

SUMMER 2023 SEMI-ANNUAL ETSAP MEETING

Program (as of 26 May 2023)
(All times are Mountain Daylight Time-MDT)

Dates: 15th – 16th June 2023

Contacts: Kari Espegren [Kari.Espegren@ife.no]

The workshop will be held as a hybrid event. The physical meeting will take place at:
Colorado School of Mines, Golden CO, USA.

For the online participation details will be shared before the workshop.

THURSDAY 15TH JUNE 2023 (09:00-12:00 MDT)

ETSAP Executive Committee

(Participation restricted to ETSAP Delegates, officers, and invited experts)

Agenda and attachments are sent separately

THURSDAY 15TH JUNE 2023 (13:00-17:00 MDT)

ETSAP Regular Workshop Day 1

FRIDAY 16TH JUNE 2023 (09:00-17:00 MDT)

ETSAP Regular Workshop Day 2

THURSDAY 15TH JUNE 2023 (13:00-17:00 MDT)**REGULAR ETSAP WORKSHOP****13:00 - 13:05 WELCOME**

Prof. Brian Ó'Gallachóir, ETSAP ExCo Chair

13:05-15:00 SESSION 1: MODELLING APPROACHES**Chair: TBD****Main findings of the ETSAP projects on Energy trade and human behaviour in TIMES models**

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

A new approach to building and using global TIMES models

Ms Evelyn Wright, Sustainable Energy Economics, USA. Amit Kanudia, KANORS, India

Development of a methodology to evaluate social and technology-specific discount rates for energy system optimization models

Ms Siliva Laea, Dr Gianvito Colucci, Politecnico di Torino, Italy

Increasing Renewable Energy Integration in European Islands with Storage Stakes: A Case Study of Evia, Greece

Mr. Nikolaos Papastefanakis, Mines Paris - PSL University, CMA - Centre for Applied Mathematics, France

15:00-15:30 COFFEE BREAK and Presentation of VEDA updates: describe the recent updates and revisit some important features that can be very useful for users.**15:30-17:00 SESSION 2: DECARBONISATION PATHWAYS****Chair: TBD****Building and Industry Decarbonization Scenarios using EPA's TIMES models: COMET and EPAUS9rT**

Ms. Ozge Kaplan, US EPA, USA

Insights from Irish Energy Systems Modelling on Decarbonising Road Freight and the Impact of Intangible Costs

Mr Vahid Aryanpur, University College Cork, Ireland

Science-based applications on TIAM-FR to meet the net zero emissions

Ms. Sophie Chlela, Centre for Applied Mathematics (CMA), Mines Paris-PSL, France

FRIDAY 16TH JUNE 2023 (09:00-17:00 MDT)**REGULAR ETSAP WORKSHOP****09:00 - 10:30 SESSION 3: NET ZERO WORLD I****Chair: TBD****Public finance resilience in the transition towards carbon neutrality: Modelling policy instruments in a global net zero emissions scenario**

Ms. Elisa Lanzi, OECD

The chemical industry in a world of net-zero CO2 emissions

Mr Paolo Gabrielli, ETH Zurich, Switzerland

Informing the debate around the role of hydrogen in net zero pathways for different jurisdictions in North America

Ms. Kathleen Vaillancourt, Ms Mathilde K. Bourque, ESMIA Consultants Inc., Canada

10:30-11:00 COFFEE BREAK**11:00 - 12:00 SESSION 4: NET ZERO WORLD II****Chair: TBD****Hydrogen electrolyser capacity investment in the Australian context: optimization and trade-offs**

Mr. James Foster, CSIRO, Australia

Feasibility of the EU-Ukraine hydrogen partnership in the context of financial support for post-war energy system recovery.

Mr. Andrii Semeniuk, Institute for Economics and Forecasting, National Academy of Science of Ukraine

12:00-13:00 LUNCH

13:00-14:30 SESSION 5: NET ZERO WORLD III

Chair: TBD

Exploring the Role for Long-Term Hydrogen Storage in Alberta Electricity Generation Sector under Net-Zero Scenario

Ms. Precious Afolabi, University of Calgary, Canada

The Role of Nuclear Power in a Net Zero World - A Power System Times Model Analysis

Mr Emeka Ochu, Center on Global Energy Policy, Columbia University, USA

Assessing the Impact of Climate Variability on Wind Energy Potential in Decarbonization Scenarios

Mr. James Glynn, Center on Global Energy Policy, Columbia SIPA, USA

14:30-15:00 COFFEE BREAK

15:00-17:00 SESSION 6: FUTURE ENERGY SYSTEMS

Chair: TBD

A Compatible Energy Trilemma Evaluation Framework for Future Decarbonized, Decentralized, and Digitalized Systems

Mr Omri Carmon, Ben Gurion University, Israel

Long-Term Decarbonization Pathways In Emerging Economies: Insights From 12 Modeling Case Studies

Mr Adam Krzysztof Suski, World Bank

Will it leak?: Discussions of leakage risk from subsurface storage of carbon dioxide

Mr. Jason Eleson, GeoIntegra Consulting, LLC

Applying science fiction to approach the future

Ms. Anna Krook-Riekkola, Luleå University of Technology, Sweden