

ZEP Advisory Council Meeting #37

Minutes of meeting

Date and time: 11 December 2013, 10.30 – 17.00 hrs.

Venue: Centre Borschette, Brussels

Status: draft, to be approved by AC at AC#38

The list of attendees is attached as annex 1.

1 Introduction and aims

1.1 introduction

Graeme Sweeney opened the AC meeting with the announcement that the UK government and White rose project agreed to start the FEED studies.

Charles Soothill gave further information, see pre read. It is a new built high efficiency coal plant of 450MWe, designed to capture 2M ton/year, has the option of biomass co-firing and is the anchor project for regional development of CCS. The project is also in the running for NER300 funding. ZEP congratulates the participants in the project with this milestone.

Graeme Sweeney remarked that several stakeholders have noted that ZEP is raising its game. He has been congratulated with being successful in getting CCS back on the political agenda.

1.2 Adoption of minutes and agenda

The minutes of the ZEP AC36 meeting were accepted.

The agenda was accepted with the following changes:

- Agenda item 1: AC will also discuss a funding request made by Bellona
- after agenda item 4 Pedro Otero will report about R&D progress made by Ciuden.

1.3 Organisational issues

1.3.1 Changes in the AC and taskforces

Chairman informed AC about the organisational changes in the ZEP AC:

Jill Duggan (Doosan Babcock), Kai Bjarne Lima (Statoil), Judith Kirton (ETUC) and Arto Hotta (Foster Wheeler) step down. Chairman thanked them for their participation in ZEP. Tim Bertels (Shell), Javier Alonso (Gas Natural), Olav Skalmeraas (Statoil) and Jozef Niemiec (ETUC Deputy General Secretary) apply for membership. Tim Bertels and Olav Skalmeraas presented themselves to the AC. In the absence of Jozef Niemiec Benjamin Denis of ETUC explained that Judith Kirton leaves ZEP because she aims to become a member of the European Parliament.

DECISION: AC accepts Tim Bertels, Javier Alonso, Olav Skalmeraas and Jozef Niemiec as AC members

Emmanuel Kakaras has temporarily changed affiliation. He has been appointed Head of R&D of Hitachi Power Europe for a period of three years ending on September 2015. In this same period he is on a leave from the University. Hitachi allows him to keep all positions at any board or committee: ZEP as well as the scientific board of VGB, the Coal Advisory Group of the E.C, Centre of Research and Technology Hellas and many others. As a consequence of this change within ZEP he is for the time being a member of the “others” constituency group. Emmanuel will discuss with Hitachi whether in a later stage, when its joint venture with Mitsubishi is established, there is a basis for this joint venture to become member of ZEP.

The AC notes that several of its members have an affiliation with both industry and research, which raises the question about in which cases research members with an affiliation with industry ought to sponsor ZEP. Additional rules in the bylaws to regulate this are not considered necessary. The primary affiliation that was noted at the time of joining ZEP will have precedence, and the bylaws already stipulate that any significant change in affiliation is to be reported to the AC which can then reconsider.

DECISION: AC accepts Gustaaf Boon as co chair for Taskforce D&I.

1.3.2 Changes in ACEC: Re-election of vice chairs

DECISION: AC agrees to a change of the bylaws that allows vice chairs to be re-elected more than once. To this end, on page 8 of the bylaws the sentence “this can be renewed once” will be removed.

Frederic Hauge, Gardiner Hill (tbc) and Charles Soothill are proposed by their constituency groups to continue as vice chair. Nils Røkke is proposed by the research organisations constituency as successor to Olivier Appert. The AC took a blind vote on Frederic Hauge, Gardiner Hill and Charles Soothill and an open vote on Nils Røkke.

DECISION: Hauge, Hill and Soothill were re-elected as vice chair, Røkke was elected as vice chair.

Because the 3-year term of the Chairman ends in December 2013 AC was asked to elect a chairman.

- AC-members have been invited via email to solicit prior to the AC meeting.
- Graeme Sweeney announced his availability to continue as a chairman. His sponsor has agreed to support for at least 1 year. No other candidates came forward.
- Graeme Sweeney expressed his aim to be a chairman neutral to the constituencies. He will not vote unless casting a vote is required. AC took a blind vote.

