

72TH SEMI-ANNUAL ETSAP MEETING

Organised by Paul Scherrer Institute and ETH Zürich, Switzerland

Dates: 11th – 12th December 2017
Venue: ETH Zürich Zentrum campus, Rämistrasse 101, 8092 Zurich, Switzerland
Contacts: Kenneth Karlsson [keka@etsap.org], +45 2132 8733,
Tom Kober, [tom.kober@psi.ch], +41 56 310 2631

MONDAY 11TH DECEMBER 2017 (8:30-18:00)

ETSAP Regular Workshop

*ETH Zürich
Zürich, Switzerland
Building ML, Room H 37.1*

TUESDAY 12TH DECEMBER 2017 (9:00-13:00)

ETSAP Regular Workshop

*ETH Zürich
Zürich, Switzerland
Building MM, Room C 78.1*

TUESDAY AFTERNOON 12TH DECEMBER 2017 (14:00-18:00)

ETSAP Executive Committee

*ETH Zürich
Zürich, Switzerland
Building CLA, Room J 1*

*(Participation restricted to ETSAP Delegates, officers, and invited experts)
Agenda and attachments are sent separately*

WENDESDAY 13TH DECEMBER 2017 - FRIDAY 15TH DECEMBER 2017

(9:00-17:00)

TIMES Training sessions

*ETH Zürich
Zürich, Switzerland
Main Building HG F 26.1*

WENDESDAY 13TH DECEMBER 2017 (9:00-17:00)

Workshop on Integrated Water-Energy Modelling

*ETH Zürich
Zürich, Switzerland
Main Building XXXX*

MONDAY 11TH DECEMBER 2017 (8:30-18:00)

REGULAR ETSAP WORKSHOP

Venue: [Building ML, Room H 37.1](#), ETH Zürich, Switzerland
 Contacts: Kenneth Karlsson [keka@etsap.org], +45 2132 8733
 Tom Kober, [tom.kober@psi.ch], +41 56 310 2631

8:30- 9:00 REGISTRATION

9:00- 9:30 WELCOME ADDRESS

Alexander Wokaun, Paul Scherrer Institute

9:30- 10:00 KEYNOTE

Energieforschung und Energiestrategie 2050 der Schweiz

Rolf Schmitz, Head of Department for Energy Research, Swiss Federal Office of Energy

10:00-11:00 **SESSION 1: TIMES APPLICATIONS ON HIGH SHARES OF RES**

Chair: George Giannakidis

Integration of Renewables in Swiss Energy System

Evangelos Panos, Paul Scherrer Institute, Switzerland

Grid Features in the TIMES-based Japan Model

Hiroshi Hamasaki, Fujitsu Research Institute, Japan

Linkage of TIMES with Power Dispatch Models and Network Optimization

Amalia Pizarro, Technical University of Denmark, Denmark

11:00-11:30 COFFEE BREAK

11:30-12:40 **IEA-TCP BIOENERGY SESSION**

IEA Bioenergy

Lr. Luc Pelkmans, Technical coordinator, IEA Bioenergy

Overview of Swiss activities in the IEA-TCP Bioenergy

Sandra Hermle, Forschungsprogramm Bioenergie, Swiss Federal Office of Energy

Overview of Bioenergy Scenarios in TIMES modelling @ UCC

Brian Ó Gallachóir, MaREI Centre, Environmental Research Institute, University College Cork

12:40-13:00 **TIMES MODELLING IN UKRAINE**

Economic Assessment of Low-Emission Development Scenarios for Ukraine

Maksym Chepeliev, Purdue Univ., USA, Oleksandr Diachuk, Roman Podolets, NASU, Kyiv, Ukraine.

13:00-14:00 LUNCH

14:00-15:40 **SESSION 2: TIMES PROJECTS AND APPLICATIONS**

Chair: Brian O' Gallachoir

Update on Australian TIMES Model Development

Luke Reedman, CSIRO, Australia

Fossil Fuel Production Scenarios under Carbon Budget and Equity Considerations

Steve Pye, University College London, United Kingdom

Results of the Workshop on Sustainability Performance of the Energy Systems

Helena Cabal and Kari Espegren, CIEMAT and Institute for Energy Technology (IFE)

Effect of Climate Change on Heating Demand and Supply in Denmark

Stefan Petrovic, Technical University of Denmark, Denmark

The Return of H₂ – Challenges of Modelling H₂ in TIMES

Sofia Simoes, NOVA University of Lisbon, Portugal

15:40-16:00 COFFEE BREAK

16:00-16:40 **SESSION 3: TIMES DEVELOPMENTS**

Chair: Kenneth Karlsson

Working with TIMES and Monte Carlo in a Policy Setting

Kristoffer Steen Andersen, Technical University of Denmark, Denmark

Enhancing and Preparing TIMES for High Performance Computing

Tarun Sharma, University College Cork, Ireland. Evangelos Panos, PSI, Switzerland.

16:40-18:00 ETSAP PROPOSAL PRESENTATIONS (CA. 10 MINUTES EACH)

TUESDAY 12TH DECEMBER 2017 (9:00-13:00)

REGULAR ETSAP WORKSHOP

Venue: [Building MM, Room C 78.1](#), ETH Zürich
Zurich, Switzerland

Contacts: Tom Kober, [tom.kober@psi.ch], +41 56 310 2631

9:00-10:30 SESSION 1: DECARBONISING THE TRANSPORT SECTOR I

Chair: Tom Kober

Cooperation partner: The Swiss Competence Center for Energy Research – Efficient Technologies and Systems for Mobility (SCCER-Mobility)

Opening: SCCER-Mobility

Konstantinos Boulouchos, ETH Zürich, Switzerland

Impulse Presentation: Electromobility from Industry Viewpoint

TBD

Assessment of technologies to decarbonize the transport sector

Christian Bauer, PSI, Switzerland

Will Finland be a Forerunner in Decarbonizing the Transport Sector?

Tiina Koljionen, VTT Technical Research Center of Finland Ltd., Finland

10:30-11:00 COFFEE BREAK

11:00-12:40 SESSION 2: DECARBONISING THE TRANSPORT SECTOR II

Chair: Stefan Petrovic

Modelling Urban Transports in a City Energy System Model

Anna Krook-Reikkola, Luleå University of Technology, Sweden

Can the Multimodal Real Time Information Systems Induce a More Sustainable Mobility?

José Veiga Simaõ, SUPSI, Switzerland

V2G: Measuring Electric Vehicle Drivers' Willingness to Co-create Flexibility for Smart Grid

Merla Kubli, University of St. Gallen, Switzerland

Development of Transport Scenarios for Denmark: An Iterative and Participatory Perspective

Giada Venturini, Technical University of Denmark, Denmark

An Agent-based Methodological Approach for Modelling Travellers' Behaviour on Modal

Choice: The Case of Inland Transport in Denmark

Mohammad Ahanchian, Technical University of Denmark, Denmark

12:40-14:00 LUNCH BREAK

14:00-18:00 EXECUTIVE COMMITTEE MEETING

Executive Committee Meeting (invitation only)

[Building CLA](#), Room J1

14:00-18:00 VISIT TO PAUL SCHERRER INSTITUTE