

ZEP Advisory Council 50

Draft AC49 Minutes

Attendance

Advisory Council members

Tim Bertels	Shell
Didier Bonijoly (alternate)	BRGM
Lamberto Eldering (alternate)	Statoil
Jonas Helseth (alternate)	Bellona
Arthur Heberle (alternate)	Mitsubishi Hitachi Power Systems
Philippa Parmiter (alternate)	Scottish CCS
Nils Røkke	Sintef
Charles Soothill	GE
Graeme Sweeney	ZEP Chairman
Olav Skalmerraas	Statoil
Ton Wildenborg (alternate)	TNO

Observers and other attendees

Heinz Bergmann	IZ-KLIMA
Gerdi Breembroek	Netherlands Enterprise Agency
Karl Buttiens	Arcelor Mittal
Marie Bysveen	Sintef
Claude Heller	Air Liquide
Vassilios Kougionas	European Commission
Guido Magneschi	GCCSI
Caterina de Matteis	IOGP
Lord Oxburgh	UK House of Lords
Andy Read	ROAD
Michael Schuetz	European Commission
Ugo Simeoni	European Turbine Network
Maria Velkova	European Commission
Keith Whiriskey	Bellona
Jean-Xavier Morin	CO2 - H2

Attending via Teleconference

Owain Tucker	Shell
Mark Downes	Shell

ZEP Secretariat

Harriet Howe	CCSA
Theo Mitchell	CCSA
Luke Warren	CCSA

Item 1: Introduction

The AC adopted the agenda for the meeting (pre-read 1a) and approved the minutes of AC48 (pre-read 1b). It was noted that an agenda item on ZEP 2017 priorities would be held at the AC50.

The Chair introduced the meeting and provided an update on his external engagement activities (pre-read 1c). He noted the importance of the SET-Plan Temporary Working Group 9 CCUS and highlighted the opportunity to consider how unspent NER300 funds might support future CCS projects. It will be important for NW P&E to consider this and provide ZEP input to this discussion.

Angus Gillespie (Shell) was unanimously appointed to the Advisory Council and as Co-chair for the Network Policy and Economics, replacing Tim Bertels who will be stepped down from both positions in December. The AC formally acknowledged the contribution made by Tim Bertels to ZEP and the AC and wished him well for the future.

Item 2: Secretariat update

LW provided an update on the ZEP Secretariat. Meetings of the AC and ACEC for 2017 were reviewed at the November ACEC teleconference and these were approved by the AC.

LW then gave the ZEP-C finance update (pre-read 2b) and outlined the situation regarding membership.

GB provided an update of the activities of the ZEP Government Group (pre-read 2c). GB explained that she had been appointed as the Government Group's Permanent Observer to the AC on an interim basis and that the Government Group would be formally appointing an observer at its next meeting on 3rd March 2017.

Item 3: SET-Plan Action 9

LW and VK provided an update on the SET Plan Action 9 TWG CCUS (pre-read 3). Submissions are being invited from interested parties to outline how ongoing actions could contribute towards the newly-adopted specific targets for CCUS under the SET Plan. These actions will then be discussed at the next meeting of the TWG9 in The Hague (15th February), gaps will be identified and an Implementation Plan will be developed by Q1/Q2 2017.

Item 4: Commission updates

The AC received presentations from;

- Maria Velkova (MV) – DG CLIMA
- Michael Schuetz (MS) – DG ENERGY
- Vassilios Kougionas (VK) – DG RESEARCH

DG CLIMA

It was noted that there have been discussions with the Member States on the unspent NER300 funds through the Climate Change Committee. This relates to €550 mn of funds from the first call of the NER300 process. Four options on reallocation of the funds have been presented to MS with the objective of the money being made available very quickly. It is expected that a proposed way forward will be presented at the next meeting of MSs in February 2017.

DG ENERGY

MS noted that ROAD has had its grant agreement extended by the EC until end-2019 which is a big step forward.

MS also provided a comprehensive overview of the “Clean Energy for All Europeans”-package published by the Commission on 30th November. The package includes a number of new regulations and legislative proposals relevant to CCS, including governance proposals and the introduction of an Emissions Performance Standard at 550gCO₂/KWh for European capacity markets. The ZEP Chair noted the significance of the package and it was agreed that the NWPE would consider how ZEP might respond at its next meeting.

There was a discussion on the proposed inclusion of waste derived fuels in the Renewable Energy Union Directive. It was agreed that this was an important issue that needs to be considered further by ZEP. It was agreed that this should be on the agenda for the AC50.

The presentation slides used by MS can be found appended.

DG RESEARCH

VK updated the meeting on activities - other than TWG9 – relevant to CCS. Of note was the action to align actions under H2020 with Mission Innovation actions. It is expected that there will be a Mission Innovation Workshop in Beijing on CCUS. There is also a process to increase cooperation between China and EU under H2020. Finally VK requested that he be sent for final report of the Future CCS Technologies report.

Item 5: Guest presentation: Lowest Cost Decarbonisation for the UK: The Critical Role of CCS

The AC received a presentation by Lord Oxburgh, Chair of the Parliamentary Advisory Group on CCS, outlining the findings from the Group's recent report: Lowest Cost Decarbonisation for the UK: The Critical Role of CCS, published in September 2016 (pre-read 5).

