

73RD SEMI-ANNUAL ETSAP MEETING

Organised by Chalmers University,
Draft Program (as of 25 May 2018)

Dates: 17th – 21st June 2018
Venue: Chalmers University of Technology, Gothenburg, Sweden.
Contacts: Kenneth Karlsson, [keka@etsap.org], +45 2132 8733

SUNDAY 17TH JUNE 2018 (9:00-17:30)

ETSAP Regular Workshop

Chalmers House/ Chalmersska Huset, Södra Hamngatan 11, 411 14, Gothenburg, Sweden

MONDAY 18TH JUNE 2018 (8:30-13:00)

ETSAP Regular Workshop

Chalmers House/ Chalmersska Huset, Södra Hamngatan 11, 411 14, Gothenburg, Sweden

MONDAY AFTERNOON 18TH JUNE 2018 (14:00-18:00)

ETSAP Executive Committee

*Chalmers House/ Chalmersska Huset, Södra Hamngatan 11, 411 14, Gothenburg, Sweden
(Participation restricted to ETSAP Delegates, officers, and invited experts)
Agenda and attachments are sent separately*

TUESDAY 19TH JUNE 2018 - THURSDAY 21TH JUNE 2018 (9:00-17:00)

TIMES Training sessions

OOTO, Sven Hultins Plats 1-2, 412 58, Gothenburg, Sweden

TUESDAY 19TH JUNE 2018 - THURSDAY 21TH JUNE 2018

International Energy Workshop 2018

*Chalmers University of Technology, Gothenburg
More details available at: <http://www.internationalenergyworkshop.org/meetings-11.html>*

SUNDAY 17TH JUNE 2018

REGULAR ETSAP WORKSHOP

Venue: Chalmers House/ Chalmersska Huset, Södra Hamngatan 11, 411 14, Gothenburg
 Contacts: Kenneth Karlsson, [keka@dtu.dk], +45 2132 8733

9:00-10:30 SESSION 1: MODELLING THE ENERGY TRANSITION

Chair: George Giannakidis

Energy Transition in Belgium: Choices and Costs

Larissa P. N. de Oliveira, VITO/EnergyVille, Belgium

Pathways to net carbon neutrality for the Nordic countries

Giada Venturini, Technical University of Denmark

Role of Power-to-heat in the energy system of Europe

Markus Blesl, IER, Germany

Engaging Danish Politicians in Modelling Future Scenarios

Kenneth Karlsson, Technical University of Denmark

10:30-11:00 COFFEE BREAK

11:00-12:30 SESSION 2: MITIGATION SCENARIOS FOR ASIA AND AUSTRALIA

Chair: Kenneth Karlsson

China's Non-CO2 Greenhouse Gas Emissions: Future Trajectories and Mitigation Options and Potential

Jiang Lin, Lawrence Berkeley National Laboratory, USA

The Vulnerability of Climate Change in Indonesia to Renewable Energy.

Mahmud Mahmud, LAPAN, Indonesia

Towards Zero Carbon Scenarios: Application of an Australian TIMES model

Luke Reedman, CSIRO, Australia

Presentation on Pilot India TIMES Model with focus on Power sector

Aman Agrawal, The Energy and Resource Institute, India

12:30-15:30 SESSION 3: METHODOLOGICAL ISSUES (LUNCH BREAK IN THE MIDDLE)

Chair: Markus Blesl

New features on VEDA (short term upgrades)

Amit Kanudia, Kanors, India

VEDA TIMES-Starter Model Platform

Gary Goldstein, DecisionWare, USA

13:00-14:00 LUNCH BREAK

Migrating TIMES to another modelling language - approaches, issues and problems.

A. Lehtilla (VTT), T. Sharma (UCC), O. Balyk (DTU), G. Giannakidis (ETSAP), M. Gargiulo (E4SMA)

Improvements to the representation of technology's retirement profile – The case of the Danish car stock

Jacopo Tattini, Technical University of Denmark (DTU), Denmark

Bi-directional linkage of TIMES-Norway and a power system model

Pernille Seljom, Institute for Energy Technology (IFE), Norway

Improving the solution time of TIMES by playing with CPLEX/Barrier

Evangelos Panos, PSI, Switzerland

15:30-16:00 COFFEE BREAK

16:00-17:45 SESSION 4: MODEL APPLICATIONS

Chair: Pieter Lodewijks

The Effect of Policy-induced Eco-innovation on Business Competitiveness: Evidence on the Porter Hypothesis

Abdelfeteh Bitat, Université Saint-Louis Bruxelles, Belgium

Addressing demand uncertainty in long-term planning models

Tim Mertens, EnergyVille, Belgium

Integrating TIMES and life cycle assessment models
Miguel Fernandez Astudillo, Sherbrooke University, Canada

Development of a TIMES model for the Walloon Region (Belgium): Results and challenges
Marco Orsini, ICEDD, Belgium

TIMES and prospective modelling for urban planning
Matthieu Denoux, MINES ParisTech (CMA), France

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8:30-10:00 SESSION 5: POWER TO X

Chair: Brian O'Gallachoir

Task 38 of the Hydrogen TCP: a Task dedicated to the study of P2X pathways
Christine Mansilla, CEA, France

Electrofuels for the transport sector: A review of production costs
Selma Brynolf, Chalmers University, Sweden

What future for electrofuels?
Mariliis Lehtveer, Chalmers University, Sweden

The role of PtX in meeting the 2 and well below 2 degrees C mitigation targets
Tiina Koljonen, VTT, Finland

Discussion on collaboration between ETSAP and Hydrogen TCP

10:00-10:30 COFFEE BREAK

10:30-12:00 SESSION 6: GLOBAL APPLICATIONS

Chair: Luke Reedman

Connecting the gaps: Energy demand projections and the disparity between existing NDCs and keeping global warming below 2°C
Luis Fazendeiro, Centre for Environmental and Sustainability Research, NOVA University of Lisbon, Portugal

Facilitation of further regional disaggregation of the TIAM model
Babak Mousavi, IER, Germany

Introducing land use and agriculture in TIAM to assess land demand of future bioenergy deployment scenarios
Alexandre Koberle, Imperial College, UK

The role of Direct Air Capture and Carbon Dioxide Removal in well below 2C scenarios in ETSAP-TIAM
James Glynn, MaREI Centre, University College Cork, Ireland

Long-term energy scenarios for the clean energy transition: possible engagement with ETSAP community with the Clean Energy Ministerial (CEM) Campaign
Asami Miketa, IRENA, Germany

12:00-13:00 SESSION 7: FOCUS ON SPECIFIC SECTORS

Chair: Evangelos Panos

Improving the representation of consumers' choice in transport within E4 models
Jacopo Tattini, Technical University of Denmark (DTU), Denmark

A novel energy system model to find the optimal balance of storage and transmission using social and weather drivers
Tiziano Gallo Cassarino, UCL, UK.

An interdisciplinary approach to improve heat decarbonization assessments at the urban scale
Chiara Delmastro, Politecnico di Torino, Italy

Accounting for climate change-induced change in space heating demand: case of Denmark
Stefan Petrovic, DTU, Denmark

- 13:00-14:00 LUNCH BREAK
 - 14:00-17:00 MULTI-LATERAL SELF-ORGANIZED DISCUSSIONS
 - 14:00-18:00 EXECUTIVE COMMITTEE MEETING
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