DECISION: Graeme Sweeney was re-elected as chair of ETP ZEP.

1.3.3 Meeting dates 2014 and overview CCS events

The proposed meeting dates for 2014 were accepted.

Secretariat listed the events in the period December 2013 to March 2014. Everyone is invited to notify the secretariat in the case of relevant events that should be added to the overview.

1.3.4 Funding request Bellona

Chairman informed AC that a funding request from Bellona was received by ACEC. The funding request was discussed by ACEC and also by the industrial constituencies. Having taken notice of the results of these discussions Chairman proposed that ZEP provides bridging support to Bellona, to be taken from the unspent Communication-budget of 2012, for an amount of 40k. This support is to be given in return for Bellona's leadership and work regarding the NGO constituency, taskforce P&R, the Energy Intensive Industry TF, and the cross-platform BioCCS. Chairman asks AC to agree on this proposal.

Comments:

- Chris Littlecott emphasised that ZEP is an important space for NGO's and that a positive and engaged NGO community is important for ZEP. Bellona plays a leadership role within the NGO community regarding CCS. If Bellona could not play that leadership role because of lack of support E3G would seriously have to consider to step out. Chris emphasized that he appreciates Bellona's work and that he is in favour of chairman's proposal.
- Dirk Goldschmidt expressed the concern, that the intended decision will result in a general compliance issue for Siemens, because it would mean that ZEP will pay an NGO for participating in an activity supporting industry business interests and that it is not possible for Siemens to agree to the spending from the communication budget, because the Siemens internal approval process has earmarked the spending to the communication activities. Any contribution to Bellona would require a new Siemens-internal approval process and as a prerequisite a clear and transparent contractual basis within the ZEP statutes. If any of the industries participating in ZEP gets to a bilateral agreement with Bellona clearly outside ZEP, that would be another story.

AC took a blind vote. 13 votes were in favour, 7 votes were against, 2 votes were withheld.

DECISION: AC will support Bellona with an amount of €40.000 to be given in return for Bellona's leadership and work regarding the NGO constituency, taskforce P&R, the energy intensive industry TF, and the cross-platform bioCCS provided that a contractual basis in line with ZEP's bylaws can be found in order to deal with the concerns mentioned by AC members.

2 Review decisions:

Robert presented the decisions of AC36 and the ACEC meetings between the AC36 and AC37 meetings.

3 Review of the General Assembly.

The 2013 ZEP GA used a new concept (public hearing), was focused on policy makers and MEP's, had a lower budget (42k) and was well attended (over 90 guests). Nelly Castilla presented the results of the review, see the slides that she used.

Comments:

- the AC expressed its appreciation for the new style GA. It is considered much more effective than previous GA's which was achieved at a much lower cost.
- AC confirms that this concept should be the basis for the 2014 GA.
- Nevertheless there is space for improvement:
 - o The ZEP community should have been better informed in an early stage;
 - o The time schedule was not kept, i.a. because MEP's didn't turn up in time. As a consequence of this and because some statements took more time than planned some agenda items were cut short. The agenda should be more robust and able to deal with such issues;
 - o There was little space for discussion in the panel sessions. Most time was spent on statements. It may be very difficult though to change this, given the way public hearings in EP are held;
 - o The meeting room could not host all attendees and the screen was too small so that the presentations were partly not readable;
 - o The webstreaming was not accessible for everyone. This could possibly be caused by firewalls which are outside the control of ZEP.

Chairman summarized the opinion of AC as follows: directionally the new set up of the GA is good. The new style GA is much more effective while at the same time considerably cheaper and therefore provides much more value for money.

DECISION: the concept of GA2013 is to be used as the basis for GA2014. Improvements are to be made regarding the execution.

4 EC

4.1 RTD

Vassilios Kougiouas informed AC about calls for proposals under H2020. These calls aim for geological storage and the application of CCS to industrial sectors other than power, including bio-CCS.

- With respect to geological storage large projects are expected with a cost of between 9 and 16M€, to be co-funded by other stakeholders such as member states.
- With respect to CCS in industrial sectors proposals are requested that that will receive an amount between EUR 4 and 9 million. Proposals should aim at integrating CCS technology in the best possible way so as to optimise the use of energy in the capture process, minimise process efficiency losses, achieve a suitable CO₂ purity for transport and storage, and maintain the quality of the industrial end product. Piloting under realistic conditions is required to significantly lower the energy penalty and capture costs. Collaboration with industrial end users is essential. Knowledge sharing as well as early and sustained engagement of the local community is essential.

