



## Workshop

### Draft Program (as of January 8, 2010)

Dates: January, 18-23, 2010  
Venue: TERI, India Habitat Centre, Lodhi Road, New Delhi, India  
Contacts: Ritu Mathur, Ph.D, Associate Director, EEP, TERI, <ritum@teri.res.in>  
Dr Atul Kumar, <atulk@teri.res.in>  
GianCarlo Tosato, cell: +39.335.537.7675, <gct@etsap.org> ,

**Monday-Wednesday** January 18-20, 2010 Seminar Hall, TERI

### **TIMES Training**

*(The program is posted at [www.etsap.org](http://www.etsap.org). Participation: restricted.)*

Trainers: Amit Kanudia, Maurizio Gargiulo: VEDA-TIMES  
Ken Noble, Maurizio Gargiulo: ANSWER-TIMES

**Wednesday** January 20, 2010 (11.00-15.30) Magnolia Hall, IHC

### **Informal ETSAP experts meetings**

11.00-13.00 (After the morning coffee/tea break)  
ETSAP-TIAM (<http://www.etsap.org/applicationGlobal.asp#ESTSAP-TIAM>)  
Achievements and development program  
14.00-15.30 (After lunch)  
The ETSAP Technology Data Source (<http://www.etsap.org/E-techDS/>)  
Proposals for improvement and continuation in 2010

**Wednesday** January 20 (16:00-18:00) Magnolia Hall, IHC

### **ETSAP Executive Committee**

*(Agenda and attachments have been sent separately)*

Participants: Delegates, ETSAP officers, invited experts

**Thursday-Friday** January 21-22 Magnolia Hall, IHC

### **Joint TERI – ETSAP Workshop**

*Energy Modelling Tools & Techniques to address Sustainable Development & Climate Change*  
(see next page)

**Saturday** January 23, 2010 Seminar Hall, TERI

### **Training course on advanced MARKAL-ANSWER options**

*(The program is posted at [www.etsap.org](http://www.etsap.org). Participation: restricted.)*

Trainers: Socrates Kypreos, <socrates.kypreos@psi.ch> Theory  
Ken Noble, <noblesoft@netspeed.com.au> Examples



Thursday-Friday, January 21-22, 2010, Magnolia Hall, IHC

## Joint TERI ETSAP Workshop

*Energy Modelling Tools & Techniques to address Sustainable Development & Climate Change*

**8.30-9.00 Registration**

**9.00- 9:30 Opening**

Welcome by Dr R K Pachauri, TERI

Opening Remarks by GianCarlo Tosato, IEA-ETSAP

**9.30-11.00 Session n. 1 Climate Change and Mitigation**

**Chair: Prodipto Ghosh, TERI, India**

Atul Kumar, TERI, India

**Mitigation Options for India: The Role of the International Community**

Denise Van Regemorter, KULeuven, Belgium, and IPTS Sevilla

**Economic cost of climate change in Europe**

Amaro Pereira, Federal University of Rio de Janeiro, Brazil

**GHG Mitigation Strategies and the Energy Options for the Brazilian Power Sector**

Qi Zhang, Graduate School of Energy Science, Kyoto University, Japan

**Study on Integrated Computer Model for Long-term Scenario Analysis of Zero-carbon Energy System and Its Application to Japan**

Discussion

11.00-11.20 Tea/Coffee break

**11.20-13.00 Session n. 2 Energy Security and Co-benefits Analysis**

**Chair Ritu Mathur, TERI, India**

Fabian WAGNER, IIASA

**Co-benefits analysis based on GAINS-Asia model**

Evasio Lavagno, Polytechnic University of Turin, Italy

**The EC REACCESS project on energy corridors and security of supply in Europe**

Kenichi Matsumoto, National Institute for Environmental Studies, Japan

**Energy Mix Change and Energy Security Improvement through Climate Change Mitigation: Analysis of the RCP Cases**

Gilles Guerassimoff, Edi Assoumou, Nadia Maizi, Centre for Applied Mathematics, Mines ParisTech, France

**Biomass for energy uses: assessment methodology for France**

Discussion

13.00-14.00 Lunch

**14.00-15.40**    **Session n. 3**    **New Emerging Technologies and Long Term Energy Models**  
**Chair**                    **Denise Van Regemorter, KULeuven, Belgium, and IPTS Sevilla**

Socrates Kypreos and Hal Turton, Paul Scherrer Institute, Switzerland  
**Climate Change Scenarios Evaluated with MERGE-ETL and Technology Transfer Protocols**

Mariangela Guidolin, Department of Statistical Sciences, University of Padua, Italy  
**The Diffusion of Photovoltaic Energy across Countries:  
Modelling Choices and Forecasts for National Growth Patterns**

David Bruchof, Institute of Energy Economics and the Rational Use of Energy (IER),  
University of Stuttgart, Germany  
**Contribution of alternative fuels and power trains to the achievement of climate protection targets within the EU27**

