75TH SEMI-ANNUAL ETSAP MEETING

Organised by the International Energy Agency (IEA)
Draft Program (as of 30 May 2019)

Dates: 3rd – 7th June 2019
Venue: UIC-P Espaces Congrès, 16 rue Jean Rey, 75015 Paris, France.
Contacts: Kenneth Karlsson, [keka@etsap.org], +45 2132 8733
          Uwe Remme

MONDAY 3RD - WEDNESDAY 5TH OF JUNE 2019 (9:00-17:30)

TIMES Training sessions
UIC-P Espaces Congrès, 16 rue Jean Rey, 75015 Paris, France

THURSDAY 6TH JUNE 2019 (9:00-14:00)
ETSAP Regular Workshop Day 1
UIC-P Espaces Congrès, 16 rue Jean Rey, 75015 Paris, France

THURSDAY AFTERNOON 6TH JUNE 2019 (14:00-18:00)
ETSAP Executive Committee
UIC-P Espaces Congrès, 16 rue Jean Rey, 75015 Paris, France
(Attendance restricted to ETSAP Delegates, officers, and invited experts)
Agenda and attachments are sent separately

FRIDAY 7TH JUNE 2019 (9:00-16:00)
ETSAP Regular Workshop Day 2
UIC-P Espaces Congrès, 16 rue Jean Rey, 75015 Paris, France
THURSDAY 6TH JUNE 2019

REGULAR ETSAP WORKSHOP

Venue: UIC-P Espaces Congrés, 16 rue Jean Rey, 75015 Paris, France.
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9:00-11:00 SESSION 1: MODELLING DECARBONISATION I

Chair: Anna Krook-Riikola

Decarbonization bottlenecks and short-term policy entry points towards achieving the Paris climate goals
Dr. Gunnar Luderer, Potsdam Institute for Climate Impact Research

Energy modeling approach to the global energy-mineral nexus: Exploring metal requirements and the well-below 2°C target with 100 percent renewable energy
Prof. Koji TOKIMATSU, Tokyo Institute of Technology

Addressing Decarbonisation uncertainty in ETSAP-TIAM using Monte Carlo Methods
Dr. James Glynn, MaREI-ERI-UCC

Modelling the low-carbon energy transition of the territories: a TIMES-SUD PACA model to assess the long-term decarbonization strategy of the south-east region of France
Mr. Carlos Andrade Centre de Mathématiques Appliquées de Mines ParisTech

The Sustainable Energy Project Development

Energy Service Demands projections in transport sector for SSPs
Mr. Siddharth Joshi, University College Cork

11:00-11:15 COFFEE BREAK

11:15-11:55 SESSION 2: COLLABORATIVE ITERACTIVE MODELING TOOLS

Chair: Brian O’Gallachoir

Development of a National Energy System Model for collaborative analysis of energy and environmental policies in Serbia
Ms. M. Filipovic, , Prof. M. Banjac, Ms J. Simovic, Ms B. Ramic Ministry of Mining and Energy, Republic of Serbia
Mr. G. Giannakidis, Ms. S. Nikolakaki , Mr F. Siakkis, Mr B. Kovacev

Using an interactive tool and informed citizen panels for linking energy systems modeling with public preferences
Prof. Evelina Trutnevyte, University of Geneva, Switzerland

11:55-13:00 SESSION 3: SYSTEMS WITH HIGH VRE

Designing weather resilient electricity systems with high shares of variable renewables
Dr. James Price UCL Energy Institute.

Cost concepts around operational practices and flexibility investments for high VRE power systems
Dr Thomas Nikolakakis, IRENA

OPEN DISCUSSION ON IDEAS FOR COLLABORATION WITH IRENA IN QUANTIFYING FLEXIBILITY IN SYSTEMS WITH HIGH PENETRATION OF VRE

13:00-14:00 LUNCH BREAK

14:00-18:00 EXECUTIVE COMMITTEE MEETING

FRIDAY 7TH JUNE 2019 (9:00-16:00)

REGULAR ETSAP WORKSHOP

Venue: UIC-P Espaces Congrés, 16 rue Jean Rey, 75015 Paris, France.
ANNEX XIV: UNDERSTANDING AND FACILITATING THE ENERGY TRANSITION TO ACHIEVE THE ‘WELL BELOW 2°C’ GOAL

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9:00-11:00  
SESSION 4: MODELLING DECARBONISATION II

Chair: Evelina Trutnevyte

Resilience of decarbonized energy systems to climate change - a research question in the Intersectoral Impact Modeling Intercomparison Project  
Dr. Franziska Piontek, Potsdam Institute for Climate Impact Research

ESOMs to Support NDCs in a Small Open Economy: The Case of Sweden  
Dr. Anna Krook Riekko, Lulea Univ.

Towards becoming a net greenhouse gas sink: Metrics and Techniques to identify least-cost NDC roadmaps using TIMES-COSTARICA  
Mr G. Goldstein, Decisionware Inc.

Global uptake of electric vehicles to 2050 in a decarbonizing energy system  
Dr. Onur Özgün, DNV GL.

Analysis of the relative roles of demand-side measures in tackling the global 1.5°C target and the impact on the German energy system  
Mr. Markus Blesl, IER University Stuttgart.

New IEA Bioenergy task on Flexible Bioenergy and System Integration  
Mr. Ilkka Hannula IEA Bioenergy / VTT

11:00-11:15  
COFFEE BREAK

11:15-13:00  
SESSION 5: MODELING APPROACHES I

Chair: James Glynn

Storage End Effects: An evaluation of common storage modelling assumptions  
Dr. Taco Niet, British Columbia Institute of Technology.

Introducing nemo: High performance, open-source energy system optimization  
Eric Kemp-Benedict, Stockholm Environment Institute

DISCUSSION ON THE CONTENT OF THE NEXT ETSAP ANNEX  
Coordination: B. O’Gallachoir, K. Karlsson, G. Giannakidis

13:00-14:00  
LUNCH BREAK

14:00-16:30  
SESSION 6: MODELING APPROACHES II

Chair: George Giannakidis

From linking to integration of energy system models and computational general equilibrium models  
Dr. Per Ivar Helgesen, Enova SF

IntERACT - An Integrated Energy and Economic Model  
Mr. Asbjørn Hegelund, DTU

Comparison of timeslicing approaches: a case study using UK TIMES  
Dr. Paul Dodds, UCL Energy Institute

Representing Cross-border Trade in Long-term Power System Planning Models with Limited Geographical Scope  
Mr. Tim Mertens, VITO/University of Leuven

Integrating climate data on a highly resolved TIMES model  
Mr. Filipa Amorim, CENSE FCT NOVA University

Modelling of renewable gas and liquid fuels by linking the two energy systems models, TIMES-DK and Balmorel  
Mr. Rasmus Bramstoft, Technical University of Denmark

Simple representation of Land-use in TIMES-DK  
Mr. Kenneth Karlsson, Technical University of Denmark