

MINUTES OF THE 82ND EXECUTIVE COMMITTEE MEETING

Date: Friday, June 18, 2021 (12:30 – 15.00 CET)
Venue: Online (zooms-Teams)

Contacts: Kari Aamodt Espegren (Kari.Espegren@ife.no) Brian Ó Gallachóir (b.gallachoir@ucc.ie)

TABLE 1: PARTICIPANTS

N.	Country	Participant	Delegate	Attended	Stand-ins
1	Australia	CSIRO	Mr. Luke REEDMAN	Yes	
2	Belgium	VITO/SPW/Brussels	Mr. Frank Meinke-Hubeny	Yes	
3	Denmark	ENS	Mr. Kristoffer Steen Andersen	Yes	
4	Finland	VTT/Business Finland	Aila Maijanen	Yes	Ms. Tiina Koljonen, Vice Chair
5	France	ADEME/EDMP/DGEMPEDAD	Mr. Emmanuel Combet Ms Nadia Maisi	Yes	Mr. Gilles Gerassimoff
6	Germany	IER	Mr. Markus BLESL, Vice chair	Yes	
7	Greece	CRES	Mr. Philip Siakkis	No	
8	Italy	ENEA	Ms. Maria Gaeta	Yes	
9	Ireland	SEAI	Mr. Brian Ó GALLACHÓIR, Chair	Yes	
10	Japan	IEEJ	Mr. Yuhji MATSUO	Yes	
11	Kazakhstan	NURIS		No	
12	Korea	KEA	Ms. HoChul Shin	No	
13	Netherlands	TNO	Mr. Bob van der ZWAAN	Yes	Mr. Francesco Dalla Longa
14	New Zealand	EECA	Ms. Kate Kolich	Yes	
15	Norway	IFE	Ms. Kari Aamodt ESPEGREN	Yes	
16	Russia			No	
17	Spain	CIEMAT	Ms. Yolanda Lechón	Yes	
18	Sweden	STEM	Ms. Josefin THORESSON	Yes	
19	Switzerland	PSI	Ms. Anne-Kathrin FAUST	Yes	Mr. Tom Kober
20	UK	BEIS	Mr. Alec WATERHOUSE	Yes	Mr Paul Dodds
21	US	DOE	Ms Angelina LaRose	No	
22	Sponsor	ENEL Foundation	Mr. Carlo PAPA	Yes	Mr. Claudio Pregagnoli

OFFICERS AND GUESTS

Uwe Remme	IEA Secretariat	James Glynn	Univ of Columbia
George Giannakidis	ETSAP Project Head	Christoph Jessen	FZJ, Germany
Mr. Amit Kanudia	KANORS, India	Antti	VTT, Finland
Gary Goldstein	ETSAP Liaison Officer	Pernille Seljom	IFE, Norway
Anna Krook-Riekkola	LTU, Sweden	Olexander Balyk	UCC, Ireland
Kenneth Karlsson	EML, Denmark	Kathleen Vaillancourt	Esmia, Canada
Evangelos Panos	PSI, Switzerland		

82ND EXECUTIVE COMMITTEE MEETING

AGENDA

No.	ITEM	
	DOCS	
1	QUORUM COUNT	
2	ADOPTION OF THE AGENDA	
3	MINUTES OF THE 81ST EXECUTIVE COMMITTEE	P1
3.1	<i>Final Minutes of the 81st Executive Committee - for noting</i>	
3.2	<i>Matters arising</i>	
4	IEA-ETSAP IMPLEMENTING AGREEMENT	
4.1	<i>Communication from the Secretariat</i>	P2
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4.3	<i>ETSAP Participation and Outreach activities</i>	
5	ANNEX XIV (2017-2019): UNDERSTANDING AND FACILITATING THE ENERGY TRANSITION TO ACHIEVE THE 'WELL BELOW 20C' GOAL	
5.1	<i>Final report of Annex XIV</i>	P4
6	ANNEX XV (2020-2022): ENERGY SYSTEMS AND SUSTAINABLE DEVELOPMENT GOALS	
6.1	<i>Status report from Operating Agent</i>	P5
6.2	<i>Economy and budget</i>	P6
6.3	<i>Online VEDA - introduction and discussion</i>	
6.4	<i>ETSAP TIAM - make it open?</i>	
7	OTHER BUSINESS	
7.1	<i>Election of Executive Committee Chair and Vice-Chairs</i>	
7.2	<i>83rd ExCo meeting: online meeting in September, (19:00-21:00 CET)?</i>	
7.3	<i>Others: Winter WS and 84th ExCo meeting: online and physical meeting (?)</i>	