There is also a call open that targets shale gas exploration and exploitation. This call asks for data collection (which could include satellite observation data), model development and identification/assessment of environmental impacts and risks of different exploration and exploitation techniques, and establishment of scientific recommendations for best practices. Smaller projects are requested (1-3M€/year , 2-phase project)

A two-stage submission scheme will be used. A 'short outline proposal' is requested for the first stage. Full proposals will be requested for the second stage from those that pass the first-stage evaluation. Proposals for the 1st stage can be submitted until April. Scientific excellence & impact. The full proposal must be submitted in September.

2015 will tackle the challenge for flexible power plants. The call will be open in September 2014, the closing date will be in March 2015. DECISION: TF T is asked to prepare ZEP for the H2020 call for flexible power plants.

Vassilios also mentioned that the administration of H2020 proposals and projects will be done by a new agency. This is effectively a split between policy and execution of policy measures. DECISION: TF T is asked to look into the consequences of the new EC-agency for the administration of H2020 projects for ZEP.

In March 2015 a workshop of EU/Australian government will be held in Melbourne/Sydney in Australia. The preparations are progressing well, there is a good cooperation with the Australian government. Wolfgang Rolland will participate on behalf of ZEP, for which chairman on behalf of ZEP expressed his gratitude.

On 16 December the ETP workshop will take place. The agenda is changed and that the energy challenge won't be addressed in afternoon. Vassilios will send a revised agenda.

4.2 ENER

Ilinca Balan reported:

- The results of the consultation on the CCS communication were published at the end November. ENER is now working together with CLIMA on the 2030 communication on CCS. Publication is planned for 22 January. ENER and CLIMA do not have plans for organizing a workshop on the results of the stakeholder consultation although ZEP would welcome such an initiative.
- DG ENER cooperates with DG RTD on a study on storage. This might lead to a publication at a later moment.
- The week before Ilinca attended an interesting meeting of the North Sea basin taskforce. The CO₂ infra structure was discussed. The taskforce looks into the possibilities of using the connecting Europe facility.

Comments

- On the consultation on the CCs communication ZEP remarks to Ilinca that ZEP remains strongly in favor of an ambitious goal for CCS in the 2030 Energy&Climate FrameWork. It is

therefore interested in impact assessment. The Davis report also calls for such an ambitious goal.

- Heinz Bergmann noted that many of the responses originate from German citizens and NGO's who argue in favour of a combination of Renewables and energy storage. Ilinca noted that these responses as well as the meetings at MS/regional level that EC attends show that public awareness of the climate problem and the role of CCS is limited and should be improved. Graeme Sweeney suggested that public awareness be addressed by EC in the H2020 calls for storage pilots.
- ZEP appreciated the constructive discussion with DG ENER on 4 November on the topic of the ZEP report on transitional measures. From the ZEP side Charles Soothill, Heinz Bergmann, and Ivan Pearson participated. ZEP's initiative to study the need for transitional measures was positively received, the conversation was reflected by ZEP in the final report.
- Juliette Langlais noted that EC is preparing guidelines for state aid in which CCS is being mentioned. The drafts that she has seen lead her to think that the CAPEX part is well developed but the OPEX side less so. Ilinca Balan of ENER confirms that ENER is involved but she cannot comment. She believes a public consultation will be launched by the end of the year, to be launched by DG COMPETITION. DECISION: TF P&R is asked by AC to participate in the expected public consultation on the guidelines for state aid.

DECISION: TF P&R is asked to participate in the expected public consultation on the guidelines for state aid.

4.3 DG CLIMA

Beatrice Coda informed the AC:

The NER300 selection process is on going and on track: the due diligence assessment and eligibility check will be completed as planned. The award decision is planned for the end of June 2014. EIB has started the sale of the remaining 100 Million allowances. It will take place over the next 5 months.

