



Minutes

European Technology Platform on “Zero Emission Fossil Fuel Power Plants” (ZEP)

15th Meeting of the ZEP Government Group (GG)

Final Agenda

Date and time: 18th June 2009 from 10:30 to 16:00hrs

Venue: Bellona / ZEP Office

Rue du Trône 61, Brussels

1	Opening - Welcome, New GG members (if appropriate) & agenda	Chair
2	Adoption of the minutes of last GG meeting - GG meeting #14, 11 March 2009, Brussels	DEL / SEC
3	Positions of selected governments - Country presentations DK, PL	EB, AS
4	Developments since last meeting ETP ZEP activities - AC, CG: knowledge sharing exercise, .. - TF: relevant outcomes EC activities - DG RTD: SET Plan, .. - DG ENV: 300 mio EUAs allocation, .. - DG TREN: EEPR, demo coordination by DNV and GCCSI, .. Related activities - International bodies: coordination of strategic activities, roadmapping etc with IEA, CSLF, GCCSI - FENCO-ERA, 3rd countries,	CG / AC, GG-TF VK, EC, SEC, .. TR
5	Discussion of common national issues - Implementation of storage directive: NER non paper - Government approach to CCS implementation: NL case	DEL AG
6	Public Communication - Central activities by ZEP	ED
7	General GG actions for the coming period - Future objectives of the GG: discussion	RH DEL
8	Next Meeting	DEL

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9	Wrap up - Summary of actions, AOB	Chair / DEL
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**Chair: Chair person, DEL: Delegates, SEC: ETP ZEP Secretariat, EC: EC representative(s), AG: Annemarieke Grinwis, AS: Andrzej Siemaszko, EB: Eric Björklund, ED: Eric Drosin, RH: Ruth Hampton, TR: Trygve Riis, VK: Vassilios Kougionas
(GA General Assembly, AC Advisory Council, CG Coordination Group, TF Taskforces)**

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I Background:

Apologies had been received from GG members Bettina Bergauer-Culver, Marcello Capra, Peer Hoth, and Gunta Slitha as well DG ENV representative Scott Brockett.

A list of participants can be found in Annex I to this note.

All documents used or discussed at the meeting and referenced in these minutes are made available via the Government Group web page of the platform website [zero-emissionplatform.eu](http://www.zero-emissionplatform.eu), menu option Organisation > Bodies > Government Group (or directly <http://www.zero-emissionplatform.eu/website/organisation/gg.html>).

II Decisions List of the 15th ZEP GG Meeting

No	Decisions
2	The minutes of the 14 th Government Group meeting (Brussels, 11Mar09) were unanimously approved
7	The following focus, modality and schedule was concluded for the time being: 1. Government communication with the public (cf topic 5); special seminar ~eo Sep09; 2. Funding; special topic fall GG meeting (cf next topic refined to 27Oct09); 3. Implementation of the Storage Directive; special seminar where frontrunners could inform others ~ Jan/Feb10
8	Government Group meeting #16 is scheduled for 27 October 2009 at Brussels. Country presentations of Belgium and Turkey will be part of the programme.

III Action List of the 15th ZEP GG Meeting

No	Actions	Action on
0	GG members to suggest relevant topics for discussion in / treatment by the GG	All GG members
5	The secretariat to come up with a discussion proposal aiming for an event to exchange experiences on Government communication with the public and targeting Government communication experts somewhere end of September / early October	Secretariat / Hans Modder
9	Specific members might be called upon to prepare certain future topics	Specific members tbd

IV Report of the Meeting

1. Opening

The Government Group meeting was opened by its chair Tone Skogen. The agenda was adopted.

The following new member was announced:

- ❖ David Lebain successor of former member Philippe Geiger (France)

Subsequently a tour de table was made.

2. Adoption of the minutes of last GG meeting

The minutes of the 14th Government Group meeting (Brussels, 11Mar09) were unanimously approved.