Attachments

P1	Minutes and Action list from the 81st ExCo meeting, Online, March 25, 2021
P2	Update from IEA Secretariat
P3	New ETSAP Implementing Agreement
P4	Final report of Annex XIV
P5	Status report from Operating Agent
P6	Economy and budget

1. QUORUM COUNT

Quorum is 12. A quorum was present as 17 delegates were present.

2. ADOPTION OF AGENDA

The ExCo adopted the agenda with the following addition.

Any Other Business:

- a) Discussion on PhD student session during ETSAP workshops

3. MINUTES OF THE 81ST EXECUTIVE COMMITTEE

3.1 Final Minutes of the 81st Executive Committee - (Attachment P1)

No feedback to the minutes received before meeting, which the ExCo adopted.

3.2 Matters arising

Agreed actions from previous meeting.

Action List from 81 st ExCo Meeting	Owner
If there is a delay in the meeting documents, the ExCo will be informed by e-mail.	Brian (ongoing)
Align ETSAP and IEA ExCo details and update IEA and ETSAP websites accordingly	Kari has contacted with Contracting Parties where there is misalignment and will follow up on this. Kari will contact Uwe to see if there is any mismatch between IEA and ETSAP web page
Engage with IEA Legal Office and finalise revised ETSAP Implementing Agreement text for approval at 82 nd ExCo	Done. Agenda item 4.2 Brian/George/Kari
Support existing ExCo members (Korea, Japan and Kazakhstan), follow up with Israel and Austria on invitations and reach out to new potential contracting parties (Brazil, Azerbaijan, Baltic countries, African countries, and Saudi Arabia) to ETSAP	George/Brian/Kari – Agenda Item 4.3
Invite other TCPs to our next workshops to have joint sessions and explore options for collaboration.	George / Kari – Agenda Item 4.3
ETSAP teams are invited to include topics for collaboration with the TCP Combustion	All
Reach out to the TCP USERS on energy end-use.	Meeting with TCP Users George/Brian/Kari
Suggest joint workshop with the Bioenergy TCP and Industry TCP.	One meeting with IETS (Industry) TCP and discussion with Bioenergy TCP. Anna is involved with IETS, and Tiina is involved with Bioenergy. George/Brian/Kari
Seek to coordinate with IEA on joint training workshops for IEA Association Countries	George / Uwe (ongoing)
Engage with IEA regarding use of the IEA energy balances	George/Brian/Kari (Agenda item 6.4)

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Decide whether ETSAP-TIAM model should be made open or not at the 82 nd ExCo meeting.	All (Discussion under agenda item 6.4)
All ETSAP teams requested to read and send missing information in Annex XIV Final Report to Kathleen and George before 16. April 2021	All Kathleen received some feedbacks which were included in the final report.
Issues invoices for 2021 membership fees	Kari Linda has sent e-mails to all Contracting parties, but a few have not replied. She will follow up
Allocate funding and finalize approved research contracts	Kari The contracts have been sent but not all are signed.
Transfer updated 2020 balance of €19.464 to the 2021 budget	Kari Done, but the transferred amount was 150.000 € + 17.204€
Continue with ETSAP webinar series – encourage ExCo members to participate	George/Paul Going as planned. Next webinar is in September.
Arrange 82 nd ExCo meeting to take place on 17 June, at 12 noon CET (online)	George/Brian/Kari The ExCo-meeting was moved to June 18.
Arrange for Summer ETSAP WS to take place on 17-18 June (online), after the IEW 2021 (14-16 June)	George/Brian/Kari Organisation went smoothly, but the participation was lower than previous meetings. Participation discussed in 7.3.
Make decision on timing of Winter ExCo and Workshop at the 82 nd ExCo meeting.	All
Discuss and agree the use of the ETSAP logo	George/Brian/Kari and All Included in the agenda under 4.3.