On the implementation of the CCS directive much progress was achieved. In the current 1st stage , infringement cases against 10 Member States were closed, thus 19 out of the 26 infringement cases are now closed. The legislation has now been implemented in the overwhelming majority of the member states. The completeness check of one remaining Member State is still being checked. The Commission addressed 6 Member States in November 2013 with reasoned opinion (second stage of infringement): Sweden, Cyprus, Hungary, Ireland, Slovenia, Austria have not notified their complete transposing measures. The Commission is therefore asking them, in a Reasoned Opinion to comply with EU law

There is a delay of a couple of months with the adoption of the 1st implementation report of the CCS directive. It was due by the end of 2013

The CCS directive review is on track, as also announced by Piotr Tulej at ZEP's public hearing. The deadline is March 2015. The review is expected to be thorough exercise, which will start in 2014. This can be seen as a big chance to assess the effectiveness and limitations of provisions of directive, of hurdles for the member states of the transposition process. CLIMA hopes that ZEP will contribute to the planned stakeholders consultation. It needs facts and evidence. Public acceptance is expected to be part of the review.

Comments:

- Jonas Helseth mentioned that Director Delgado Rosa, in the hearing of the ITRE committee on 28Nov on NER300, admitted that the execution of the 1st tranche of NER300 could have been done differently and more flexible and that Air Liquide could have benefitted from this. He asked Beatrice whether this could have any bearing on the 2nd tranche. In reply Beatrice regrets that the discussion on compliance with rules has become political: she said that rules have to be followed under a competitive process and that flexibility can only be given where the provisions allow this. Future schemes, if at all, might be designed with different provisions.
- Jonas Helseth noted that the steel action plan presented by EC in July indicated potential scheme for energy intensive industry. -Jonas asked for further information. Beatrice replied that indeed discussions are on-going but that at the moment EC does not have a mandate to work on such a scheme.
- Luke Warren noted that with respect to the 2030 framework that Jos Delbeke recently made some statements about ambitious targets for i.a. renewable energies and energy efficiency. Such ambitions have implications for the deployment of CCS. He asked what CLIMA intends to do to further the implementation of CCS. Beatrice however is not in the position to comment on this in the context of 2030 framework.
- CLIMA is also working on the improvement of the ETS system. This is expected to be e part of the 2030FW. The day before this AC meeting EP approved the backloading proposal.

DECISION: TF P&R is asked to engage in the discussions on ambitious targets for CCS and the improvement of the ETS system where needed.

4.4 Presentation of CIUDEN

Pedro Otero presented the progress made by CIUDEN's CO2 centre, see pre read. Key message: CIUDEN was able to double the capacity of the CFB boiler of its oxy-combustion capture installation.

5 Strategy

Bertels reported about progress.

Comments:

- Juliette Langlais commented that item 8 (NER300) should not yet be closed: there is ongoing work to create a successor to the NER300 scheme.
- Peter Radgen noted that TF D&I did a lot of work on re-allocation of the EEPF funds and on the postponement of the 2nd NER300 tranche, without success.
- The ratification of the London protocol appears to be on the critical path. The focus is not only on the currently participating countries but also on the countries that are going to sign up. This make it a more difficult process.

5.1 Strategy paper

Reinhold Elsen presented the strategy paper, chairman asked for approval. Chairman remarked that the document was already released by ACEC for use at the ZEP General Assembly, nevertheless AC is now asked for a formal adoption of the document.

AC adopts the document with a number of remarks that should be taken into account when the paper is being progressed at a later stage:

- Page 1 (the bulleted list): The emphasis should be put on negative emissions and the implementation of CCS with other industries. We should avoid any impression that the main objective of CCS is to enable the continued use of fossil fuels.
- The suggestion should be avoided that the strategy paper advocates single instruments. Rather the solution lies in a combination of instruments. Graeme noted that the ME group did not propose singular instruments but the complexity of the work forced them to discuss the measures each individually.
- The paper should be clearer about the incentives for industrial CCS.
- The paper could be a bit more clear about the application of EPS. The paper should clearly state that EPS should only be put in place when technology is mature and not mention the long-term.

Chairman summarised the discussion: The minor comments are related to the powerpoint presentation at the AC meeting and are already sufficiently considered in the strategy paper itself. He would certainly be in favour of support for industrial CCS.

