



The symposium is part of the Coordination Action "Camelia" in the Concerto initiative of the 6th framework program of the European Commission carried out by 16 European universities, companies and research institutes.

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- University of ULSTER (UK)
- CEA - Commissariat à l'Energie Atomique (France)
- University of Stuttgart - Institut für Energiewirtschaft und Rationelle Energieanwendung (Germany)



Registration:

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Location:

Museum Arbeitswelt
 Wehrgrabengasse 7
 A-4400 Steyr (Austria)

Participation fee:

Euro 120,-
 Euro 50,- (students)
 all prices exclusive of VAT

Project Partners



Symposium

"Sustainable Energy Supply for Buildings"

Ecological Potential and Socio-economic
 Acceptance

17th and 18th May 2006
 Museum Arbeitswelt, Steyr (Austria)

Ecological potential and the socio-economic acceptance

The ecological potential and the socio-economic acceptance of projects for sustainable energy supply are getting more and more important for the successful implementation in buildings.

Especially in large scale applications of bio-energy and building projects the non-technical factors have to be regarded carefully in advance, e.g. following the requirements of the new European eco-building directive (2002/91/EC). Concepts of eco-buildings in combination with sustainable energy supply using existing distribution systems lead to new challenges in planning.

Within the EU-Coordination Action "**Camelia**" a multilateral consortium is setting up a best-practice-guide for decision makers for a successful realisation of sustainable energy supply for buildings. Electricity, heat and cold produced by biomass, solar energy, geothermal heat etc. integrated to new energy load profiles are taken into account. Ecological and socio-economic benefits, like local employment, acceptance and personal identification, improvement of living conditions, reaching of climate protection measures etc. are of interest.

The symposium will give the unique opportunity to meet international experts, take up successful evaluation tools and benefit from examples of practical experience.

We invite you to present your poster at the symposium. The number is limited and will be ranked according the application date.

Topics:

- Socio-economic factors
- Environmental impact
- Renewable energy in networks
- Benefits of eco-buildings

Program 17th May 2006 SOCIO-ECONOMIC ACCEPTANCE

11:00 - 12:30 Registration and buffet

12:30 - 14:00 Opening Session

Chair: Johann Bergmair (PROFACTOR)

12:30 Welcome and introduction
Friedrich Mader - Profactor Produktionsforschungs GmbH (A)

12:45 Introduction to the coordination action CAMELIA
Francis Meunier - Cnam Conservatoire National des Arts et Métier (F)

13:15 Socio-economic effects – the drivers of successful bio-energy supply of buildings
Karin Stieldorf - Institut für Hochbau TU Wien (A)

14:30 - 15:30 Session 1: "Methods for integral Implementation of Energy Projects"

Chair: Ludger Eltrop (Universität Stuttgart)

14:30 Socio-economic approaches to development of bio-energy
Erik Ling - Sveaskog (S)

15:00 Methods – eco-buildings in the context of socio-economic evaluation tools
Kari Thunshelle - SINTEF Building Research Institute (N)

16:00 - 17:45 Session 2: "Successful regional and international Examples"

Chair: Francis Meunier (Cnam)

16:00 Non technical hampering factors of bio-energy projects in urban areas
Ludger Eltrop - Universität Stuttgart, Institut für Energiewirtschaft und rationelle Energieanwendung (D)

16:30 Socio-economic experiences - Region Zaragoza (Spain)
Olivier Pastre - Fundación Ecología y Desarrollo (E)

17:00 Acceptance of regional biogas implementation
Wolfgang Baaske - STUDIA Studienzentrum für internationale Analysen (A)

17:30 Further Discussion
Francis Meunier - Cnam Conservatoire National des Arts et Métier (F)

20:00 Evening Event & Poster Presentation

Program 18th May 2006 ENVIRONMENTAL IMPACT

08:30 - 09:30 Opening Session

Chair: Francis Meunier (Cnam)

08:45 Welcome and introduction
Isabel Kuperjans - Technical Thermodynamics, RWTH Aachen (D)

09:00 LCA - Method
Mark Goedkoop - Prè Consultants B.V. (NL)

09:30 - 10:30 Session 1: "Environmental impact of energy consumption in buildings"

Chair: Claude Bouvy (RWTH Aachen)

09:30 Regenerative Energy Supply and Tri-Generation (LCA for buildings)
Gerfried Jungmeier - Joanneum Research (A)

10:00 Modelling and Optimisation of complex energy systems - Efficient Tri-Generation System at Munich Airport
Matthias Rzepka - e.square GmbH (D)

11:00 - 12:45 Session 2: "Carbon Management, Emissions trading and flexible mechanisms of the Kyoto Protocol"

Chair: Christian Schweigler (ZAE Bayern)

11:00 Overview
Roland Geres - FutureCamp GmbH (D)

11:30 Process validation, verification and certification
Werner Betzenbichler - TÜV SÜD Industrie Service GmbH (D)

12:00 Examples: Building Projects and Industrial Energy Systems
Roland Geres - FutureCamp GmbH (D)

12:30 Further Discussion
Christian Schweigler - Bayerisches Zentrum für Angewandte Energieforschung (D)

12:45 Buffet