# WINTER 2021 SEMI-ANNUAL ETSAP MEETING

Program *(as of 25 November 2021)*
**All times are CET**

Dates: 29th – 30th November 2021
Contacts: Kari Espegren [Kari.Espegren@ife.no]
The workshop will be held as a hybrid event. The physial meeting will take place at:
**Oslo-Met, Kunnskapsveien 55, 2007 Kjeller, Norway**

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

## 24-26 NOVEMBER 2021, 08:00 - 13:00 CET

Online TIMES Training sessions

## MONDAY 29TH NOVEMBER 2021 (09:00-13:00)

**ETSAP Regular Workshop Day 1**

## MONDAY 29TH NOVEMBER 2021 (14:00-17:00)

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

## TUESDAY 30TH NOVEMBER 2021 (09:00-17:00)

**ETSAP Regular Workshop Day 2**

# MONDAY 29TH NOVEMBER 2021

## REGULAR ETSAP WORKSHOP

### 09:00-10:30 SESSION 1: NATIONAL MODELLING APPROACHES I

***Chair: Kari Espegren***

**Energy system analysis of politics of Norwegian parties**
Dr. Pernille Seljom, IFE

**How do changes to future technology and fuel developments affect the optimal residential heating decarbonisation pathway?**
Mr. Jason Mc Guire, MaREI, UCC

**Impacts of green hydrogen on the Italian power system by 2030**
Mr. Fabio Lanati, RSE - Ricerca sul Sistema Energetico

**Energy and climate policies in major European Countries: insights from the POLIZERO project**
Dr. Evangelos Panos Paul Scherrer Institute

### 10:30-11:00 COFFEE BREAK

### 11:00-12:00 SESSION 2: NATIONAL MODELLING APPROACHES II

***Chair: Pernille Seljom***

**Renewable energy potential and the possibility to achieve the 1.5 °C target**
Prof. Markus Blesl, IER / University Stuttgart

**District heating potential in the Italian NECP: assessment through a new residential model in TIMES-RSE**
Ms. Corine Nsangwe Businge, RSE - Ricerca sul Sistema Energetico.

**The Role of Flexibility Mechanisms to Achieve Carbon Neutral Society - Analysis using Non-symmetric Time-Slices**
Dr. Hiroshi Hamasaki, Deloitte

### 12:00-13:00 SESSION 3: PRESENTATION OF PROJECT PROPOSALS

***Chair: George Giannakidis***
*(5mins presentation per proposal followed by brief questions)*

Bridging TIMES-based scenarios and IAMC databases

Workshop series “Improving the modelling of energy behaviour in TIMES models -Approaches to include human and social dimensions in energy system modelling.

Funding to Update the TIMES-Starter SubRES

GIS Data for TIMES Models (GIS4TIMES)

Workshop series “Improving the modelling of cross-border electricity trade in national TIMES-based energy system models”

Modelling of advanced combustion technology & joint workshops with Combustion TCP

Best Practice Guide for Applying FAIR Principles to TIMES Models

## ANNOUNCEMENT OF THE “WORKSHOP SERIES: INTEGRATING SUSTAINABLE DEVELOPMENT GOALS INTO ENERGY SYSTEMS”

### 13:00-14:00 LUNCH

### 14:00-17:00 EXECUTIVE COMMITTEE MEETING

### 18:30 DINNER

# TUESDAY 30TH NOVEMBER 2021 (09:00-17:00)

## ETSAP EARLY-STAGE MODELLERS SESSIONS

### 9:00-10:45 SESSION 4: EARLY-STAGE MODELLERS SESSION

***Chair: Anna Krook-Riekkola***

**Modelling different Thermal Energy Storage (TES) options in a TIMES model**
Dmytro Romanchenko, IVL Swedish Environmental Institute, Sweden.

**Modelling flexible electric vehicle charging in local energy communities**
Pieter Valkering, VITO – EnergyVille, Belgium.

**Mitigation strategies for transitioning towards 'net-zero' energy systems in India**
Omkar S Patange, Indian Institute of Management, India.

### 10:45-11:00 COFFEE BREAK

### 11:00-12:30 SESSION 5: SOFTWARE TOOLS

***Chair: Erik Ahlgren***

**The TIMES Cloud Service & the TIMES/MIRO App**
Mr. Frederik Fiand, GAMS Software GmbH

**Veda Online**
Dr. Amit Kanudia, KanORS-EMR

**A new R package for analysing TIMES data**
Dr. Iris Oren, Scottish Government

### 12:30-13:30 LUNCH

### 13:30-15:30 SESSION 6: MODELLING APPROACHES

***Chair: Kenneth Karlsson***

**Modelling of offshore wind**
Ms. Kristina Haaskjold, IFE

**Impact of technology availability on the transition to a net-zero industry**
Mr. Erik Sandberg, Luleå University of Technology

**Techno-economic and environmental implications of transportation decarbonization pathways for New York City using City-based Optimization Model for Energy Technologies (COMET)**
Dr. Ozge Kaplan, US Environmental Protection Agency

**Techno-Economic Modelling of Cogeneration Options for the South African Sugar Industry**
Mr. Joseph Masenda, UCT ESRG

**Modelling Circular Economy in TIMES**
Dr. Sofia G. Simoes LNEG - Laboratory for Energy and Geology, P. Fortes, CENSE | NOVA School of Science and Technology

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

### 16:00-17:15 SESSION 7: MODELLING APPROACHES

***Chair: Maria Gaeta***

**A new TIMES model for Azerbaijan**
Dr. Kenneth Karlsson, Energy Modelling Lab

**TIMES-CGE-SD model coupling and data exchange mechanism for the LEDS development for Kazakhstan**
Dr. Maria Polugodina, DIW Econ GmbH

**Scenario analysis of data centres in the Irish energy system**
Mr. Leonardo Collina, Università di Bologna / University College Cork