DECISION: The ZEP strategy paper is approved. An action plan is requested to progress the paper over time. This action plan should pay special attention to industrial CCS as well as to further follow up of instruments in line with the transitional measures report and other relevant ZEP positions.

5.2 Roadmap

Tim Bertels presented the document and asked for support for the document. Chairman remarked that the document was already released by ACEC for use at the ZEP General Assembly, nevertheless AC is now asked for a formal adoption of the document.

The statement regarding CCS preserving jobs should be nuanced or evidenced.

DECISION: ZEP approves the roadmap.

5.3 TWG ME

Charles Soothill presented the transitional measures report. Chairman thanked Charles and the TWG ME group for the exceptional piece of work. A summary of the discussion that followed:

- AC considers that this is an excellent and useful report. It complements models that are currently in use that have shortcomings. It sparks the discussion. This report is not only good at providing answers but also for identifying new questions.
- There are differing views about the cost assumptions.

- Some believe that solar energy will see cost reductions of 50% over the next 5 to 7 years. Charles replied that this was considered but that a lower price would not affect the share of fossil fuel / CCS because it is needed for back up. The model can also be run with different cost assumptions.
- The report is based on the cost of CCS in base load. In 2050 CCS might be operated in flexible mode, which has different cost levels. Figure 11 of the report shows however that base load capacity factors are expected for the various fossil fuel plants with CCS and the lower capacity factors are calculated for unabated coal and gas.
- Energy storage should be incorporated in the model.
- Chart 17 of the report suggests quantities of CO₂ to be stored that are unprecedented and may not be practically possible. Therefore a reality check is recommendable.
- The report should be updated in the next year or so, Charles will discuss this with the team.

All Taskforces to look at report and determine the implications and whether it indeed is executable in sufficient detail.

DECISION: ZEP approves the transitional measures report. The TWG ME team is asked to consider incorporating energy storage in the model, doing additional runs with multiple instruments and is also asked for an update of the report in a year's time, with reviewed cost assumptions.

5.4 Business case for storage

Gardiner informed the AC with regard to the progress, a summary outline. AC members are invited to provide comments to TWGS.

5.5 Other industries

Jonas informed AC about the progress

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- Jonas is discussing with GCCSI a joint approach, with a workshop to be held in January / February and with results to be presented at the next AC meeting
- At the CG it was agreed that the task forces will participate through one of their co-chairs. These haven't yet come forward. Chairman asks the task forces to nominate a co-chair to participate.

6 Review decision making process

Tim Dixon presented the review. A summary of the following discussion:

- General appreciation is given for the excellent analysis
- Regarding the written procedure for decision making the AC "written procedure" is that non-replies count as approvals. This is nevertheless not the way ZEP will treat the non-cast votes.
- To the bylaws it will be added that the chair of the ACEC shall make every reasonable attempt to achieve consensus.

Chairman summarized the prevailing view of the AC that the report describes in a fair way the course of events. It does identify the ambiguity in the bylaws, recognizes the tensions, and concluded that with the best intentions the people involved tried to unsuccessfully resolve those.

GS asked for acceptance. DECISION: AC accepts the report of the review of the decision making processes with the note that to the bylaws it will be added that with respect to ACEC decision making the chair of the ACEC shall make every reasonable attempt to achieve consensus.

7 TF PC

Nelly presented the proposed budget:

Discussions:

- The budget for activities of Weber Shandwick in 2014 rises a little but much less than proportional in comparison to the budget for 9 months in 2013. ZEP asks Weber Shandwick to deliver 12 months of work for approximately the amount of money it got in 2013 for 9 months work. This is notwithstanding the increasing workload that is expected in 2014: i.a. a change of EP will require ZEP to engage with a new set of politicians.
- There is a roll over of 30k€ from 2013 to 2014 thanks to excellent control of the public communications budget
- The budget is subject to the appraisal of the 2013 finances that will be presented to AC in March 2014. It was suggested to agree the total budget and release part of the budget at a later stage, after the appraisal of the 2013 finances.
- The amount for the budget line for contingency differs from the amount in 2013. Rose de Lannoy asked whether specific lessons could be derived from 2013. The answer was negative.
- It was suggested to explicitly mention that Hermione should be present at the AC meetings of ZEP. Chairman pointed out that in principle he agrees that the text editor should attend the key meetings, but the decision is left to TF PC. The overspending of the budget for text editing caused them to decide differently.

