

ETSAP - ENERGY TECHNOLOGY SYSTEMS ANALYSIS PROGRAMME

Implementing Agreement of the INTERNATIONAL ENERGY AGENCY ó IEA/AIE

*MINUTES OF THE 65th EXECUTIVE COMMITTEE MEETING
held on Tuesday, June 3 (14.00 – 17.00), 2014, at the
Xijiao Hotel, Beijing, China.*

Table 1: Participants

N.	Country	Contracting Party	Delegate	Attended	Stand-ins
1	Belgium	BELSPO	Ms. Anne FIERENS, Vice-chair	No	
2	Denmark	DEA	Mr. Aksel Laurids BECK	Yes	Mr. Kenneth Karlsson
3	EC	JRC Petten	Mr. Arnaud MERCIER	Yes	Mr. Christian Thiel
4	Finland	VTT/TEKES	Ms. Pia SALOKOSKI	No	
5	France	ADEME/EDMP/ DGEMPEDAD	Ms. Nadia MAIZI	Yes	
6	Germany	IER	Mr. Alfred VOSS, Vice-chair	Yes	Mr. Markus Blesl
7	Greece	CRES	Mr. George GIANNAKIDIS, OA	Yes	
8	Italy	ENEA	Ms. Maria Rosa VIRDIS	Yes	Mr. George Giannakidis
9	Ireland	SEAI	Mr. Brian Ó GALLACHÓIR, Chair	Yes	
10	Japan	Government		No	
11	Korea	KEMCO	Mr. Kim Hoi Cheol	Yes	Mr. Hong Souk, Shim
12	Netherlands	ECN	Mr. Tom KOBER	Yes	
13	Norway	IFE	Ms. Kari Aamodt ESPEGREN	Yes	
14	Russian Fed.	ERI-RAS	Mr. Sergey FILIPPOV	No	
15	Spain	CIEMAT	Ms. Helena CABAL	Yes	Ms. Nadia Maizi
16	Sweden	STEM	Mr. Klaus HAMMES	Yes	Ms. Erik Ahlgren
17	Switzerland	PSI	Mr. Hal TURTON	Yes	Mr. Vangelis Panos
18	UK	DECC	Mr. Jonathan Roberts	Yes	Mr. Steve Pye
19	US	DOE	Mr. Carmine DI FIGLIO	No	

Officers:

Mr. Uwe Remme,	IEA, Desk Officer
Mr. Amit Kanudia	ETSAP, VEDA Developer, KANORS-EMR, India
Mr. Gary Goldstein	ETSAP, Liaison Officer, GAMS, MARKAL, DWI, US
Mr. Maurizio Gargiulo	ETSAP, TIMES training, E4SMA, Italy

Guests:

Mr. Mariano Marazzo	ENEL Foundation, Italy	Ms. Asami Miketa	IRENA.
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Table 2: Agenda

No.	ITEM	DOCS
1	Quorum Count	
2	Adoption of the agenda	
3	For the record	
3.1	<i>Minutes of the 64th Executive Committee</i>	<i>A1</i>
3.2	<i>Results of the Written Procedures</i>	<i>A2</i>
4	IEA-ETSAP Implementing Agreement	
4.1	<i>Communication from the Secretariat</i>	<i>A3</i>
4.2	<i>ETSAP Participation</i>	<i>A4</i>
4.3	<i>Collaboration with IRENA</i>	<i>A5</i>
4.4	<i>Participation in the Climate Change Platform</i>	
4.5	<i>Publication of ETSAP's results</i>	<i>A6</i>
4.6	<i>IPR issues</i>	<i>A7</i>
4.7	<i>ETSAP new logo and website</i>	<i>A8</i>
5	Annex XII (2011-2013): Policy Analysis Tools for Global Sustainability (PAT-SUS)	
5.1	<i>Budget report for 2013</i>	<i>A9</i>
5.2	<i>Progress of current projects and ETSAP tools</i>	<i>A10</i>
6	Annex XIII (2014-2016): Tools for Analysis of a Future Energy Revolution	
6.1	<i>2014 Program of Work and budget: Updates, New projects</i>	<i>A11, A12, A13</i>
6.2	<i>Sponsorship of the "Energy Systems Conference"</i>	
7	Other business	
7.1	<i>Election of a Chairperson.</i>	
7.2	<i>Next workshop and ExCo meeting: Copenhagen, 17-21 November 2014.</i>	
7.3	<i>Successive meetings.</i>	
7.4	<i>Others.</i>	