Gondia Sokhna SECK, Ecole des mines (CMA)/EDF, France  
**A "bottom-up" modelling of the heat recovery potential in the non-energy intensive industry: The case of heat pumps in French food and drink industry**

Discussion

15.40-16.00    Tea/Coffee break

**16.00-18.00**    **Session n. 4**    **Sustainable Cities & Habitats: Integrating Local Level Concerns in Planning**  
**Chair**                    **S. Sundar, TERI, India**

Kari Aamodt Espegren, IFE, Norway  
**Application of TIMES for city level transportation (title to be confirmed)**

Chhavi Dhingra, TERI, India  
**Sustainable cities – A Framework for Analysis**

Thomas Hamacher, Max-Planck-Institute for Plasma-physics, Germany  
**Urban energy systems modelled with TIMES**

Devinder Mahajan, Stony Brook University / BNL, USA  
**(Title to be communicated)**

Roman Kanala, Haute Ecole de Gestion, Genève & Université de Genève  
**First Modelling Attempts with Social MARKAL Approach**

Discussion

18.00            Adjourn

**18.00-20.00**    **Reception at TERI**

Friday, January 22, 2010

9.00-9.30 Uwe Remme, IEA, Energy Technology Office  
**Energy Technology Perspectives 2010**

**9:30-11.00 Session n. 5 Use of the TIMES Integrated Assessment Model (ETSAP-TIAM)**  
**Chair Maryse Labriet, ENERIS, Madrid, Spain**

Kenneth Karlsson, DTU Climate Centre, Risø DTU, Denmark  
**Wind power potentials in global energy models**

Sandrine Selosse, Centre for Applied Mathematics, Mines ParisTech, France  
**Regional impacts of the global carbon stakes: Long term prospective with the ETSAP-TIAM model**

Markus Blesl, Institute of Energy Economics and the Rational Use of Energy (IER),  
University of Stuttgart, Germany  
**The role of the natural Gas supply for Europe: an analysis with TIAM-IER**

Helene Ystanes Føyn, Olexandr Balyk, DTU Climate Centre, Risoe DTU, Denmark  
**A global renewable energy system - A modelling exercise in ETSAP/TIAM**

Discussion

11.00-11.20 Tea/Coffee break

**11:20-13.00 Session n. 6 Energy Planning Tools and Frameworks**  
**Chair Socrates Kypreos, Paul Scherrer Institute, Switzerland**

Kazushige Shimpo, Keio University, Japan / Kartik Krishna Ganju, TERI  
**Life cycle analysis of solar modules and lanterns using an Input-Output Approach**

Andrew Marquard, Energy Environment and Climate Change Programme, University of  
Cape Town, South Africa  
**Sustainable National Accessible Power Planning - accessible creation of rigorous  
future electricity scenarios in South Africa**

Shaligram Pokharel, Nanyang Technological University, Singapore  
**Econometric modelling of energy sector**

R. Shrestha, School of Environment, Resources and Development, Asian Institute of  
Technology, Thailand  
**(Title to be communicated)**

Discussion

13.00-14.00 Lunch

**14.00-15.40**    **Session n. 7    Energy Planning and Policies**  
**Chair**            **Prabir Sengupta, TERI, India**

Amrit Man Nakarmi, SJM SOM, IIT Bombay, Mumbai  
**Modelling for Energy Planning and Policy Analysis for Nepal**

Henrik Klinge Jacobsen and Poul Erik Grohnheit, Risoe DTU, Denmark  
**Tax incidence from environmental taxation**

Shuichi Ashina, National Institute for Environmental Studies, Japan  
**Japan roadmaps toward a Low-Carbon Society by backcasting**

Artite Pattanapongchai, Sirindhorn International Institute of Technology, Thailand  
**Optimization of Energy Supply and Demand in the Thai Power Sector:  
Implication of Renewable Energy in the Long Term Planning**

Discussion

15.40-16.00    Tea/Coffee break

**16.00-18.00**    **Session n. 8    Activities with ETSAP Tools: an Update**  
**Chair**            **GianCarlo TOSATO, IEA-ETSAP**

Francesco Gracceva, National Agency for Energy and Environment, Italy  
**New TIMES-Italy for scenario analyses to support policymakers: preserving  
independence and credibility**

Denise Van Regemorter, KULeuven, Belgium, and IPTS Sevilla  
**(title to be communicated)**

Thomas Alfstad, Brookhaven National Laboratory, USA  
**Highlights of recent US climate policy analysis at Brookhaven National Lab**

Kannan Ramachandran, Energy Economics Group, Paul Scherrer Institut, Switzerland  
**Experience from the development of a new Swiss TIMES Electricity Model**

Bibhakar Shakya, Maryland Public Service Commission, USA  
**Application of OH-MARKAL as Policy Instrument for Ohio's Cleaner and Sustainable  
Energy Future**

Wouter Nijs, VITO, Belgium  
**Technology choices for steel production in TIMES**

**18.00**            **Conclusion of the Workshop**