

ANNEX XIV UNDERSTANDING AND FACILITATING THE ENERGY TRANSITION TO ACHIEVE THE
'WELL BELOW 20C' GOAL

76TH SEMI-ANNUAL ETSAP MEETING

Organised by the CSIRO Energy
Draft Program (*as of 3 December 2019*)

Dates: 9th – 13th December 2019
Venue: CSIRO Energy Centre 10 Murray Dwyer Circuit, Mayfield West, Australia.
Contacts: Kenneth Karlsson, [keka@etsap.org], +45 2132 8733
Luke Reedman, [luke.reedman@csiro.au], +61 458 720 298

MONDAY 9TH - WEDNESDAY 11TH OF DECEMBER 2019 (9:00-17:00)

TIMES Training sessions

CSIRO Energy Centre 10 Murray Dwyer Circuit, Mayfield West, Australia.

MONDAY 9TH - WEDNESDAY 11TH OF DECEMBER 2019 (9:00-17:00)

ETSAP Regular Workshop Day 1

CSIRO Energy Centre 10 Murray Dwyer Circuit, Mayfield West, Australia.

TUESDAY 10TH OF DECEMBER 2019 (14:00-18:00)

ETSAP Executive Committee

CSIRO Energy Centre 10 Murray Dwyer Circuit, Mayfield West, Australia.
(Participation restricted to ETSAP Delegates, officers, and invited experts)
Agenda and attachments are sent separately

THURSDAY 12TH - FRIDAY 13TH DECEMBER 2019 (9:00-16:00)

Advanced VEDA training

CSIRO Energy Centre 10 Murray Dwyer Circuit, Mayfield West, Australia.

ANNEX XIV UNDERSTANDING AND FACILITATING THE ENERGY TRANSITION TO ACHIEVE THE
'WELL BELOW 20C' GOAL

MONDAY 9TH DECEMBER 2019

REGULAR ETSAP WORKSHOP

Venue: CSIRO Energy Centre 10 Murray Dwyer Circuit, Mayfield West, Australia.
Contacts: Kenneth Karlsson, [keka@etsap.org], +45 2132 8733
Luke Reedman, [luke.reedman@csiro.au], +61 458 720 298

9:00-10:30 SESSION 1: FOCUS ON AUSTRALIA PART 1

Chair: Brian O'Gallachoir

Welcome

Dr. Luke Reedman, Australian ExCo delegate, CSIRO

Overview of CSIRO Energy Research

Dr. Peter Mayfield, Executive Director, Environment, Energy and Resources, CSIRO

Energy in Australia: Past, Present and Future ...

Mr. Paul Graham, Chief Economist, Energy, CSIRO

10:30-11:00 MORNING TEA

11:00-12:30 SESSION 1: FOCUS ON AUSTRALIA PART 2

Update on applications of an Australian TIMES model

Dr. Luke Reedman, CSIRO

Decarbonisation Futures: Innovation Pathways to Net Zero Emissions

Mr. Tom Yankos and Mr. Iain Stewart, Monash University, Australia

Update on TIMES-NZ modelling

Dr. Kiti Suomalainen, University of Auckland

Deep decarbonisation scenarios for New Zealand: perspectives of geothermal energy under climate goals

Mr. Bakytzhan Suleimenov, Paul Scherrer Institution, Switzerland

.....room for more presentations

12:30-13:30 LUNCH BREAK

13:30-15:00 SESSION 2: NATIONAL MODELS PART 1

Chair: Luke Reedman

Electricity supply and demand analysis using MARKAL/TIMES

Prof. Imtiaz Hussain, US Pakistan Centre for Advance Studies in Energy, NUST Islamabad

Nationwide participatory methodology for analysing political parties energy strategies.

