R&D recommendations will not be updated as essentially all is still valid.
5.2	TTech will periodically make an inventory of the FP7 CCS projects won by its stakeholders as one measure for the impact of the related work.
5.3	To assess the long-term R&D needs and draw up corresponding plans, 2 working groups will be established, i.e.: 1 WG Long-term R&D plan for capture technology 2 WG Long-term R&D plan for storage and transport technology Either working group will both cover 2020 and 2035; the former is to be considered as a subset of the latter.
6	The TTech co-leads are charged to interact with the Government Group on basis of the compiled lists of national R&D programmes and Demo/pilot projects.
7	TTech will start a cooperation with the Scottish Centre for Carbon Storage, notably providing input to its overview of CCS projects on http://www.geos.ed.ac.uk/sccs/storage/storageSites.html
9	The 9 th meeting of TTech is scheduled for Wednesday 14 January 2009 (back-up date Tuesday 13 January) at Stuttgart (DE). The meeting will be dedicated completely to laying the foundation for the long-term R&D plan.

II Action List of the 8th ETP ZEP TTech Meeting

No	Actions	Action on
4	To enquire with all TTech members 1) potential membership, and 2) nominees for Cost of technology estimation WG leads. < end of Nov08	Secretariat/Hans Modder
5.1	All TTech members to verify the assumed validity and send any comments on missing aspects by e-mail to overall update coordinator Clas Ekström.	TTech members
5.2	To enquire with all TTech members 1) potential membership, and 2) nominees for Long-term R&D plan WG leads. < end of Nov08	Secretariat/Hans Modder
6	To facilitate a TTech interaction with the Government Group, based on the demoplant-activity and R&D programme lists. ASAP	Secretariat/Hans Modder
9.1	To investigate the two meeting date options for TTech9, i.e. 14Jan09 and 13Jan09, finalise and communicate date selected.	TTech co-leads
9.2	To investigate facilitation of a workshop-like approach for TTech9 to maximise thinking out-of-the-box.	Secretariat/Hans Modder

III Decisions and Actions by Agenda Item

1. Welcome

The meeting was opened at 10:15 by its co-lead Niels Peter Christensen. Co-leads Lars Strömberg and Dirk Goldschmidt sent apologies.

2. Agenda

With the extension of point 5 to also cover the long-term R&D plan, the agenda was approved.

3. News from ZEP, mainly on design of EU CCS demo programme

The current status of the McKinsey study to develop a rationale for the demo programme, i.e. the Flagship Programme was presented.

4. The cost of technology – designing a cost estimation process

Decision4.1: To assess the cost of technology, 3 working groups will be established, i.e.:

- 1 WG Cost of capture technology
- 2 WG Cost of transport technology
- 3 WG Cost of storage technology

Action4: Secretariat/Hans Modder to enquire with all TTech members 1) potential membership, and 2) nominees for WG leads (cf. Annex II for first round @TTech8).
< end of Nov08

5. R&D recommendations update and long-term R&D plan

Decision5.1: For next EU call, the R&D recommendations will not be updated as essentially all is still valid.

Action5.1: All TTech members to verify the assumed validity and send any comments on missing aspects by e-mail to overall update coordinator Clas Ekström.

Decision5.2: TTech will periodically make an inventory of the FP7 CCS projects won by its stakeholders as one measure for the impact of the related work.

Decision5.3: To assess the long-term R&D needs and draw up corresponding plans, 2 working groups will be established, i.e.:

- 1 WG Long-term R&D plan for capture technology
- 2 WG Long-term R&D plan for storage and transport technology

Either working group will both cover 2020 and 2035; the former is to be considered as a subset of the latter.

Action5.2: Secretariat/Hans Modder to enquire with all TTech members 1) potential membership, and 2) nominees for WG leads (cf. Annex II for first round @TTech8).
< end of Nov08

6. Interacting with the Government Group

Decisions6: The TTech co-leads are charged to interact with the Government Group on basis of the compiled lists of national R&D programmes and Demo/pilot projects.

Action6: Secretariat/Hans Modder to set-up the TTech-GG interaction.
ASAP

7. CCS projects – cooperation with public website

Decision7: TTech will start a cooperation with the Scottish Centre for Carbon Storage, notably providing input to its overview of CCS projects on <http://www.geos.ed.ac.uk/sccs/storage/storageSites.html>

8. Discussion of future TTech activities

It was more or less concluded that with the activities targeting cost estimation, long-term R&D plan and the R&D gap (with the Government Group), for now and the near future TTech is pretty much occupied.

9. Any Other Business / Next meeting

Decision9: The 9th meeting of TTech is scheduled for Wednesday 14 January 2009 (back-up date Tuesday 13 January) at Stuttgart (DE). The meeting will be dedicated completely to laying the foundation for the long-term R&D plan.

Action9.1: TTech co-leads to investigate meeting date options, finalise and communicate date selected.

Action9.2: Secretariat / Hans Modder to investigate facilitation of a workshop-like approach for TTech9 to maximise thinking out-of-the-box.

Adjourn 15:50

Hans Modder, ETP ZEP Secretariat

7 November 2008

ANNEX I

Participants in the 8th ETP ZEP TTech Meeting

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ANNEX II

Preliminary Working Group population / lead nominees

Overall working group coordination

- ❖ Vattenfall

Re: Cost of Technology

WG Cost of capture technology

Provisional members:

- ❖ Alstom
- ❖ Fortum
- ❖ Ciuden
- ❖ Hitachi

Lead nominees:

- ❖ Power company

WG Cost of transport technology

Provisional members:

- ❖ StatoilHydro

Lead nominees:

- ❖ Transport operator: Gasunie (NL)

WG Cost of storage technology

Provisional members:

- ❖ StatoilHydro/Tore Torp
- ❖ Shell
- ❖ Schlumberger

Lead nominees:

Re: Long-term R&D plan

WG Long-term R&D plan for capture technology

Provisional members:

- ❖ DLR/Manfred Aigner
- ❖ Uni Stuttgart/Günter Scheffknecht

Lead nominees:

WG Long-term R&D plan for storage and transport technology

Provisional members:

- ❖ Uni La Sapienza/Salvatore Lombardi
- ❖ Shell/Martin Jagger

Lead nominees: