



2nd European Conference of Municipal Energy Managers



Warsaw 5-6 October 2006

Conference Organiser: Association of Polish Counties

Conference venue:

Hotel Kyriad Prestige, Towarowa Street No 2, Warsaw, Poland

Day 1: 5th of October 2006

08:00 – 09:00 Registration, welcome coffee

09:00 – 10:00 Welcome and introduction

Opening of the Conference: Ludwik Węgrzyn, President of Association of Polish Counties

Danuta Huebner, Commissioner for Regional Development, European Commission

Karol Karski, Chairman of the Polish Parliament Committee for UE

Zbigniew Michniowski, Vice-President of the Bielsko-Biała City, Vice-President of Energie - Cités

Bärbel Dieckmann, Mayor of Bonn, Vice-President of CEMR

10:00 – 10:45 Keynote speech: *Innovative sustainable energy solutions for local and regional development*, Prof. Allan Johansson, Learning Labs for Distributed Economy, Sweden

10:45 – 11:30 Coffee break / opening of the poster session and the exhibition

11:30 – 13:00 Plenary 1: *Debate with local energy agencies and energy managers*

Description:

The aim of this plenary session is to initiate the discussion among local governments and chairpersons of the major European energy agencies on the crucial issues for the sustainable energy development in the local scale. The discussion will focus upon the following areas:

- ways to effectively initiate and implement actions in sustainable energy management in municipalities
- the conditions for a successful energy management at local level
- how can legal frameworks support efficient energy management? What support is needed?

Chair and Introduction: Roman Doubrava, MERG Chairman, Energy Centre Bratislava, Slovakia

Round table participants:

- Anatoliy Kopets, Lviv, Ukraine
- Sandro Picchiolutto, Modena, Italy
- Suvi Holm, Tampere, Finland
- Sébastien Contamine, Aduhme, France
- Sławomir Pasierb, FEWE Katowice, Poland
- Zdravko Genchev, Director of EnEffect, co-ordinator of EcoEnergy Municipal Network, Bulgaria

13:00 – 14:30 Lunch break

14:30 – 16:00 Parallel workshops

Workshop 1a. Rational use of energy: electric appliances and lighting

Description:

Electric appliances at homes, offices and as an important part of municipal infrastructure are inevitable in our daily life. However, they significantly contribute to energy consumption and generation of the related external costs. The aim of this session is to present how to mitigate the problem of excessive energy consumption in homes, offices and urban infrastructure due to the application of new technologies enhancing energy efficiency of the devices themselves, modernization of energy systems and promoting energy-saving habits.

Chair: Martin Cahn, Energie – Cités

Speakers

- Holger Vogelsang, Dena, Germany
- Berno Ram, Philips Lighting, Netherlands
- Sławomir Pasierb, FEWE Katowice, Polish Efficient Lighting Project (*PELP*)

Workshop 2a. Renewable energy: heating

Description:

Organisation of the biomass-based heat generation system in a local scale requires involvement of companies and persons with different specialities and precise co-ordination of their actions. Apart from the biomass-based heat generating technology, it is necessary to organize a well working supply system ensuring continuity of supplies. Such a system requires precise co-ordination of harvesting activities, transportation, storage and treatment to ensure a good fuel quality. This session focuses upon presentation of good practices in the organization of the system allowing for continuous and reliable work of biomass-based heat plants as well as presentation of possibilities of increasing RES heat energy systems' efficiency through integration with other RES energy sources and the use of other specific technologies in order to increase the efficiency of the system.

Chair: Józef Neterowicz, Association of Polish Counties

Speakers:

- Andrzej Koniecko, Deputy Chairman of the County Council in Lidzbark Warmiński, Poland: Biomass heating: planning, financing and creation of new jobs

- Christoph Heitland, Germany, Representative of Hohendubrau and Zgorzelec municipalities: Presentation of integrated biomass and solar heating project financed by INTERREG Cross Border Co-operation Initiative
- Lars Tiberg, Sweden: Methods for increasing efficiency in biomass fired district-heating systems through heat recovery – Swedish experiences.

Workshop 3a. Energy planning: local energy planning

Description:

The aim of this workshop is to present and discuss the role of energy planning in municipalities, both in terms of its meaning for the internal energy management in municipality as well as in relations with potential private investors from energy sector. Local energy plans constitute a significant part of the local sustainable development policy. Presentations shall illustrate how local energy planning contributes to local development, sustainability and improvement of economic conditions. For this purpose, issues related to legal status and methods of energy planning shall be discussed as well as how (or whether) energy planning should be connected with spatial development and environmental policies of the municipality. Presentations shall also emphasise the importance of social consultations. This session should result in conclusions on how energy planning can be conducted in order to efficiently support local development and become a tool to attract private investors.