4 IEA-ETSAP IMPLEMENTING AGREEMENT

4.1 *Communication from the Secretariat*

Uwe Remme gave a brief overview on recent activity in the IEA and showed a few slides (Attachment P2).

Recent IEA publications:

- Net Zero in 2050: A roadmap for the global energy sector
- Global Energy Review 2021
- Global EV outlook
- Hydrogen in North-Western Europe
- The role of critical materials in clean energy transitions
- World Energy Investment report
- Financing Clean Energy Transitions in Emerging and Developing Economies

Upcoming IEA reports:

- Tracking clean energy Progress
- Clean Energy Technology Guide
- Global Hydrogen Review
- Roadmap to net-zero emission in China

Ongoing initiative Today in the Lab – Tomorrow in Energy was initially technology oriented, but has been broadened to encompass more of the activities of the TCPs. The aim is to make the work of the TCPs visible for the outside world.

- Brian: ETSAP tried to find a project to submit, but did not manage to find one that met the criteria of “Today in the Lab – Tomorrow in Energy?”

Guidebooks for TCP: IEA are writing a new handbook to deepening the engagement with emerging economies and to strengthening collaboration across TCPs.

- Brian: ETSAP has not yet received any contact/emails from IEA regarding the guidebook for TCP

4.2 *New ETSAP Implementing Agreement - for sign off (attachment P3)*

The new Implementing Agreement incorporates the new IEA Framework for the Technology Collaboration Programme. The final changes made to the draft IA at the 81st ExCo meeting have been reviewed and cleared by the IEA legal adviser (K.C. Michaels).

The ExCo adopted the new final ETSAP Implementing Agreement text with no objections.

4.3 *ETSAP Participation and Outreach activities*

The ETSAP management team has focussed outreach efforts with existing ETSAP teams on countries that have recently joined or reengaged with ETSAP. The purpose is to explore how ETSAP can best support members in their modelling activities.

- USA: the management team had a constructive follow-up meeting with EIA (Angelina and James Turnure) in April and discussed a possible joint workshop with EMF at Stanford on challenges of modelling deep decarbonisation / zero-emission carbon goals. ExCo discussed this and approved progressing the idea of a joint workshop with EMF.
- Korea: ETSAP Management reached out to Korea to offer to arrange a meeting to explore how ETSAP can better support Korea but the meeting was deemed unnecessary.

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- Kazakhstan: The ETSAP Management team had a meeting to discuss reengagement in ETSAP with the TIMES modelling team in Kazakhstan (Department modelling, analysis and forecasting at JSC “Zhasyl Damy”).
- Azerbaijan: seems interested in TIMES (the Paris reinforce project). George will start to contact the Paris Reinforce team.
- Israel: Currently reviewing TIMES and other modelling tools.
- Latvia: ETSAP has a meeting next week with the university of Riga.
- Austria: The Austrian government have decided not to be a contracting party in ETSAP for 2021.

ETSAP engagement with other TCPs:

Energy storage TCP (Evangelos Panos):

- Joint Workshop with ETSAP – Open Sesame and Task 32 of Storage TCP is planned for the 9. September (3 pm to 7 pm).
- Next step: George will ask ExCo members to nominate participants for this WS. Storage TCP Task 32 has the full support from ETSAP on this collaboration.

Hydrogen TCP (Paul Dodds):

- Subtask under HIA task 41
- Working on a paper on hydrogen modelling.
- The hydrogen project of ETSAP will be finalized when the Hydrogen Sub Res for ETSAP-TIAM development is done.

Users TCP (Brian Ó Gallachóir):

- Early state of collaboration
- There is an interest with a collaboration with ETSAP, possibly having a common WS. The focus can be on the role of people and how users are represented in energy system models (energy behavior), the role of infrastructure and how infrastructure shape choices. Is it possible to move from least cost optimization to maximize welfare?

Kate Kolich: We are interested in these topics. There are also ongoing discussions with stranded assets, e.g., in gas networks.

Tom Kober: It is extremely interesting to link ABMs to energy system models.

Markus Blesl: Related to infrastructure, IER finds the topic interesting and can contribute with related research.

Bioenergy TCP (Brian Ó Gallachóir)

- Ongoing dialogue with Task 44.
- According to Tiina Koljonen, the TCP has included the collaboration with ETSAP in their plan.
- Action: Tiina will send an e-mail to Fabian to ask if there have been any actions from their side.

