

Semi-annual ETSAP Workshop

Final Program

Venue Institute of Energy Economics and the Rational Use of Energy (IER) of the University, Heßbrühlstraße 49a, Stuttgart- Vaihingen, Germany (guide to reach IER: see last page)

Date: November 28 – December 1, 2006

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Hotel: IER has arranged special conditions for participants with the hotel listed in at page. Rooms have to be reserved by participants (special conditions expire mid November).

[A meeting of the EC project NEEDS, research stream 2a, will be held Monday 27 and Tuesday 28, November 2006 at IER. The meeting is reserved to the NEEDS project staff. For additional information, please contact Dr. Carmelina Cosmi, cosmi@imaa.cnr.it, Tel.: +39.0971.427.207]

Tuesday, November 28, 2006 **Training on VEDA-TIMES**

Participants are invited to bring their laptops and install the latest software prior to the meeting. For installation details, please contact Amit Kanudia at [amit@KanORS.com].

- 9.00-10.00 Test of the installations
- 10.00-10.30 Gary Goldstein
 Overview of the VEDA environment: templates, VEDA-Front-End and Back-end
- 10.30-10.45 Coffee break
- 10.45-11.30 Gary Goldstein
 Organization and philosophy of the VEDA templates
- 11.30-12.30 Gary Goldstein (others, to be defined)
 Working with VEDA-FE
- 12.30-14.00 Lunch
- 14.00-17.00 Amit Kanudia, Gary Goldstein, Maurizio Gargiulo
 VEDA-TIMES demo: from the analysis of the present energy system to the analysis of its possible future developments via model projections (.xls to .xls).
 Running the base scenario and importing results in VEDA-BE
 Possible Exercise: Addition of a new trade process
- ... - ... Coffee break

Wednesday, November 29, 2006
Training on TIMES
Updates and future developments

- 9.00-10.30 Uwe Remme, Markus Blesl
 Overview of TIMES: Variables, Equations, Parameters
 Improvements over MARKAL
- 10.30-10.45 Coffee break
- 10.45-12.30 working with VEDA-TIMES hands-on
- 12.30-14.00 Lunch
- 14.00-15.20 Using TIMES with other user's interfaces
 Status of ANSWER-TIMES – Ken Noble
 Experience at VTT Finland – Antti Lehtila
 Experience at ERC South Africa – Bruno Merven
- 15.20-15.30 Experience with migrating MARKAL models to TIMES
 Belgium – Denise Van Regemorter, Wouter Nijs
 Others
- 15.30-15.45 Coffee break
- 15.45-17.00 Updates from the participants and new projects
 The NEEDS TIMES Pan European model: status and perspectives - Markus Blesl
 Wind power in the EC RES2020 project – P.E. Grohnheit, et al.
 EC TOCSIN project – Richard Loulou
 GICC project – Richard Loulou
 Discussion and conclusion

Thursday, November 30, 2006
TIMES integrated assessment model (TIAM)

- 9.00-9.10 Richard Loulou
 Introduction and History of the 15 region global TIAM
- 9.10-10.30 Structure of TIAM
 - Regions, RES, Trades, Periods, TechRep (Maryse Labriet –40 min
 - Base Case Scenario(s) including an overview of resource modelling and energy trade in TIAM based on the 2006 review (Uwe Remme) 40 min
- 10.30-10.45 Coffee break
- 10.45-12.00 Integrating aspects of TIAM
 Climate Module (Antti Lehtila)
 Application: Hedging strategies for long term climate stabilisation (Richard Loulou)
- 12.00-12.45 Dolf Gielen
 The IEA-ETP global MARKAL model: status and perspectives
- 12.45-13.00 Christian Eherer, Martin Baumann

The EFDA TIMES global model: status and perspectives

13.00-14.15 Lunch

14.15-16.30 Future developments of TIAM

a – EMF-22: Policies in transition - Richard Loulou or Maryse Labriet

b – Prototype of a myopic TIAM version - Uwe Remme

c – Collapsing the RES: the example of SAGE - Amit Kanudia

d – Collapsing regions

e – Using TIAM for developing national scenarios integrated to the global scenarios:
How to extract a country from a region and add it as separate 16th region

... - ... Coffee break

16.30-17.00 Discussion and Conclusions

Friday, December 1, 2006 (9.00 – 13.00)

ETSAP Executive Committee Meeting

Delegates and invited experts will receive separately the agenda and the annexes

Friday, December 1, 2006 (14.00 – 17.00)

Working with TIAM – Demo Session

For people interested to have a closer look at the model, a demonstration session (eventually hands-on) will be held with a TIAM model having only a few periods - Uwe Remme, Maryse Labriet (TBA)