Attachments

<i>A1</i>	<i>Minutes of the 64th ExCo meeting, held in Seoul Tuesday, November 5th, 2014</i>
<i>A2</i>	<i>Results of the Written procedure</i>
<i>A3</i>	<i>Communication from the Secretariat</i>
<i>A4</i>	<i>ETSAP Participation</i>
<i>A5</i>	<i>Collaboration with IRENA</i>
<i>A4</i>	<i>Publication of ETSAP's results</i>
<i>A5</i>	<i>IPR issues</i>
<i>A6</i>	<i>ETSAP new logo and website</i>
<i>A7</i>	<i>Annex XII Budget report for 2013</i>
<i>A8</i>	<i>Progress of current projects and ETSAP tools</i>
<i>A9</i>	<i>Annex XIII Budget update</i>
<i>A10</i>	<i>New project proposals</i>
<i>A11</i>	<i>Annex XIII Budget</i>
<i>A12</i>	<i>Project Proposals</i>
<i>A13</i>	<i>Ranking of Project Proposals</i>

ANNEX XIII: Tools for Analysis of a Future Energy Revolution

Opening

The Chair, Mr. Brian Ó Gallachóir, opened the meeting at 14:00. The Chair sent the best wishes of the ExCo for a quick recovery to Mr. Giancarlo Tosato who could not participate in the meeting due to health problems. The Chair thanked ERI for organising the ETSAP workshop and ExCo meeting.

1. Quorum Count

ETSAP has nineteen Contracting Parties (CP), the quorum is ten. Five delegates attended in person and nine CP through their stand-ins (see above, Table 1). A quorum was present.

2. Adoption of the agenda

The Chair presented the agenda of the Executive Committee (ExCo) meeting. The Chair added two matters that arisen after the distribution of the agenda 1) Collaboration with IRENA and 2) ETSAP participation in the Climate-Smart Planning Platform of the World Bank. The Agenda was adopted with the addition of these two topics under point 4.

3. For the record

3.1 Minutes of the 64th Executive Committee – for the record (Attachment A1)

The minutes of the 64th Executive Committee meeting (on Nov 5th 2013 in Seoul) were distributed to the CPs after the meeting, no comments were received and the final version was adopted in January 2014.

3.2 Results of Written Procedures (Attachment A2)

A written procedure was distributed on 17th March 2014 proposing two resolutions. The first was a request to allocate €100,000 in 2014 for drafting the new Documentation for the TIMES Model Generator. The second was to allocate €50,000 in 2014 for drafting Parts I and II of the new Documentation for the TIMES Model Generator, and €50,000 in 2015 for drafting Parts III, IV and V of the new Documentation for the TIMES Model Generator. The quorum of 10 participants was not reached therefore no decision was taken.

A written procedure was distributed on 7th April 2014 proposing to invite ENEL Foundation to join the Energy Technology Systems Analysis Programme Implementing Agreement (ETSAP-IA) as a Sponsor. This decision requires unanimity, which was not achieved, hence the resolution was not accepted by written procedure.

4. IEA-ETSAP Implementing Agreement

4.1 Communication from the Secretariat (Attachment A3)

Mr. Remme informed the delegates about the 67th IEA CERT meeting, held in February. The Chair presented ETSAP's work at this meeting and CERT delegates confirmed the usefulness of ETSAP's work. Mr. Remme also informed the delegates that the Secretariat will advertise the position of legal adviser, funded by the IEA, in order to replace Ms LeChartier. Finally he presented the latest activities and publications of the IEA.

4.2 Participation in ETSAP (Attachment A4)

The Chair informed the delegates that ENEL Foundation expressed an interest to participate as a sponsor in ETSAP. The Chair invited Dr M. Morazzo from ENEL Foundation to present to the delegates on the Foundation's activities, interest in ETSAP tools and in contributing to and participation in ETSAP. Mr Remme informed the delegates that there are Sponsors in many other IA of the IEA.

The Executive Committee unanimously resolved to invite ENEL Foundation to join the Energy Technology Systems Analysis Program Implementing Agreement as a Sponsor.

The Executive Committee further resolved by unanimity:

- (1) to invite ENEL Foundation to join the Energy Technology Systems Analysis Program Implementing Agreement on the following terms:

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1. ENEL Foundation will have equal obligations to, but no greater rights or benefits than Contracting Parties from OECD non-member countries.
2. In accordance with the Framework, no representative of ENEL Foundation will be able to be Chair or Vice-Chair of the Executive Committee.
3. ENEL Foundation will pay an annual fee of €35,000 for the first year, €30,000 for the second year, with an interest to continue the collaboration in the following years.
4. The participation by the Sponsor will be for two years, renewable annually with an exchange of letters.
5. ENEL Foundation will have a full single vote in the Executive Committee, equal to that of a Contracting Party on matters pertaining to the Programme of Work of ETSAP. This will enable ENEL Foundation to make proposals for the work programme, participate in the voting on all topics excepting those items defined in item (7) below.
6. No representative of ENEL Foundation will be able to vote on the accession of new Sponsors or Contracting Parties or on the ejection of existing Sponsors or Contracting Parties.
7. ENEL Foundation cannot block an otherwise unanimous vote.
8. That Articles [1-11], excluding Art. 9a of the Implementing Agreement text apply equally to ENEL Foundation as to Contracting Parties
9. If ENEL Foundation decides to withdraw from ETSAP, ENEL Foundation will not have permission to continue to use the ETSAP-TIAM global multi-regional model.