Tom Kober: It is interesting to reach out to explore collaboration with Fabian, for example on negative emissions from hydrogen production from bioenergy.

Combustion TCP (Tom Kober)

- ExCo agreed a WS would be useful to identify topics for collaboration with ETSAP. Tom will follow up with the TCP to investigate collaboration opportunities.

Industry TCP (Anna Krook-Riekkola)

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- Anna had dialogue with this TCP two weeks ago and will follow up with the TCP to investigate collaboration opportunities.

The discussion of the use of the ETSAP logo will be a topic on the agenda of the 83rd ExCo meeting. Exco members can send feedback on guidelines on the use of the logo to George before the meeting.

5. ANNEX XIV (2017-2019): UNDERSTANDING AND FACILITATING THE ENERGY TRANSITION TO ACHIEVE THE 'WELL BELOW 2°C' GOAL

5.1 Final report of Annex XIV (Attachment P4)

Kathleen Vaillancourt has provided the final report of Annex XIV and the set of slides. The final report is finished, but if something is critical is missing, it can be revised. The third part, combining references and applications, is almost done.

Writing the final report of an annex is time consuming, and it was suggested to start the writing process one year before the ongoing annex ends.

According to the new IA text, ETSAP needs to write an annual report. An idea could be to write annual reports that can be summarized to Annex reports. This will be an agenda item for the next ExCo-meeting.

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6.1 Status report from Operating Agent (Attachment P5)

The ETSAP OA summarised the status report that was distributed to ExCo members.

- Meetings with new potential partners, CP partners and other TCP.
- Four webinars have been arranged this spring. Some of the webinars have more participants than the ETSAP WS.
- Four trainings in VEDA TIMES. Next training will be in the end of August
- There are still some CPs that need to formalize the delegates and alternates to ETSAP ExCo. Kari will follow up.

All relevant documents (ExCo-meeting documents, economy overview, presentations, contracts) are uploaded at the ETSAP MS Teams Folder. If any ETSAP member have problem with access, or want to include others from their organisation, please contact the Operating Agent (kari.espegren@ife.no or linda.oro@ife.no).

6.2 Economy and budget (Attachment P6)

The OA informed the meeting that

- 1) Invoices for 2021 membership fees have being issued. Linda will follow up monthly.
- 2) Consultancy contracts for 2021 and research contracts (2020-budget) have been finalised and signed. All signed contacts are available in the Teams folder: Contracts.

We have not made contracts for the following:

- ETSAP news and publications
- Online support, proceedings
- User guide, Tutorials

The ExCo had a short discussion of how best to communicate ETSAP news:

The ExCo agreed we need to explore new communication approaches – e.g. to make better use of social media: LinkedIn, Twitter and others. This could be a task for a young researcher or an engaged group of members.

Action: George/ Kate will propose ways of promoting ETSAP that can be used as a basis for discussion on the next ExCo meeting.

The Operating Agent presented an overview of the budget and expenditure for 2020 and 2021. The transferred amount from 2020 to 2021 was 167.204 € (150.000 € + 17.204 €).

The economy for 2020 and budget 2021 in summary (numbers in €):

Balance	2020		2021		2022	
Income	Actual	1 134 319	Actual	114 900	Budget	0
Base activities - Budget (info only)	Revised Bud.	-496 460	Revised Bud.	-238 700	Revised Bud.	0
Base activities - Actual		-245 260		-34 220		0
Base activities - Actual Invoiced following year		-251 200		0		0
Base activities - Invoice not received		0		0		0
Coordinated Projects - Commitments from previous year		-311 555		-470 655		0
Coordinated Projects - Applications/Approved Applications	Approved	-159 100	Applications	0	Applications	0
Coordinated Projects - Actual		0		0		0
Balance		167 204		-389 975		0
Income transferred to next year	Actual	-637 859	Planned	0	Planned	0
Income transferred from previous year	Actual	0	Actual	637 859	Planned	0
Commitments transferred to next year	Show	470 655	Show	0	Hide	0
New Balance		0		247 884		0

6.3 Online VEDA - introduction and discussion

Amit demonstrated how the new VEDA online tool operates through an internet browser. Visualization is more powerful than local VEDA.

