WINTER 2020 SEMI-ANNUAL ETSAP MEETING

Program *(as of 14 December 2020)*
All times are CET

Dates: 16th – 17th December 2020
Contacts: Kari Espegren [Kari.Espegren@ife.no]
Brian Ó Gallachóir (b.ogallachoir@ucc.ie)
George Giannakidis (ggian@etsap.org)
The workshop will be held online. A link will be send to all registered participants.

9-11 December (14:00 – 19:00 CET)

Basic Training Course on VEDA TIMES (online)

Wednesday 16TH December 2020 (09:30-12:00 CET)

ETSAP Regular Workshop day 1

Wednesday afternoon 16TH December 2020 (12:30-15:00 CET)

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

Thursday 17TH December 2020 (10:00-15:15 CET)

ETSAP Regular Workshop day 2 (online)

WEDNESDAY 16TH DECEMBER 2020

REGULAR ETSAP WORKSHOP

09:30-10:50 SESSION 1: IEA COMBUSTION TECHNOLOGY COLLABORATION PROGRAM (TCP)

Chair: Brian O'Gallachoir

The scope and activities of Combustion TCP and the Systems Analysis Task
Martti Larmi, Aalto University

The performance of advanced fuels in end-use sectors – EUA tool
Yuri Kroyan, Aalto University

Collaboration options between ETSAP and Combustion TCP

10:50-11:00 COFFEE BREAK

11:00-12:00 SESSION 2: PRESENTATIONS OF PROJECT PROPOSALS

Chair: George Giannakidis

THURSDAY 17TH DECEMBER 2020

REGULAR ETSAP WORKSHOP

10:00-11:00 SESSION 3: MODELLING APPROACHES

Chair: Paul Dodds

SATIMGE-2020
Bruno Merven, Faaiqa Hartley, Andrew Marquard, Fadiel Ahjum, Bryce McCall, Alison Hughes, Gregory Ireland, and Jesse Burton, Energy Systems Research Group, University of Cape Town

Addressing RE Intermittency and Operation Aspects of Generating Units in Long-term System Planning of Indian Power Sector
Anjati Jain, Malaviya National Institute of Technology, India

The disruption effect of digitalization on the energy sector: a multimodal approach
Lidia Stermieri, Paul Scherrer Institut

11:00-11:15 COFFEE BREAK

11:15-12:35 SESSION 4: ENERGY SYSTEMS MODELLING FOR POLICY FORMULATION

Chair: Tiina Koljonen

Supporting transition towards the Paris Agreement using TIMES: insights from preliminary analyses of the Paris Reinforce project
Alessandro Chiodi, E4SMA

Exploring the uncertain scenario solution space using visual analytics and scenario discovery techniques in large scenario ensembles; An application to 4000 scenarios [4 scenarios x 1000 cases] in ETSAP-TIAM probabilistic Monte-Carlo analysis exploring the Paris Agreement energy systems
Dr James Glynn, University College Cork

Modelling the cement industry - Energy flows connected to material flows and production processes
Mr. Michel Obrist, Paul Scherrer Institute

How can we use energy systems modelling to effectively inform policy?
Brian O'Gallachoir, University College Cork.

12:35-12:45 COFFEE BREAK

12:45-13:45 SESSION 5: COLLABORATION WITH IEA HYDROGEN TCP

Chair: Kari Espegren

Status Report on the collaboration with Hydrogen-TCP
Kari Espegren, IFE

Hydrogen modelling in TIMES – a summary of the inputs, outputs, and best practice RES
Paul Dodds, UCL

Overview of Hydrogen TCP, Task 41. Introduce discussion points from the hydrogen TCP.
Arne Lind, IFE

Discussion on how Hydrogen TCP (and Task 41) might interact with ETSAP in future

13:45-14:00 COFFEE BREAK

14:00-15:15 SESSION 6: LONG TERM/SHORT TERM MODELLING

Chair: Evangelos Panos

Analysis of distribution grid tariffs in the Norwegian energy system
Lisa Kvalbein, Institute for Energy Technology (IFE).

Assessing the impact of electricity trades restriction in achieving the carbon neutrality of the EU power system
Gildas Siggini, MINES PARISTECH

Spatial flexibility in redispatch: Supporting low carbon energy systems with Power-to-Gas
Pedro Crespo del Granado, Norwegian University of Science and Technology

Long-term energy system modelling with improved resolution to address short-term implications
Dr. Xiufeng Yue, University College Cork