

MEETING MINUTES

ZEP 75th ADVISORY COUNCIL AND IWG9 PLENARY

14 June 2023, 10:30-17:00 CEST

In-person meeting in Brussels (and online)

1. Welcome and introduction

ET/chair welcomes participants and confirms quorum.

Chair asks for approval of:

- the IWG9 Plenary/AC75 draft meeting agenda – approved.
- the IWG9 Plenary/AC74 draft meeting minutes – approved.
- the ACEC April draft meeting minutes – approved.
- the ACEC May draft meeting minutes – approved.

2. ZEP developments

POG gives an update on ZEP developments, highlighting the successful management of the long gap in funding proceeding the current EU grant, the Advisory Council's build-up of reserves to avoid this risk, and that ZEP now has a very good basis for development and strong action going forward. He also notes the expected further increase of the financial reserves during 2023 due to additional members and lower costs due to slower return from lockdown, referring to the ZEP-C AGM later today.

Chair mentions, referring to the pre-reads, that in light of the strong positive CCS and CCU momentum the TWG on Future ZEP structure will revisit ZEP membership, structure, and the organisation of workstreams and come back with a mapping at the AC in September. POG adds that two new employees are recruited to the ZEP secretariat.

Questions are raised regarding the possibility to provide input to the process, the composition of the TWG, the fundamental objectives, and the coordination with other organisations working on CCS. Chair explains that the chair and vice-chairs of ZEP make up the TWG and that the goal is to identify elements that could be changed.

The AC approves the terms of reference and the way forward.

3. Updates from governments and projects

SF from the German federal ministry presents the ministry's work, including on a Carbon Management Strategy expected in Q3/Q4 2023. Germany is looking into the ratification of article 6

of the London Protocol. SF confirms that he would be happy to present the strategy to ZEP once it is published.

FA presents RWE's plans regarding the decarbonisation of its power plants in the Netherlands and the UK.

JVDH presents the Delta Rhine Corridor project. Planned capacity is set at 10 million tonnes per year. The project has national interest status in the Netherlands. Three key factors for final investment decisions are permits, emitters commitment, and store acreage.

Sessions of questions and answers follows and the chair thanks the speakers.

4. SET-Plan Review

WC highlights that the SET Plan review has not been prioritised and he adds that a SET-Plan workshop will take place at the end of June. POG notes that ZEP and IWG9 already have taken the most important steps referring to the review, with updated targets and fully coordinated work programme and structure. He gives a short update on the input to the annual SET-Plan progress reporting and the upcoming meeting with the IWG9 chairs.

The ACEC approves the proposed way forward for the reporting.

POG announces that he is moving on from his position at the CCSA and ZEP at the end of August. Chair and participants thank POG for his work on CCS deployment in Europe.

5. Updates from the Networks

a. Network Policy & Economics

LE gives an update on the ZEP Network Policy and Economics, presenting an overview of the latest meeting in May and noting that CS has stepped down from his role as co-chair of the Network. LSN gives an update on the WG Policy & Funding, presenting an overview of open consultations as well as of the elements that the European Commission is considering for the Industrial Carbon Management Strategy.

HS gives an update on the ongoing work of the ZEP/CCSA working group on CO₂ transport by ship, noting that a draft report is being reviewed by working group members. A discussion follows about the need for technical recommendations on standardisation of CO₂ specifications and the need for a pragmatic approach that does not disqualify initial investments, but that at the same time recognises current uncertainties.

ZEP's response to the call for feedback on the EU 2040 climate target and the way forward regarding the calls for feedback in the Net Zero Industry Act and Industrial Carbon Management Strategy are approved by the AC.

b. Network Technology

AF gives an update from Network Technology, presenting an overview of the latest meeting of the Network and the temporary working groups CDR and Supply chain activities regarding consultation responses. AF gives an update on the CCS+ initiative, noting the upcoming public consultation on the first batch of documents and that the CDR workstream has been put on hold, given reservations concerning timing, resourcing, scope and added value.