1. The ExCo concluded that a proposal be submitted to the next ExCo on how to utilise VEDA online together with the GAMS server project which is currently running.
2. ExCo-members can try the features of VEDA online.

Action: ExCo members that are interested in testing Online VEDA can contact Amit

6.4 ETSAP TIAM – Available as Open source

Can we make ETSAP-TIAM available as open source? We need to understand if we can it make it open before we will discuss if we want to make it open. The main issue seems to be related to the IPR of IEA for the energy balances which are used. Although some regions are aggregated and therefore there is no problem, some regions are countries, and this can be a potential issue for the IEA energy balances. Overall, the situation is more complex than paying a license for the energy balances.

Action: George/ Brian to discuss this further with the ETSAP-TIAM team in order to understand the options.

7. OTHER BUSINESS

7.1 Election of Executive Committee Chair and Vice-Chairs

The OA proposed the re-election of Brian Ó Gallachóir, Ireland as chair and Tiina Koljonen, Finland and Markus Blesl, Germany as vice-chairs. The ExCo re-elected all three (followed by applause).

7.2 Next ExCo meeting:

The ExCo agreed that the 83rd ExCo meeting will take place online at 19.00 CET. Date will be decided after a Doodle.

7.3 Successive meetings

The ExCo voted on having the winter meeting as a physical (in person) or a virtually meeting. 9 voted for in person, and 4 voted for online. Representatives from some countries will still not be allowed to travel in December. The ExCo agreed that the 84th ExCo meeting and the Winter workshop (date to be determined) will be arranged as a hybrid meeting where the physical meeting will take place at IFE in Norway, and online participation will be arranged.

7.4. Any Other Business

a) PhD session at ETSAP WS (Anna Krook-Riekkola)

Anna proposed to draft a suggestion/plan on how to involve PhD students in ETSAP workshops. CPs should contact Anna if they wish to contribute to this. Until now, Kate Kolich and Olexandr Balyk volunteered to contribute. The plan will be presented at the next ExCo meeting.

b) Update of TIMES starter model (Gary Goldstein)

Gary requested the funding of the update of the TIMES-starter model with new/updated technology data with the amount of 10 000 EUR which the ExCo can allocate without prior proposal submission. Until now 104 people have downloaded the starter model.

This will be an agenda item on the next meeting and Gary will send a formal note to ETSAP before the meeting justifying the request.

8. AGREED ACTIONS

Action List from 82 nd ExCo Meeting	Owner
If there is a delay in the meeting documents, the ExCo will be informed by e-mail.	Brian (ongoing)
Align ETSAP and IEA ExCo details and update IEA and ETSAP websites accordingly	Kari (ongoing)
Inform IEA Legal Office that the revised ETSAP Implementing Agreement text was approved at 82 nd ExCo	Brian/George/Kari
Support existing ExCo members (Korea, Japan and Kazakhstan), follow up with Israel and reach out to new potential contracting parties (Latvia, Brazil, Azerbaijan, African countries, and Saudi Arabia) to ETSAP	George/Brian/Kari (ongoing)
Invite other TCPs to our next workshops to have joint sessions and explore options for collaboration.	George / Kari (ongoing)
Continue to seek options for collaboration with other TCPs.	Brian/George /Kari/All (ongoing)
Propose new ways of promoting and communicating ETSAP news	George/ Kate will
Seek to coordinate with IEA on joint training workshops for IEA Association Countries	George / Uwe (ongoing).
Prepare a discussion note on ETSAP-TIAM model for the 83 rd ExCo meeting. Can it be made open or not?	Brian/George/ETSAP-TIAM team
Follow up on invoices for 2021 membership fees	Kari/Linda
Continue with ETSAP webinar series – encourage ExCo members to participate	George/Paul
Send Doodle for the 83 rd ExCo meeting (in September) 19:00 CET (online)	Kari

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Discuss and agree the use of the ETSAP logo	George/Brian/Kari and All
Proposal to involve PhD students in ETSAP workshops	Anna Krook-Riekkola and Kate Kolich
Write a note on update of TIMES starter model	Gary Goldstein
Suggestion for new ways of communication of ETSAP news. Agenda item for 83rd ExCo meeting.	George/Kate
ETSAP annual report. Prepare a discussion for next ExCo	Kari/Brian/George