3. Positions of selected governments

A country presentation on Denmark was given by Erik Björklund (slides now included in the GG15 documents package). Highlights of the presentation:

- ❖ Danish electricity production is currently based on CHP coal burning plants;
- ❖ The long term goal is to become fossil energy free. CCS, however, is not actively supported and does not receive any explicit government funding. Demos are to be cofunded by industry;
- ❖ Vattenfall is developing a CCS post-combustion demo project around its North Jutland power station in Aalborg. The CO₂ will be stored in the nearby Vested aquifer. The intention is to cofire the plant with up to 30% of biomass and thus go CO₂ negative. The nearby cement plant could in principle also be linked to the storage infrastructure.

A country presentation on Poland was given by Andrzej Siemaszko (slides to be included in the GG15 documents package). Highlights of the presentation:

- ❖ With over 95% of the Polish energy production based on lignite and hard coal, the country emits more than 200 mTonnes per annum. Given its large coal deposits, Poland will stay coal dependent.
- ❖ Poland has a huge CO₂ storage potential as the largest European on-shore Permian-mesozoic CO₂ sequestration reservoir runs under a significant part of the country.
- ❖ The potential Polish contribution to the EU Flagship programme consists of two candidates, together covering most of the ZEP technology blocks:
 1. Belchatow, a project of PGE and Alstom to develop a CCS post-combustion demonstration unit based on Europe's largest lignite power plant;
 2. Kedzierzyn, a project of PKE and ZAK to develop the World's first Zero-emission energy-chemical complex which in addition to storing CO₂ underground aims to convert CO₂ in to chemical products. Cofiring of biomass is also foreseen. Future options include integration of the Silesian industry basin with Europe's largest steel plant as well as industries from the neighbouring Czech region.
- ❖ Clean coal activities include the Rybnik pilot plant for enhanced coal bed methane.
- ❖ Poland's whole energy system needs to be changed, estimated to cost some b€ 50. In addition to the CCS specific funding now available on the EU level, it should be investigated if and how structural funds might be employed.

4. Developments since last meeting

ETP ZEP activities: Advisory Council (AC); Coordination Group (CG)

CG chair Heinz Bergmann reported back from the AC and CG levels. Highlights of the presentation and discussion:

- ❖ Facilitated by McKinsey, selected AC members have elaborated a knowledge sharing proposal. After adoption by the others, this will be made public;
- ❖ ZEP has produced recommendations regarding the disbursement of the New Entrants Reserves (NER; document since uploaded to the library on the web site);
- ❖ ZEP intends to produce a two pager commenting on the recently published CCS call under the European Energy Programme for Recovery (EEPR). In general, the feeling is that the call treats CCS and renewables fairly
- ❖ In the framework of establishing a working group on Infrastructure, ZEP is engaging with the EuroPipe project. The working group could report to the CG or be organisationally linked to the Taskforce on Demonstration & Implementation.
- ❖ The 2009 General Assembly is fixed for Wednesday 21 October in Brussels.

Tone reiterated the nomination of Ruth Hampton as GG representative in the working group on Infrastructure, given Ruth's involvement in cross-border transport issues relating to OSPAR and the London Protocol.

ETP ZEP activities: Taskforces

Hans Modder shortly reviewed the current activities of the taskforces on Technology (TTech) and Policy and Regulation (TPReg); those of the taskforce on Public Communication (TPCom) were not separately addressed as included in agenda 6 (see below). A more extensive report on TTech and TPCom by GG member Harry Schreurs is included in the GG15 document package.

EC activities: Energy Economic Recovery Package (EEPR)

Kai Tullius of DG TREN provided some more background on the EEPR. Highlights of the presentation and discussion:

- ❖ A limited call was published on 18 May 2009
- ❖ Deadline for submission is 15 July 2009
- ❖ Despite the short lead and response time, sufficient reactions are expected;
- ❖ First contract signing is envisaged for end of the year.