- (2) That the ExCo Chair will expedite the formal procedures of membership on behalf of the Executive Committee.

The Executive Committee unanimously also invited the following countries to join ETSAP: Turkey, China, India, Mexico, South Africa, Brazil, Australia, Austria, Indonesia, Kazakhstan, Portugal, Croatia, Ukraine, Mexico, Czech Rep., and Singapore.

The Executive Committee decided to defer the decision of considering the withdrawal of the Russian Federation and Japan to the next ExCo meeting.

The Executive Committee decided unanimously to agree to the withdrawal of CNR/IMAA from ETSAP. Italy will be represented in ETSAP only by ENEA.

4.3 Collaboration with IRENA (Attachment A5)

The Chair started the discussion by summarising the collaboration between IRENA and IEA-ETSAP since the 63rd ETSAP meeting (which IRENA attended) and informing delegates of a recent teleconference with IRENA staff to discuss possible future collaborations with ETSAP partners. This discussion happened after the agenda was distributed and the main topics were presented in Attachment A5 Ms Asami Miketa from IRENA summarised some points she raised during the ETSAP workshop and pointed to a number of interesting points regarding possible future collaboration between IRENA and ETSAP members that warranted further discussion. She indicated that IRENA would like to continue the collaboration that started in REMAP and analyse in more detail certain issues that arose. The delegates felt that the initial REMAP exercise (which was done quickly) did provide a basis for a more detailed analysis that should be done in the future. The Chair summarised the different options and views expressed, namely that ETSAP and IRENA could collaborate without funding or with funding, the latter dependent on IRENA's ability to secure funding. The Chair suggested that the delegates reflect on what was discussed and come with a more concrete proposal for the next meeting of the ExCo.

4.4 ETSAP participation in the Climate-Smart Planning Platform of the World Bank

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The Chair requested views from the delegates on the level of involvement that ETSAP should have in the Climate-Smart Planning Platform. The delegates agreed on ETSAP involvement in the platform (increasing ETSAP visibility) but at a minimum level in terms of time and budgetary investment, at least for moment. Mr. Goldstein, the ETSAP Liaison Officer is to continue this low level involvement and assessment of the benefits to ETSAP, and associated likely level of effort required, preparing a briefing report (and possible work plan proposal) by the next ExCo.

4.5 Publication of ETSAP's results (Attachment A6)

The Chair proposed that delegates approve the proposed publication of the book "Informing energy and climate policies using energy system models" submitted to Springer, under the ETSAP name. He explained that using the ETSAP name on publications requires approval by the ExCo in accordance with the decision of the 64th ExCo meeting. The delegates approved the use of ETSAP name for the publication of the book if it is accepted by Springer.

4.6 IPR issues (Attachment A7)

The O.A. presented the request by Carbon Credits Research & Surveillance Agency Limited (CCRSA) for permission to use the energy technology Data Sheet on CO₂ Capture & Storage in their online library. The delegates approved granting permission to CCRSA to use the document, on condition that they also provide the related link to the ETSAP website.

The O.A. presented the request by UCL to amend the term on IPRs (from the standard contract that is used for ETSAP funded projects by CRES) for the research project approved on the RES visualisation. Mr Pye explained that the rationale behind the request was that the software was initially developed using UCL funding and the ETSAP funding would pay for the generalization and not the fundamental software development. Mr. Karlsson questioned what would happen if the tool was not working with updated version of the model. Mr. Thiel expressed hesitation in accepting the proposal since the spirit of ETSAP is to share the IPR of jointly funded projects. The differentiation between "background knowledge" and development under the current contract will have to be clearly defined. Mr Pye suggested that a maintenance agreement could be added to allow the software to be supported and continuously used with ETSAP tools. The Chair suggested to defer the subject to the next meeting so that UCL can provide to the delegates additional information on the "background knowledge" involved in the software.

4.7 ETSAP new logo and website (Attachment A8)

The O.A. presented to the delegates the proposals for the new logo and website layout. The delegates approved the first concept to be used in the next version of ETSAP's website.