Item 6: Guest Presentation: CCU at ArcelorMittal: The circular carbon economy

The AC received a presentation by Karl Buttiens outlining the work ArcelorMittal are currently undertaking in the production of bio-ethanol from waste CO₂ emissions from steel production.

Following the presentation there was discussion regarding the lifecycle analysis for synthetic fuels products, and it was noted that this issue ties in closely with ZEP's recent response to the EU ETS reform.

Item 7: Network Technology update

Arthur Heberle (AH) led the update on progress within Network Technology (NWT) and its subsidiary working groups as per pre-read 7a. This was followed by a discussion on each of the Temporary Working Groups (TWGs).

TW provided a brief overview of the work of the TWG Future CCS Technologies. A final draft version of the report was presented to the AC (pre-read 7b), which was approved.

CH gave a presentation, providing an overview of the work of the TWG Clean Hydrogen and a summary of the key findings in the report. A final draft version of the report was presented to the AC (pre-read 7c). The AC approved the report, but suggested amendments be made to a number of the images to improve clarity and to the text, including the use of "Clean H₂" and "Green H₂".

Following completion of minor editing and amendments suggested by the AC the ZEP ERG and Weber Shandwick will be provided with copies of the final approved Future CCS Technologies and Clean Hydrogen reports, from which a plan for media engagement activities and dissemination will be produced. Additionally a number of the recommendations from both reports will be used as input for the SET-Plan TWG9 on CCUS.

HH provided an overview of the key recommendations from the report by the TWG Fast Track Transport and Storage. The recommendations were approved by the Advisory Council, with the intention to use them as input to the ZEP General Assembly and SET-Plan TWG9 on CCUS. A final draft version of the report will be presented to the ACEC meeting in February, and subsequently the AC meeting in March for approval.

Item 8: Network Policy & Economics update

LE provided a brief update on the Network Policy and Economics and its subsidiary working groups as per pre-read 8 a. It was agreed that Angus Gillespie will replace Tim Bertels as Co-chair of the Network.

A new TWG CCU Policy will be established to respond to the inclusion of CCU in the form of alternative fuels in the Renewable Energy Directive, and will be chaired by Rob Van der Meer (Heidelberg Cement). The TWG will be made up of members of both the NWPE and NWT and the group will produce its report by Q1 2017.

CS gave a presentation outlining the results of the final modelling work of TWG Market Economics, and a summary of the reports key findings (as per pre-read 8b). A draft version of the report was approved by the AC, subject to some minor amendments. It was noted that the report may benefit



from the inclusion of the key model assumptions and limitations within the introduction. Weber Shandwick will be provided with a final copy of the report, and with support from the ZEP ERG, will devise a plan for dissemination and engagement activities. The importance of ensuring robust communications and messaging was noted given the complex nature of the report and its underlying assumptions.

LE provided a read-out of a recent meeting of the CO₂ Thematic Area under which the Commission is developing a draft template and assessment criteria for CO₂ transport Projects of Common Interest. Given tight deadlines, LE explained that the TWG PCI is developing input to the Commission based on existing ZEP messages and the agreed ToR for the TWG, and the AC provided delegated approval for the co-chairs of the TWG to submit feedback to the Commission.

Item 9: External Relations Group

JH provided an update on the activities of the ERG (pre-read 9 a), including a brief summary of external engagements (as per pre-read 9 b).

Weber Shandwick has a scheduled pause in their contract during January 2017, resuming activities the following month in February. During this period the ZEP Secretariat will be responsible for maintaining the ZEP Twitter feed. The monthly meeting of the ERG group will take place in January.

Item 10: Any Other Business (AOB)

The Chair noted that there was no other business and the meeting was closed.

Actions

Action		Owner	Deadline
1a	Agenda item on ZEP 2017 priorities would be held at the AC50	LW	AC50
1b	NW P&E to consider options for recycling of NER300 funds this and provide ZEP input to this discussion	TM	ASAP
4a	NWPE would consider how ZEP might respond to EPS proposal	TM	ASAP
4b	The policy treatment of waste-derived fuels should be on the agenda for the AC50	LW	AC50
4c	Send final report Future CCS Technologies report to VK	HH	ASAP
7b	Filip Neele, Chair of the TWG Future CCS Technologies to provide WS and the ZEP ERG with a final copy of the approved report.	FN	Completed
7c	CH Chair of the TWG Clean Hydrogen to update images from the Clean Hydrogen and make some amendment to the text including the use of "Clean H ₂ " and "Green H ₂ ". Following the completion the report will be handed to WS and the ZEP ERG for dissemination.	CH	
8b	Minor amendments to be made to the report; Market Economics. Following the completion of these amendments the report is to be handed over to the ZEP ERG and WS for dissemination.	CS	Meeting of the TWG planned for January
8c	TWG PCI to input to the EC based on existing ZEP messages and the agreed ToR for the TWG. AC provided delegated approval for the co-chairs of the TWG to submit feedback to the EC.	LE	Completed