

71TH SEMI-ANNUAL ETSAP MEETING

Organised by Joint Global Change Research Institute of Pacific Northwest National Laboratory (PNNL) and University of Maryland (UMD),
Draft Program (as of 29 June 2017)

Dates: 10th – 14th July 2017
Venue: College Park Marriott Hotel & Conference Center, 3501 University Blvd East, Hyattsville, Maryland, USA.
Contacts: Kenneth Karlsson, [keka@etsap.org], +45 2132 8733

MONDAY 10TH JULY 2017 (9:00-17:30)

ETSAP Regular Workshop

*College Park Marriott Hotel & Conference Center, 3501 University Blvd East,
Hyattsville, Maryland, USA
Room 2100/2101/2102*

TUESDAY 11TH JULY 2017 (9:00-13:00)

ETSAP Regular Workshop

*College Park Marriott Hotel & Conference Center, 3501 University Blvd East,
Hyattsville, Maryland, USA
Room 2100/2101/2102*

TUESDAY AFTERNOON 11TH JULY 2017 (14:00-18:00)

ETSAP Executive Committee

*College Park Marriott Hotel & Conference Center, 3501 University Blvd East,
Hyattsville, Maryland, USA
Room 2115*

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

WENDESDAY 12TH JULY 2017 - FRIDAY 14TH JULY 2017 (9:00-17:00)

TIMES Training sessions

*College Park Marriott Hotel & Conference Center, Hyattsville, Maryland, USA.
Room Sheppard Gallery*

WENDESDAY 12TH JULY 2017 - FRIDAY 14TH JULY 2017

International Energy Workshop

*College Park Marriott Hotel & Conference Center, Hyattsville, Maryland, USA.
More details available at: <http://www.internationalenergyworkshop.org/meetings-10.html>*

MONDAY 10TH JULY 2017

REGULAR ETSAP WORKSHOP

Venue: College Park Marriott Hotel & Conference Center, 3501 University Blvd East, Hyattsville, Maryland, USA, Room 2100/2101/2102

Contacts: Kenneth Karlsson, [keka@dtu.dk], +45 2132 8733

8:00- 9:30 IEA WEBINAR: ETP2017 CATALYSING ENERGY TECHNOLOGY TRANSFORMATION

Chair: Brian Ó Gallachóir

8:30-9:00 BREAKFAST BUFFET

9:30-10:40 SESSION 1: TIMES APPLICATIONS I

Chair: George Giannakidis

Short-term uncertainty in long-term energy models

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

Assessing uncertainty of climate change impacts on long-term hydropower generation Using the CMIP5 ensemble - The case of Ecuador

Pablo Carvajal, UCL Energy Institute, UK

Evaluation of the French Energy Transition for Green Growth Law with Times-FR

Ariane Millot, MINES ParisTech, France

10:40-11:00 COFFEE BREAK

11:00-13:00 SESSION 2: SECTORAL FOCUS IN NATIONAL MODELS

Chair: Luke Reedman

MoCho-TIMES Improved representation of model choice in transport sector in bottom-up optimization energy system models

Jacopo Tattini, DTU, Denmark

Forestry biomass reference energy system within a National TIMES model

Anna Krook-Riekkola, Luleå University of Technology, Sweden

Technology-based Approach for the Impacts of Global Warming on the Energy Use of Air Conditioning in Taiwan

Hsin-Wei Hsu, Industrial Technology Research Institute (ITRI), Taiwan

Optimal integration of net Zero Energy Buildings in the Scandinavian energy system.

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

Extracting Insights from Many Scenarios: Examples from FACETS

Evelyn Wright, USA; Amit Kanudia, KANORS, India

13:00-14:00 LUNCH BREAK

14:00-15:30 SESSION 3: TECHNOLOGIES

Chair: James Glynn

The Influence of Continued RES Cost Reductions - an Analysis with the Mid-European-ELC TIMES Model

Fabian Paul Gotzens, IEK-STE, Forschungszentrum Juelich, Germany

Characterizing technology opportunities for energy system in transition through rank trajectories

Tarun Sharma. University College Cork, Ireland

A Spatio-temporal Optimization Model for the Analysis of Future Energy Systems with Power to Hydrogen Pathways

Martin Robinius. Forschungszentrum Jülich GmbH, Germany

The Danish Energy Technology Data Catalogue

Rikke Næraa, Danish Energy Agency, Denmark

15:30-16:00 COFFEE BREAK

16:00-17:30 SESSION 4: TIMES APPLICATIONS II

Chair: Tamaryn Napp

Using Genuine Savings for Climate Policy Evaluation with an Integrated Assessment Model
Koji TOKIMATSU, Tokyo Institute of Technology, Japan

Modeling long term interactions between energy vectors: a case study for gas and electricity systems in France

Remy Doudard, MINES ParisTech, France

TIMES Course for Master Students in DTU: Reflections and Way Forward

Olexandr Balyk, DTU, Denmark

TUESDAY 11TH JULY 2017 (9:00-13:00)

REGULAR ETSAP WORKSHOP

Venue: College Park Marriott Hotel & Conference Center, 3501 University Blvd East, Hyattsville, Maryland, USA, *Room 2100/2101/2102*

Contacts: Kenneth Karlsson, [keka@dtu.dk], +45 2132 8733

8:30-9:00 BREAKFAST BUFFET

9:00-11:00 SESSION 5: CCS IN ENERGY SCENARIOS

Chair: Brian Ó Gallachóir

DoE activities in CCS and workshop summary

Ann Satsangi, DoE Office of Fossil Energy, USA

IEA-GHG activities and possible collaboration with IEA-ETSAP

Keith Burnard, IEA GHG

IEA-GHG project and findings to date

James Glynn, MaREI-UCC, Ireland

Status of US CCS projects and data available (tbc)

NETL

Energy systems modelling and CCS: Insights from the COMET project

Maurizio Gargiulo, E4SMA, Italy

11:15-11:30 COFFEE BREAK

11:30-13:00 SESSION 6: ETSAP-TIAM APPLICATIONS

Chair: Kenneth Karlsson

Pushing the limits of TIAM - Achieving well-below 2 degrees scenarios

Tamaryn Napp, Grantham Institute, Imperial College London, UK

Mitigation Pathways to well below 2C in ETSAP-TIAM

James Glynn, UCC, Ireland

Analysing smart path scenarios with ETSAP-TIAM

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

Analysis of the required global energy system transformations and the associated macroeconomic implications in order to meet ambitious decarbonisation targets

Babak Mousavi, Markus Blesl, Institute for Energy Economics and Rational Use of Energy, University Stuttgart

Status ETSAP_TIAM Git project and starting up ETSAP-TIAM update

Olexandr Balyk, DTU, Denmark

13:00-14:00 LUNCH BREAK

14:00-17:00 MULTI-LATERAL SELF-ORGANIZED DISCUSSIONS

14:00-18:00 EXECUTIVE COMMITTEE MEETING