ZEP's response to the Article 6.4 mechanism Supervisory Body 'Structured public consultation: Removal activities under the Article 6.4 mechanism' is approved by the AC.

6. Updates from the External Relations Group

POG gives an update on the External Relations Group (ERG), noting the call for the vice-chairs to present new ERG co-chairs and the merge of the Communications Group and the ERG. He gives an overview of recent events and communications activities, noting the successful NET Zero Within Reach conference in April, that next year's conference will be organised on 24 April 2024, the June engagement programme, the NZIA knowledge sharing webinar, and the update of the ZEP and IWG9 websites. AF gives an update on ZEP's policy session at the EU Sustainable Energy Week 2023.

7. ZEP Network Projects

LE and POG give an update on the new Network Projects, the set-up and the way forward, noting SS as the proposed co-chair. Regarding next steps, SS notes that Porthos has indicated interest in hosting the first session in November this year. A discussion follows about the involvement of local authorities and the research community in the new Network.

The AC approves the way forward, the Network set-up, co-chair, and hosting of the first project.

8. The Green Deal Industrial Plan and the Net Zero Industry Act

CAB introduces the topic, focusing on the provisions in the Net Zero Industry Act that are relevant to CCS. CDM provides an overview of IOGP's position on the file. A roundtable discussion follows on how to make the injection capacity obligation (Article 18) workable, how carbon removals are reflected in the Act, the need for a value-chain approach, and Member States' financial capacity to fulfil their climate responsibilities. Participants also discuss the applicability of the current target for storage injection capacity in a scenario where it applies to the European Economic Area (EEA) and not just the EU.

9. Update on the Monitoring and Reporting Regulation revision

IM gives an update on the revision of the Monitoring and Reporting Regulation. A discussion follows about the scope of the revision regarding non-pipeline transport of CO₂, and the timeline for the revision.

10. Funding opportunities for CCS/CCU projects

MV gives an update on EU funding programmes, focusing on the Innovation Fund and the LIFE Programme. JF gives an update on the PCI/PMI process. A discussion follows about the total amount of EU ETS funding that flows to the Innovation Fund.

11. Ahead of the CCUS Communication

JF gives an update on the ongoing work of the CCUS Forum working groups and the upcoming Industrial Carbon Management Strategy. A discussion follows about the link of the initiative with the Commission's proposal for a Regulation establishing a Union certification framework for carbon removals.

12. Actions, closing remarks and next meeting

Chair thanks all for participating and notes the next AC/Plenary meeting dates for 2023: ZEP AC76 and IWG9 Plenary on 13 September, with a following meeting on 13 December.

Attendants		
1.	Eve Tamme	Zero Emissions Platform
2.	Joëlle Rekers	Dutch Ministry of Economic Affairs and Climate Policy
3.	William Christensen	Norwegian Ministry of Petroleum and Energy
4.	Lamberto Eldering	Equinor
5.	Michalis Agraniotis	Mitsubishi Power Europe
6.	Cecile Barrere-Tricca	IFPEN
7.	Al Tucker	Shell
8.	Ross Brown	Shell
9.	Bram Sommer	Shell
10.	Jeroen van de Heijning	Shell
11.	Aslak Hellestø	Northern Lights
12.	Ward Goldthorpe	Sustainable Decisions
13.	Vicente Cortés Galeano	University of Sevilla
14.	Constantin Sava	GeoEcoMar
15.	Thomas Le Guénan	Bureau de Recherches Géologiques et Minières
16.	Suzanne Hurter	TNO