EC activities: SET plan / EII

Vassilios Kougionas, complemented by Kai, explained that there is a first workshop with the member states planned for 1 July 2009 (unfortunately coinciding partly with a ZEP Advisory Council meeting). Topics to be treated:

- ❖ General presentation by the EC of the EII, including EEPR, network secretariat, NER;
- ❖ Presentations from UK, NO and NL and contribution from ZEP
- ❖ Open discussion on how to move

EC activities: Other financing issues

Vassilios explained that the "financing communication", covering all low carbon technologies and originally foreseen for last year already, is now expected to be adopted early September. The special communication on funding activities in developing countries, already presented in the GG last year, is expected to be ready by the end of June.

EC activities: Disbursement of 300 mio EUAs / New Entrants Reserves

In the unfortunate absence of any representative from DG ENV, the "non-paper" (included in the GG15 documents package on the website) was shortly discussed. Highlights of the discussion:

- ❖ Two calls are foreseen, one in 2009 for 7 topics and another in 2010 for 3 more topics;
- ❖ A meeting of the EC with the stakeholders will take place on 29 June in Brussels. The status of the guidance paper to complement the Storage Directive is unknown

Related activities: International CCS collaboration

Trygve Riis presented an overview of the international activities in the CSLF and IEA framework (slides now included in the GG15 documents package). Highlights of the presentation:

- ❖ New groups that deal with CCS aspects keep coming up leading to the risk of double work up to unproductive competition;
- ❖ There relevant roadmaps have been / are being elaborated by different bodies, i.e:
 1. A technical roadmap by the CSLF
 2. A full roadmap by the IEA
 3. A “capture CO2 from coal” roadmap by the IEA GHG
- ❖ In the EU, there are clear benefits for the 12 demos to collaborate, but what about with the 20+ demos planned worldwide?
- ❖ Heinz Bergmann: ZEP is taking the international dimension seriously: through the individual members and the secretariat links are maintained. The knowledge sharing exercise explicitly addressed projects worldwide advocating involvement on a reciprocal basis.
- ❖ Kai Tullius: Network secretariat has an international role, but its first focus is on EU projects. Interaction with other developed and developing countries will be defined later when operational. The GCCSI could perhaps be a logical forum.
- ❖ Ruth Hampton: Sharing not much discussed between member states. Will be a topic for the CSLF ministerial meeting of 12-14 October in London.
- ❖ It was concluded that the international collaboration and coordination issue is highly relevant for the GG to follow.

5. Discussion of common national issues

In the unfortunate absence of Peer Hoth, experiences with the implementation of the Storage Directive were not discussed. (Cf. topic 7 for the discussion on the process to exchange experiences)

Annemarieke Grinwis and Roel Linn presented the Dutch on-shore storage demo at Barendrecht (Rotterdam area), zooming in on the role of the Government in achieving public acceptance. Some valuable lessons learned include:

- ❖ Government must lead communication as involved industries, in this case Shell, are not trusted;
- ❖ Public acceptance probably too ambitious: at best tolerance is achievable;
- ❖ Start communicating well ahead of actual action.

Building and capitalising on this, Annemarieke and Roel proposed to organise a special seminar to exchange experiences and best practices targeting government communication experts. This proposal was explicitly backed up by DK, EL, FR, NO, and UK. The secretariat was mandated to come up with a discussion proposal aiming for an event somewhere end of September / early October. Suggestions for consideration:

- ❖ Invite communications people from Vattenfall to contribute their experiences in the context of the Danish and German demos;
- ❖ Share first outcomes of an acceptance study in the FENCO context.

6. Public Communication

Eric Drosin, ZEP Director of Communications, presented the recent rebranding activities explaining the background and demonstrating the resultant new website to go live by 1 August. The “hard facts” animation that he showed for illustration received many positive comments. Eric stressed that ZEP provides these animation free of charge for use by member states’ governments as long as properly credited. Translations services could also be facilitated through ZEP at attractive prices.

