

WINTER 2023 SEMI-ANNUAL ETSAP MEETING

Program (as of 09 November 2023)
(All times are CET)

Dates: 16th – 17th November 2023
Contacts: Kari Espegren [Kari.Espgren@ife.no]
The workshop will be held as a hybrid event.
The workshop venue: Politecnico di Torino Lingotto, Via Nizza, 230, Aula Magna (ground floor),
Turin, Italy.

THURSDAY 16TH NOVEMBER 2023 (08:30-12:00 CET)

ETSAP Executive Committee

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

Agenda and attachments are sent separately

The ExCo-meeting will take place at Politecnico di Torino, Corso Duca degli Abruzzi 24
Sala Riunioni ex DELET – DENERG (2nd floor)

THURSDAY 16TH NOVEMBER 2023 (14:00-17:30 CET)

ETSAP Regular Workshop Day 1

FRIDAY 17TH NOVEMBER 2023 (09:00-12:30 CET)

Exploring Flexibility from Renewable Hydrogen and Bioenergy in Energy Systems Modelling

Joint workshop between ETSAP, IEA Bioenergy TCP Task44 and the Intertask
Project (ITP) Synergies on green hydrogen and the biobased value chain

FRIDAY 17TH NOVEMBER 2023 (12:30-17:00 CET)

ETSAP Regular Workshop Day 2

For online participation in the ETSAP WS on Thursday Afternoon and Friday:

Join on your computer, mobile app or room device

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THURSDAY 16TH NOVEMBER 2023 (14:00-17:30 CET)**REGULAR ETSAP WORKSHOP DAY 1****14:00 - 14:15 WELCOME**

Prof. Brian Ó'Gallachóir, ETSAP ExCo Chair
RSE, Italy Contractin Part to ETSAP
Politecnico di Torino

14:15-14:45 SESSION 1: SOFTWARE UPDATES

Chair: Ms Anna Krook-Riekkola

Veda online update

Mr. Amit Kanudia KanORS-EMR

14:45-15:45 SESSION 2A: SECTORAL DECARBONISATION**Energy Transition in global Aviation**

Mr. Felix Lippkau, IER University of Suttgart, Germany

Synthetic methane production prospective modelling up to 2050 in the European Union

Ms. Marie Codet, Centre de mathématiques appliquées - Mines ParisTech; France

15:45-16:15 COFFEE BREAK**16:15-17:15 SESSION 2B: SECTORAL DECARBONISATION**

Chair: Ms Pernille Seljom

The Regionalization Tool: spatial representation of TIMES-BE output data in industrial clusters for future energy infrastructure analysis

Ms. Enya Lenaerts Vito/EnergyVille, Belgium

Decarbonization of heating in the buildings sector: efficiency first vs low-carbon heating dilemma

Mr. Andrea Moglianesi, VITO, Belgium

FRIDAY 17TH NOVEMBER 2023 (09:00-17:00 MDT)**EXPLORING FLEXIBILITY FROM RENEWABLE HYDROGEN AND BIOENERGY IN ENERGY SYSTEMS MODELLING****09:00 - 10:30 SESSION A**

Chair: Brian Ó'Gallachóir

Reframing flexibility beyond power

Mr. Fabian Schipfer, IEA Bioenergy TCP

Bioenergy in energy system models with flexibility

Tiina Koljonen & Anna Krook-Riekkola, IEA ETSAP

Flexibility with renewable hydrogen

Paul Dodds, Jana Fakhreddine & Kari Espegren, IEA ETSAP

10:30-11:00 COFFEE BREAK**11:00 - 12:30 SESSION B**

Chair: Ms Tiina Koljonen

11:00 – 11:30 **Presentation on IEA Net Zero Pathways/Roadmap**

Uwe Remme, IEA

11:30 – 12:30 **Collaborative design of the February 2024 flexibilisation webinar**

Moderated by Fabian Schipfer and Christiane Hennig, IEA Bioenergy TCP

REGULAR ETSAP WORKSHOP DAY 2

12:30-13:00 **SESSION 3: BIOENERGY AND HYDROGEN IN FUTURE ENERGY SYSTEMS - A**

Chair: Ms Tiina Koljonen

Optimal development of the Canadian forest sector for both climate change mitigation and economic growth: an original application of the North American TIMES Energy Model (NATEM)

Ms. Marie Pied, Ms Kathleen Vaillancourt, ESMIA Consultants Inc., Canada

13:00-14:00 **LUNCH**

14:00-15:30 **SESSION 3: BIOENERGY AND HYDROGEN IN FUTURE ENERGY SYSTEMS - B**

Chair: Mr Pieter Lodewijks

Green hydrogen trade from North Africa to Europe: optional long-term scenarios with the JRC-EU-TIMES model

Ms. Maria Cristina Pinto, RSE - Ricerca sul Sistema Energetico, Italy

Detail representation of molecule flows and chemical sector in TIMES-BE: progress and challenges.

Mr. JuanCorrea, VITO, Belgium

The Nordics as a hub for green electricity and fuels?

Mr. Till ben Brahim, Energy Modelling Lab, Denmark

15:30-16:00 **COFFEE BREAK**

16:00-17:00 **SESSION 6: FUTURE ENERGY SYSTEMS**

Chair: Ms Kathleen Vaillancourt

The role of Norwegian offshore wind in the energy system transition

Dr. Pernille Seljom, IFE, Norway

Variable Renewable Energy in China's Transition: Bridging the Gap Between NDC Commitments and Global Climate Imperatives

Ms. Qiuyu Ding, UCL Energy Institute