17.	Eadbhard Pernot	Clean Air Task Force
18.	Keith Hester	Eni
19.	Valeria Di Francesco	Eni
20.	David Nevicato	TotalEnergies
21.	Pauline Bourguignon	TotalEnergies
22.	Line Rydså	SINTEF
23.	Stijn Santen	EBN
24.	Marine Valdois	ExxonMobil
25.	Marie Bysveen	SINTEF
26.	Kristin Jordal	SINTEF
27.	Liv Rathe	Norsk Hydro
28.	Stuart Haszeldine	University of Edinburgh
29.	Lina Strandvåg Nagell	Bellona
30.	Heimo Friede	Siemens Energy
31.	Judith Kirton-Darling	industriAll
32.	Raphael De Loenen	Port of Antwerp-Bruges
33.	Reinier van Noort	Institute for Energy Technology
34.	Nicolai Mykleby-Skaara	Aker Carbon Capture
35.	Maria Velkova	European Commission
36.	Eirik Lønning	European Commission
37.	Ioli Howard	European Commission
38.	Johanna Fiksdahl	European Commission
39.	Alexandre Dedo	European Commission
40.	Yiannis Markoudakis	European Commission
41.	Morten Skovgaard Olsen	Danish Energy Agency
42.	Alex Blades	UK Department for Energy Security and Net Zero
43.	Martijn van de Sande	Netherlands Enterprise Agency
44.	Sebastian Fischer	German Federal Ministry for Economic Affairs and Climate Action
45.	Timo Ritonummi	Finnish Ministry of Economic Affairs and Employment

46.	Tine Leroux	Flemish Energy and Climate Agency
47.	Stefano Benato	Swiss Federal Office of Energy
48.	Onur Bayram	Turkish Energy, Nuclear and Mineral Research Agency
49.	Yasemin Polat	Turkish Energy, Nuclear and Mineral Research Agency
50.	Sebastian Busch	IN4climate.NRW
51.	Margaux Gressé	Teréga
52.	Nina Kolbe	thyssenkrupp Steel
53.	Nikolaos Koukouzas	Centre for Research and Technology Hellas
54.	Patricia Marcos Suárez	Tecnicas Reunidas
55.	Patricia Marcos Suárez	Tecnicas Reunidas
56.	Julia Mülheiss	E.ON
57.	Sytze Ferwerda	Porthos
58.	Arash Hedayat	Repsol
59.	Fiona Auty	RWE
60.	Sofie Cuypers	Port of Antwerp-Bruges
61.	Axel Scheuer	IOGP Europe
62.	Anders Melhus	Altera Infrastructure
63.	Caterina De Matteis	IOGP Europe
64.	Sina Blix Prestmo	ECCSEL
65.	Klaus Meyer	Bosch
66.	Sophie Wilmet	Cefic
67.	Annette Weiss	Forschungszentrum Juelich
68.	Juliette Lebourrier	Lhoist
69.	Nicola Clarke	IEAGHG
70.	Panos Deligiannis	Ecolog
71.	Ståle Aakenes	Gassnova
72.	Virgilijus Petuska	UAB Minijos nafta
73.	Yoshihiro Sawada	Japan CCS
74.	Eric De Coninck	ArcelorMittal
75.	Anna Dubowik	44.01

76.	Ayan Bhattacharji	Interconnector
77.	Liliana Guevara Opinska	Trinomics
78.	Chris Sherwood	Negative Emissions Platform
79.	Ruth Herbert	CCSA
80.	Valeria Palmisano	SNAM
81.	Paolo Testini	SNAM
82.	Ivan Guerra	SNAM
83.	Emmanuelle Robins-Ouagne	Pôle Avenia
84.	Panos Deligiannis	Ecolog
85.	Kostis Andreou	Ecolog
86.	Frederik Pieters	BASF
87.	Eric Ingels	Pall Corp
88.	Haije Stigter	Carbon Collectors
89.	Jan Kjärstad	Chalmers
90.	Clara Pacitti	BCW
91.	Alar Saluste	Ragn-sells
92.	Per-Olof Granström	ZEP Secretariat
93.	Charles-Albert Bareth	ZEP Secretariat
94.	Ana Faria	ZEP Secretariat