Eric also addressed the ZEP plan for presence at COP15 (Copenhagen, 1-12 December) and concluded by announcing that this year’s General Assembly of ZEP was fixed for 21 October 2009 in Brussels (*Note: Subsequently moved back to 20 October, because of unavailability of EC representatives on the original date*).

More details can be obtained from Eric; not minuted here because of sensitive nature until disclosure.

7. General GG actions for the coming period

Ruth Hampton introduced a discussion on the future objectives of the GG and suggested to come to some kind of more structured work programme. The modality to address relevant topics, e.g. (significant) part of regular GG meeting or dedicated meeting / event, could then depend on the need. An inventory of common interests produced the following topics:

- ❖ National implementation of the Storage Directive (beyond direct transposing of the Directive’s text);
- ❖ Funding, notably through structural funds;
- ❖ Government communication with the public;
- ❖ SET plan;
- ❖ Early reading of the outcomes of relevant projects, e.g. EuroPipe;
- ❖ Commenting on drafts of major ZEP publications, e.g. SRA or SDD revisions;
- ❖ Producing common views (although understood to be an official / non-binding).

The following focus, modality and schedule was concluded for the time being:

1. Government communication with the public (cf topic 5); special seminar ~eo Sep09;
2. Funding; special topic fall GG meeting (cf next topic refined to 27Oct09);
3. Implementation of the Storage Directive; special seminar where frontrunners could inform others ~ Jan/Feb10¹

8. Next meeting

It was decided that Government Group meeting #16 is to take place on 27 October 2009 at Brussels. Country presentations of Belgium and Turkey will be part of the programme.

9. Wrap up

Tone indicated that specific members might be called upon to prepare certain future topics.

¹ Given the urgency for the front runners, Ruth decided after the meeting to investigate with the taskforce Policy and Regulation the option to also have a complementary frontrunners’ session at shorter term

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David Lebain announced a joint IFP-BRGM-ADME symposium on CCS, held in Paris on 5-6 November 2009 (more information can be found on <http://www.co2symposium.com/>).

15:50 Adjourn

Hans Modder, ZEP Secretariat
26 June 2009

ANNEX I

Participants in the 15th ZEP GG Meeting

GG members		
Skogen, Tone; Chair	Norway	Ministry of Petroleum and Energy
Hampton, Ruth	UK	Department of Energy and Climate Change
Bergmann, Heinz	ZEP CG	CG Chairman
Björklund, Eric	Denmark	Danish Energy Agency
Grinwis, Annemarieke	Netherlands	Ministry of Economic Affairs / Ministry of Environment
Hoewener, Hubert	Germany	Forschungszentrum Jülich – PtJ
Koukouzas, Nikolaos	Greece	Centre for Research & Technology, Hellas (CERTH)
Lebain, David	France	Ministry for Sustainable Development
Mathiesen, Carsten	Denmark	ENERGINET.DK
Novak, Marie	Belgium	Federal Ministry of Economics
Riis, Trygve	Norway	Research Council of Norway (RCN)
Siemaszko, Andrzej	Poland	National Contact Point for Research Programmes of the European Union
EC representatives		
Tullius, Kai	EC	DG TREN
Kougionas, Vassilios	EC	DG RTD
Observers / associates / Guests		
Drosin, Eric	ZEP secretariat	Communications
Linn, Roel	Netherlands	Ministry of Economic Affairs / Ministry of Environment
Modder, Hans	ZEP secretariat	Triarii
<i>NN</i>	<i>Poland</i>	<i>Assistant of Andrzej Siemaszko</i>
Stroobants, Wouter	Belgium	Flemish Region / Belgian CCS pilot
Yilmaz, Ilknur	Turkey	Turkish Research Council (TUBITAK)