DECISION: AC agrees to the proposed communications budget for 2014 (see slide presentation as presented at AC meeting) with the notes that the contingency spending is withheld until after the approval by AC of the review of the audit of the 2013 finances in March 2014 and that the major contract with Weber Shandwick will have a breakpoint at which activities and spending will be reviewed.

8 Sponsoring 2014

8.1 Forward view

Robert van der Lande outlined an unaudited overview of the financial situation of ZEP (see slide 6 of the slide presentation of TF PC's Comms finances update) and argued that there is sufficient financial buffer and expected income to sustain the proposed communications budget. At the AC meeting in March 2014 the full and audited annual reports will be presented to the ZEP AC. These will give them the complete financial picture. A few invoices for 2013 are still outstanding, actions have been taken to collect the payments.

DECISION: In the future the secretariat will include in the pre read of the AC meetings an update of the financial situation of ZEP.

8.2 Sponsoring decision:

DECISION: The AC agrees to an annual membership fee for ZEP-C for 2014 similar to 2013: €20.000 per industrial member.

9 TF T

Dirk Goldschmidt presented the long term R&D plan for Transport & Storage.

DECISION: the AC adopts the long term R&D plan for Transport & Storage. TF T and TF PC are asked for a leverage plan.

Dirk Goldschmidt presented the process of the development of the SET plan Integrated roadmap (IR) for low carbon energy technologies. It puts forward the key research and innovation actions of EC in this field and as such will be the backbone of EC policy for the next 6 years. Dirk Goldschmidt, Nils Røkke and Armin Wauschkuhn were proposed by CCS EII to participate in the process.

The IR is being drafted. There will be a new draft by the end of 2013 to which comments can be submitted before 15 January. It will be shared within ZEP, comments can be sent to Armin Wauschkuhn.

The agenda items “CCS for gas” and “link CCS and energy storage” were not discussed because of lack of time. AC members are invited to provide comments via email.

10 TF D&I

The agenda item was not discussed because of lack of time. AC members are invited to provide comments via email

11 TF P&R

Several organisations among which Alstom and ETUC have drawn up a letter (see meeting documents) in support of setting up a fund for industrial demonstrations of low carbon energy projects. Jonas Helseth asked AC to support this letter and have it

Comments:

- Many AC members express their support for the letter. It would be functional for getting support measures in the 2030 framework and could help ZEP to get into the dialogue;
- Concerns were expressed about NER300 as a model for the proposed support measures. Previously ZEP took the position that the NER300 should not be replicated: In a future scheme the shortcomings of NER300 should be addressed. The letter could create the impression that it asks for a replica of NER300 (*Such a fund could be modelled on the existing New Entrants Reserve...*) Therefore AC suggests to rephrase this to: “could be based on NER300”;
- AC members also got the impression at the ITRTE hearing on 27 November that DG CLIMA acknowledges the shortcomings of NER300 and would not seek a replica of that scheme;

DECISION: AC agrees to co-sign the letter “Embedding innovation and skills into the 2030 climate and energy framework”. It asks to seek rephrasing of the sentence that suggests that a replica of the NER300 scheme is requested.

12 CCS EII

Gardiner Hill participates on behalf of ZEP in CCS EII. Unfortunately he had to leave early from the AC meeting so could not update AC regarding the CCS EII. In his stead chairman made the following remarks:

- The next meeting of CCS EII will take place on 16 January
- In its annex the Implementation plan lists a number of deliverables to which ZEP has committed itself. The ZEP CCS EII team will prepare these items for the meeting of 16 January.

13 Decisions

DAC37.1: AC accepts Tim Bertels, Javier Alonso, Olav Skalmaraas and Jozef Niemiec as AC members

DAC 37.2: AC accepts Gustaaf Boon as co chair for Taskforce D&I.

DAC 37.3: AC agrees to a change of the bylaws that allows vice chairs to be re-elected more than once. To this end, on page 8 of the bylaws the sentence “this can be renewed once” will be removed.

