

74RD SEMI-ANNUAL ETSAP MEETING

Organised by IER Stuttgart University,
Draft Program (as of 12 September 2018)

Dates: 5th – 9th November 2018
Venue: IER Stuttgart University, Germany.
Contacts: Kenneth Karlsson, [keka@etsap.org], +45 2132 8733

MONDAY 5TH - TUESDAY 6TH NOVEMBER 2018 (9:00-17:30)

VEDA Advanced training

Room: E01+E02, Hessvbrühlstr.49a, 70565 Stuttgart, IER

WEDNESDAY 7TH NOVEMBER 2018 (9:00-17:00)

ETSAP Regular Workshop day 1

*campus.guest, Universitätstraße 34, 70569 Stuttgart, Room 168 & 169
Topics: German energy system modelling, ...*

THURSDAY 8TH NOVEMBER 2018 (9:00-14:00)

ETSAP Regular Workshop day 2

*campus.guest, Universitätstraße 34, 70569 Stuttgart, Room 168 & 169
Topics:*

THURSDAY AFTERNOON 8TH NOVEMBER 2018 (14:00-18:00)

ETSAP Executive Committee

*campus.guest, Universitätstraße 34, 70569 Stuttgart, Room 168 & 169
(Participation restricted to ETSAP Delegates, officers, and invited experts)
Agenda and attachments are sent separately*

FRIDAY 9TH NOVEMBER 2018 (9:00-16:00)

ETSAP Regular Workshop day 3

Room: campus.guest, Universitätstraße 34, 70569 Stuttgart, Room 168 & 169

*Morning: ETSAP-TIAM,
Afternoon: IRENA CEM session*

WEDNESDAY 7TH NOVEMBER 2018 - FRIDAY 9TH NOVEMBER 2018

(9:00-17:00)

TIMES Training sessions

campus.guest, Universitätstraße 34, 70569 Stuttgart, Room 122

Wednesday 7th November 2018 Regular ETSAP Workshop

8:30-9:00
Registration

9:00-9:30
Welcome Address

Energy Research at the IER
Markus Blesl, IER, Germany

9:30-10:00
Keynote

Energy Research Program of the German Government
Jens Winkler, BMWi, Germany

10:00-10:50
Session 1: Decentral systems
Chair: Dr. Anna Krook-Reikkola

Actors' behaviour analysis in a decentralised energy system: Overview of TIMES-Actors Model and the German supply sector
Ali Tash

Actors' behaviour analysis in a decentralised energy system: The case of the transport provider, household and industrial sectors in Germany
Dr. Mohammad Ahanchian, Isela Bailey, Audrey Dobbins

10:50-11:15
Coffee Break

11:15-12:45
Session 2: Decarbonising the transport sector
Chair: PD Dr. Markus Blesl

Modelling transport modal shift in TIMES models through elasticities of substitution
Raffaele Salvucci

Implication of transport policies when meeting Swedish climate goals
Dr. Anna Krook Riekkola and Dr. Åsa Lindman

Analysis of different sector coupling paths for CO₂ mitigation in the German transport sector
Felix Kattelmann

Integrated Transport and Energy Modelling
Kari Aamodt Espegren

12:45-13:45

Lunch Break (at Campus guest)

13:45-15:15

Session 3: Modelling frameworks

Chair: Prof. Valentin Bertsch

The Spine project – Open source toolbox for modelling integrated energy systems
Steffen Kaminski

Exploring the uncertainty of BECCS in the future low-carbon energy system in the UK
Dr. Li Pei-Hao

Integrating probabilistic assessment of security of electricity supply into long-term energy planning exercises: an automated-data-linking modeling approach.
Yacine Alimou

Impacts of scenario definitions on CO2 mitigation cost in energy system models
Lukasz Brodecki

15:15-15:45

Coffee break

15:45-17:00

Session 4: TIMES Applications and Developments

Chair: Dr. Tamaryn Napp

Drivers for H2 deployment in medium and short-term in the Portuguese energy system
Olfa Tilili

Grid Expansion under high VRE share using Grid-featured Japan TIMES model
Dr. Hiroshi Hamasaki

Thursday 8th November 2018

8:30-9:00

Registration

9:00-10:30 **ETSAP Proposal Presentations (ca. 10 minutes each)**

Chair: Dr. Kenneth Karlsson

- Advancing the VEDA TIMES-Starter Platform for New Users
- ETSAP VEDA-TIMES Advanced DEMO Models Extension
- Modelling of hydrogen & Joint workshops with Hydrogen TCP
- Expanding energy modelling towards Sustainable Development Goals (EM4SDG)
- Excel technology database for energy system models integrated with a TIMESSubRES
- Summer School on Prospective Modeling and Energy Transitions using TIMES (SPETT)

10:30-10:45

Coffee Break

10:45 -13:00

Session 5: Improved outreach and supporting users

Chair: Prof. Brian O'Gallachoir

Inspirational presentations:

Participatory engagement of stakeholders with energy models

Prof. Russel McKenna

Visualization tool of pathways to a deep de-carbonized energy system for dialogues with decision makers

Mikkel Bosack Simonsen

Introduction by ETSAP coordinators and users

Supporting users: Kenneth, comment: Luke Reedman

Improved outreach: George, comment: new users

Facilitated discussion in groups

13:00-14:00

Lunch (at the Mensa Restaurant)

14:00-18:00

ExCo Meeting

Friday 9th November 2018

8:30-9:00
Registration

9:00-10:30
Session 6: ETSAP IRENA CEM collaboration
Chair: Prof. Brian O'Gallachoir

Mission Innovation – Context

IEA ETSAP – Current model limitations
Uwe Remme, Alessia Elia

10:30-11:00
Coffee Break

11:00-12:30
IRENA and IEA – Understanding Innovation
Michael Taylor

Limits of 1-factor learning curves for modelling innovation
Dr. Fionn Rogan

12:30-13:30
Lunch

13:30-14:30
Session 5: TIAM Workshop
Chair: Russel McKenna

Visions for ETSAP-TIAM
Kenneth Karlsson, DTU, Denmark

CCS in IAM climate stabilisation scenarios – Exploring the sensitivity to CCS capture rates
in ETSAP-TIAM
Dr. James Glynn

More tba

14:30-15:00
Coffee Break