Mr. Mikkel Bosack Simonsen, Technical University of Denmark

Political Feasibility of Enhancing India's Midcentury Target for Emissions Intensity

Mr. Yagyavalk Bhatt, King Abdullah Petroleum Studies and Research Center

1.) Effects of the Paris Agreement on the energy system of Germany 2.) When do we achieve a global Carbon neutrality – analysis with TIAM-IER

Dr. Markus Blesl, IER Stuttgart University

15:00-15:30 AFTERNOON TEA

ANNEX XIV UNDERSTANDING AND FACILITATING THE ENERGY TRANSITION TO ACHIEVE THE 'WELL BELOW 20C' GOAL

15:30-17:00 SESSION 2: NATIONAL MODELS PART 2

Chair: Sofia G. Simoes

Scenarions from Sweden

Dr. Anna Krook-Riekkola, Luleå University of Technology

Deep decarbonisation of Ireland's energy system

Prof. Brian O'Gallachoir, MaREI - University College Cork

Electricity supply and demand analysis using MARKAL/TIMES

Prof. Imtiaz Hussain, US Pakistan Centre for Advance Studies in Energy, NUST Islamabad

Evaluation of India's Energy Transition Scenario using India-TIMES

Mr. Aman Agrawal, TERI

.....room for more presentations

TUESDAY 10TH DECEMBER 2019

REGULAR ETSAP WORKSHOP

Venue: CSIRO Energy Centre 10 Murray Dwyer Circuit, Mayfield West, Australia.

Contacts: Kenneth Karlsson, [keka@etsap.org], +45 2132 8733
Luke Reedman, [luke.reedman@csiro.au], +61 458 720 298

9:00-10:30 SESSION 3: DISCUSSION ON NEW ETSAP WORKING PROGRAM

Chair: Brian O'Gallachoir

Introduction

Project Head George Giannakidis

Group work

What kind of projects and collaborations can we foresee, what are the new options coming up for the ETSAP community?

10:30-11:00 MORNING TEA

11:00-13:00 SESSION 4: PRESENTATION OF PROJECT PROPOSALS

Chair: Pernille Seljom

10 project proposals have been received and there will be room for 5-10min. presentation of each and then questions from audience

13:00-14:00 LUNCH BREAK

14:00-18:00 EXECUTIVE COMMITTEE MEETING

ANNEX XIV UNDERSTANDING AND FACILITATING THE ENERGY TRANSITION TO ACHIEVE THE
'WELL BELOW 20C' GOAL

WEDNESDAY 11TH DECEMBER 2019

REGULAR ETSAP WORKSHOP

Venue: CSIRO Energy Centre 10 Murray Dwyer Circuit, Mayfield West, Australia.
Contacts: Kenneth Karlsson, [keka@etsap.org], +45 2132 8733
Luke Reedman, [luke.reedman@csiro.au], +61 458 720 298

9:00-11:00 SESSION 5: RESEARCH PROJECTS

Chair: Kenneth Karlsson

The H2020 project Paris Reinforce
Mr. Maurizio Gargiulo, E4SMA

Functional Power Trade Key to Achieving Universal Access to Sustainable Energy Services in Sub-Saharan Africa Region
Mr. Xavier Musonye, Reykjavik University

Energy system pathways of a decarbonization of the Norwegian oil-dependent economy
Dr. Pernille Seljom, IFE, Norway

The SHIFT Nordic TIMES model
Mr. Kenneth Karlsson, Swedish Environmental Research Institute IVL

.....room for more presentations

11:00-11:30 MORNING TEA

11:30-13:00 CSIRO TOUR

13:00-14:00 LUNCH BREAK

14:00-15:30 SESSION 6: TIMES APPLICATIONS

Chair: Anna Krok-Riekkola

Project update on Enhancing Flexibility in TIMES: Introducing Ancillary Services Market
Mr. Evangelos Panos, Paul Scherrer Institute

Climate proofing the renewable electricity deployment in Europe - introducing climate variability in large energy systems models
Dr. Sofia G. Simoes, NOVA University Lisbon

Modelers Datahub: Tool to manage model data
Mr. Pavithra Kumar Shetty, KAPSARC

OpenData Pipeline framework using Apache Airflow
Mr. Anup Kumar, KAPSARC

.....room for more presentations

15:30-16:00 AFTERNOON TEA

16:00-17:00 SESSION 7: OPEN SESSION

Chair: no chair

Side meetings, discussions etc.