Chair: Pim Koegler, CEMR and Marcin Włodarski, EC BREC Institute for Renewable Energy, Poland (introduction based on Polish experiences)

Speakers:

- Edward Then, municipality of Bielsko-Biała, Poland: integrated system of energy management within Land Information System; PHARE Cross boarder project
- Harry Meerwijk, Energy Agency Delft/Zoetermeer, Netherlands - Participation of local communities in the energy investment planning and implementation process
- Pirit Lindholm, CEMR, Belgium: Presenting the Energy Guide – Mainstreaming energy and including energy aspects in planning

16:00-17:30 Visits to the conference exhibition and posters presentation, announcement of the winners of the contest for the best poster presentation

Opening: representative of Ministry of Economy, Poland

19:00 – 21:00 Evening reception

Day 2: 6th of October 2006

09:00 – 9.45 Keynote speech: *Financing and funding of sustainable energy investments: best practice examples from Poland*, Prof Maciej Nowicki, EkoFundusz Foundation

9.45 – 11.00 Plenary 2: *Public – Private or Public – Public Partnerships for sustainable energy policy*

Chair: Boris Papousek, Graz Energy Agency, Austria

Description:

High capital costs required to implement a top-quality efficient technology often discourage municipalities from conducting investment activities involving modern energy technologies utilizing RES. In many cases, investments involving public and private capital are not popular in municipalities. This session aims at conducting a discussion on the ways of conducting investments in PPP (Public & Private Partnership) formula (including ESCO) securing clear mechanisms of selection and co-operation

between public and private partners. Participation of banks' representatives aims at presenting the possibilities of banks' participation in financing energy investments realized in PPP formula.

- Volker Kienzlen, KEA, Germany
- Klemens Leutgöb, EVA, Austria
- Representative of the bank: Implementation of energy investments in ESCO formula
- Paweł Ołubek, representative of BISE Bank, Poland: Experience from small scale bank loans and co-financing of PPP investment in RUE and RES in Polish municipalities
- Bill Edrich, Kirklees, UK: Revolving fund system

11:00 – 11:30 Coffee break

11:30 – 13:00 Parallel workshops

Workshop 1b. *Rational use of energy: Modernisation of public buildings and heating systems*

Description:

Public buildings, due to their purpose and method of use, are exposed to excessive consumption of energy. Constant movement of people and the need to provide comfortable conditions, required by legal regulations, to employees as well as clients of the institutions make the public buildings an important part of the energy budget of a municipality. The session aims at presenting various solutions designed and implemented in order to enhance the energy efficiency of the public buildings. Successful case studies will provide an overview of activities that can be undertaken in public buildings, including technical solutions aiming at RES and RUE integration for enhancing efficiency.

Chair: Peter Schilken, Energie – Cités

Speakers:

- Stane Merse, JSI, Slovenia: CogenChallenge Campaign
- Jürgen Görres, Stuttgart, Germany: EROS and CareRES two case studies describing the modernisation of buildings
- Bill Edrich, Kirklees, UK: Boiler Replacement Programme

Workshop 2b. *Renewable energy: electricity*

Description:

Many of new member states of the EU is characterized by a large share of rural areas in the land-use structure, where electricity supply may be troublesome due to geographic and resulting financial conditions, due to the need of building the necessary technical infrastructure. Those areas are also characterized by availability of land and resources allowing for development of local electricity sources based on renewables and creating local networks for electricity supply. The aim of this session is to present solutions for RES electricity development in urban and remote rural areas ranging from energy planning to technologies.

Chair: Katarzyna Michałowska-Knap, EC BREC Institute for Renewable Energy, Poland

Speakers:

- Friedhelm Naujoks, City of Bonn, Germany: PV and solar thermal in schools
- Jerzy Suchański and Waldemar Szyszko, Foundation of Electrification of Rural Areas, Poland How to combine rural re-electrification, energy planning and renewable energy investment connected to the low voltage grid

- Marek Tołkacz, President of OPEC Grudziądz (district heating enterprise), Poland: Combined heat and power generation based on biomass in OPEC Grudziądz.