DAC 37.4: Hauge, Hill and Soothill were re-elected as vice chair, Røkke was elected as vice chair

DAC 37.5: Graeme Sweeney was re-elected as chair of ETP ZEP

DAC 37.6: AC will support Bellona with an amount of €40.000 to be given in return for Bellona’s leadership and work regarding the NGO constituency, taskforce P&R, the energy intensive industry TF, and the cross-platform bioCCS provided that a contractual basis in line with ZEP’s bylaws can be found in order to deal with the concerns mentioned by AC members.

DAC 37.7: The concept of GA2013 is to be used as the basis for GA2014. Improvements are to be made regarding the execution.

DAC37.8: TF T is asked to prepare ZEP for the H2020 call for flexible power plants.

DAC37.9: TF T is asked to look into the consequences of the new EC-agency for the administration of H2020 projects for ZEP.

DAC 37.10: TF P&R is asked to participate in the expected public consultation on the guidelines for state aid.

DAC37.11: TF P&R is asked to engage in the discussions on ambitious targets for CCs and the improvement of the ETS system where needed.

DAC 37.12: The ZEP strategy paper is approved. An action plan is requested to progress the paper over time. This action plan should pay special attention to industrial CCS as well as further follow up of instruments in line with the transitional measures report and other relevant ZEP positions.

DAC 37.13: ZEP approves the roadmap.

DAC 37.14: ZEP approves the transitional measures report

DAC 37.15: AC accepts the report of the review of the decision making processes with the note that to the bylaws it will be added that with respect to ACEC decision making the chair of the ACEC shall make every reasonable attempt to achieve consensus.

DAC 37.16: AC agrees to the proposed communications budget for 2014 with the notes that the contingency spending is withheld until after the approval by AC of the review of the audit of the 2013 finances in March 2014 and that the major contract with Weber Shandwick will have a breakpoint at which activities and spending will be reviewed.

DAC 37.17: The AC agrees to an annual membership fee for ZEP-C in 2014 similar to 2013: €20.000 per industrial member.

DAC 37.18: the AC adopts the long term R&D plan for Transport & Storage. TF T and TF PC are asked for a leverage plan.

Annex I, attendees

Surname	Name	Invitation accepted
Balan	Ilinca	Y, EC
Benelli	Giancarlo	Y, AC
Bergmann	Heinz	Y
Bertels	Tim	Y, candidate AC
Castilla Garcia	Nelly	Y
Chamberlain	John	Y
Coda	Beatrice	Y, EC, in the morning
Constantin	Carmencita	Y, AC
Copin	Dominique	Y, AC, replaced Moutet
Cortes-Galeano	Vicente	Y, AC
Cussagnet	Pierre-Marie	Y
Czernichowski-Lauriol	Isabelle	Y, AC, replaced Demarq
De Lannoy	Rose	Y, AC
Denis	Benjamin	Y, AC, replaced Judith Kirton
Dixon	Tim	Y
Eldering	Lamberto	Y
Elsen	Reinhold	Y, AC
Giger	François	Y, AC
Goldschmidt	Dirk	Y, AC, replaced Vortmeyer
Hanegraaf	Maurice	Y, AC, replaced Mart van Bracht
Hauge	Frederic	Y, AC
Helseth	Jonas	Y
Hill	Gardiner	Y, AC
Honkasalo	Niina	Y, in the morning
Hotta	Arto	Y, AC
Kakaras	Emmanuel	Y, AC
Kalaydjian	François	Y, AC
Kougionas	Vassilios	Y, EC
Langlais	Juliette	Y
Lindgren	Goran	Y, AC
Littlecott	Chris	Y, AC
Martinez Jubitero	Jorge	Y, AC
Otero	Pedro	Y, AC
Pearson	Ivan	Y
Purvis	Andy	Y

Radgen	Peter	Y, AC, replaced Zizow
Ricketts	Brian	Y
Ripley	Tony	Y, GG
Røkke	Nils	Y, AC
Scowcroft	John	Y
Skalmeraas	Olav	Y, AC, replaced Lima, candidate
Soothill	Charles	Y, AC
Sweeney	Graeme	Y, AC
Tjan	Peter	Y, AC, replaced Gillies
van der Lande	Robert	Y
van der Panne	Gert-Jan	Y
Warren	Luke	Y