5. Annex XII (2011-2013): Policy Analysis Tools for Global Sustainability (PAT-SUS)

5.1 Budget report for 2013 (Attachment A9)

The O.A. presented the total income of ETSAP for 2013, comprising the fees of 17 paying contracting parties and the fees of the training courses, and the total expenses that took place in 2013 (Attachment A9). The O.A. also presented the contracts commissioned in 2014 according to the project ranking decided during the 63rd ExCo meeting in Paris and the payments made in 2013.

According to the decision of the 61st ExCo meeting (point 4.3), the report of the accounting system of the O.A. will replace the report of external auditors for the annual accounts of ETSAP. The delegates approved in unanimity the annual accounts for 2013 submitted by the O.A. (Attachment A9).

5.2 Progress of current projects and ETSAP tools (Attachment A10)

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The O.A presented the progress of the currently funded projects by ETSAP and the newly commissioned projects (details in Attachment A10). Most of the pending projects have delivered and the results are presented on the ETSAP website.

6. Annex XIII (2014-2016): Tools for Analysis of a Future Energy Revolution

6.1 2014 Program of Work and budget: Updates, New projects (*Attachments A11, A12, A13*)

The O.A. presented the income for 2014, which consisted of four fees from participants and the participation fees for the training in Beijing (Attachment A11). The O.A. presented the contracts issued that were approved in the 64th ExCo for the standard items in the budget. The fees received so far cover the operating costs of ETSAP. The O.A. presented the new proposals for projects to be funded for the next year by ETSAP (Attachment A12). The additional item for funding the participation of ETSAP in the Climate-Smart Planning Platform discussed in point 4.4 was included to the list for funding. Mr Goldstein indicated that a budget of €5,000 would be required to cover a basic level of engagement this year. This would cover the submission of selected product registrations forms for ETSAP to be made available via the Climate-Smart Planning Platform, along with the preparation of a briefing note for the next ExCo.

The Chair reminded the delegates that there was a discussion in the 64th ExCo in Seoul whether project proposals related to the tools and documentation should be rated separately from the proposals for joined research projects or not. The delegates decided to rank the proposals together. The delegates voted for the projects to be funded in the next year and the rating is presented in Attachment A13.

The delegates approved the funding of the projects in the following order provided that funding is available through the participation fees:

1. Documentation of the TIMES Model Generator ó Phase I: €52,500
2. Preparation of a book gathering applications/developments by the ETSAP community: €4,000
3. Modelling behaviour in TIMES and E4 models ó State of the Art Workshop and Review: €12,000
4. Documentation for the TIMES Model Generator Phase II: €47,500
5. Introducing Electricity Dispatchability Features in TIMES Modelling Framework: €30,000
6. TIAM-MSA Phase 2a ó Integrating Mitigation & Adaptation in Energy Systems Models: €47,000
7. Excel-based sets definition management for VEDA BE and VEDA FE: €20,000
8. Automatic creation of step-wise linearized Supply Curves: €15,000
9. TIAM-MSA Phase 2b ó Beyond the Simple Production Function in MSA: €36,000
10. Formulation of TIMES-MACRO in Mixed Complementarity: €56,000
11. Capitalization and exchange platform: €90,000

The delegates also approved the allocation of €5,000 to Mr. Goldstein (Decisionware Inc) for the inclusion of ETSAP in the Climate-Smart Planning Platform of the World Bank.

6.2 Sponsorship of the “Energy Systems Conference”

The O.A. informed the delegates that the Energy Systems Conference could be an interesting forum for ETSAP to participate and perhaps sponsor in the future. The delegates agreed to follow the development of the conference and decide in the next meeting after the conference which was held on 24-25 June 2014.

7. Other business

7.1 Election of a Chairperson.

The O.A. assumed the Chair in order to proceed with the election of the Chairperson for the next twelve months. Mr. Thiel proposed to confirm for the next year Mr. Ó Gallachóir as the Chairperson and the two Deputy-Chairpersons Ms. Fierens and Prof. Voss. Mr Blesl pointed out that Prof. Voss would retire in the course of the next year. The O.A. proposed Mr. Blesl for the position of the Vice Chair.

The delegates agreed in unanimity and Mr. Ó Gallachóir was confirmed as a chair for next year. Mr. Blesl and Ms. Fierens were voted as deputy-chairpersons. Mr. Ó Gallachóir assumed the chair.

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7.2 *Next workshop and ExCo meeting: Copenhagen, 17-21 November 2014.*

The next workshop and ExCo meeting will be held in Copenhagen hosted by DTU during 17-21 November 2014.

7.3 *Successive meetings*

The summer 2015 meeting will be back to back with the next IEW workshop which will be held in Abu Dhabi in June 2015. The exact date is yet to be announced. For the fall 2015 Ms Maizi offered to host the meeting in Sophia Antipolis.

The Chair closed the meeting at 17:30, thanking ERI for hosting the workshop.