Workshop 3b. Energy planning: using structural funds for sustainable energy projects

Description:

Administrational procedures for municipalities applying for co-financing to the investment projects in energy infrastructure are usually favourable to those, which have been included into municipal energy plans. The aim of this workshop is to provide knowledge on how to conduct energy planning to select the projects of the greatest potential in terms of improvement of energy system efficiency as well as methods of their selection adapting to the requirements of procedures for application for financial support from structural funds.

Chair: Grzegorz Wiśniewski, member of Advisory Group of ManagEnergy, EC BREC Institute for Renewable Energy, Poland (introduction: challenges in using structural funds for energy projects)

Speakers:

- Juraj Krivosik, SEVEn, Czech Republic: How to better use the Structural Funds? The example of the RUSE project operation
- Rita Biacs, Hungarian Energy Agency, Hungary: Hungarian experiences with the planning and use of structural funds for sustainable energy investments
- Włodzimierz Mazurek, National Fund for Environmental Protection and Water Management, Poland: Financing from structural funds and co-financing from national funds of sustainable energy project.

13:00 – 14:00 Lunch break

14:00 - 15:00 Parallel workshop

Workshop 1c. Rational use of energy: awareness raising in schools

In order to ensure sustainable behaviours towards energy, it is necessary to conduct educational activities addressed both to children and adults. Case studies to be presented and discussed during this workshop aim at transferring knowledge on effective methods of adults and children education in energy, conducted by local energy agencies, non-governmental organizations in local schools.

Chair: Maria Stankiewicz, Polish Network of Energie - Cités

Speakers:

- Camelia Rata, Brasov, Romania: The Display Campaign
- Bill Griffin, Cork County, Ireland: SchooBIE-DO - Promoting sustainable energy management in school buildings
- Zdzisław Matysiak, Ekoenergia Cieszyn, Poland: Experiences of Ekoenergia Cieszyn Association in local sustainable energy educational operations.

Workshop 2c. Renewable energy: biofuels (municipal fleet and public transport)

Description:

In municipal energy planning, costs generated by the energy to be supplied to the municipal fleet of vehicles serving local administration and public transportation are rarely taken into consideration. Public transportation has a significant potential for emission reduction, by economically and ecologically effective measures, such as the application of biofuels. The session aims at presenting the experience in biofuels utilization in various places in Europe, for the purpose of public transportation

and municipal fleet, legal barriers related to the production and distribution of locally produced biofuels.

Chair: Kostas Konstantinos (MERG expert on biofuels and sustainable transportation)

Speakers:

- Jonas Ericson, City of Stockholm, Sweden: Promotion of biofuels and clean vehicles
- Adam Kupczyk, EC BREC/Institute for Renewable Energy, Poland: Experiences from implementation of biodiesel in city buses in Poland, Local Innovative Biodiesel project - IEE/ALTENER)
- Jan Mańka, Association of Regional Producers of Rape Seeds in Podkarpackie Province, Poland: Regional system of organisation of local bio-oil and biodiesel producers.

Workshop 3c. Integrated energy planning

Description:

Energy planning plays a crucial role in the process of the entire RES as well as RUE. At the local and regional level, integrated energy planning, understood as a system embracing regional, county and municipal level, linked with the systems of economic programming, spatial development and environmental policy, has a crucial meaning for the reinforcement of the role of the sustainable energy. Integrated energy planning system shall particularly constitute an important element of the system supporting RES sector development by supplying data on the available resources, stage of their utilization and implemented investment projects. Such information system makes it possible to monitor effectively the development of the sector, to identify areas worth financial support from ecological funds and verify the guidelines of the RES policy.

The aim of this session is to present and discuss the purposefulness of energy planning at any other than local levels of self-governing administration and how legally established links to other planning systems may contribute to the RES sector development.

Chair: Piotr Pawelec, President of the Management Board, Podkarpackie Region Energy Agency in Rzeszów and Grzegorz Wiśniewski, EC BREC Institute for Renewable Energy, Poland

Speakers:

- Keith Richards, TV Energy, UK: Integrated energy planning in Thames Valley (experiences from CONCERTO project/FP6)
- Eva Dalman, City of Malmö, Sweden: Malmö Bo 01
- Jerzy Ziora, Marshal's Office of the Silesian Province, Poland: Energy planning at the regional level.

15:00 – 16:00 Plenary 3: Summary and closing words

Representative from DG TREN: New DG TREN initiative in sustainable energy policy

General conclusions: Pim Koegler, CEMR and /or Gérard Magnin, Energie - Cités

Closing words: Andrzej Czerwiński, Member of Polish Parliament, Chairman of Parliamentary Committee for Energy.

PARTNERS



The Organiser reserves the right to change the programme