

EUROPEAN CONFERENCE AND COOPERATION EXCHANGE ON SUSTAINABLE ENERGY SYSTEMS FOR BUILDINGS AND REGIONS 2005



PROGRAM

WIRTSCHAFTSKAMMER ÖSTERREICH
RUDOLF SALLINGER SAAL
1040 VIENNA, WIEDNER HAUPTSTRASSE 63



VIENNA, AUSTRIA
OCTOBER 5TH - 8TH, 2005

WEDNESDAY, OKTOBER 5TH

from 10:00 Registration

Rudolf Sallinger Saal WELCOME TO EUROPEAN CONFERENCE
AND COOPERATION EXCHANGE
ON SUSTAINABLE ENERGY SYSTEMS
FOR BUILDINGS AND REGIONS 2005

12:00-13:00 Lunch

Rudolf Sallinger Saal CONFERENCE OPENING

13:00-13:40 Welcome

Stephan Schwarzer, Wirtschaftskammer Österreich (Austria)

Sustainable energy systems for Central Europe
Brigitte Bach, arsenal research (Austria)

Energy in the EU-Framework Programme - present and future perspectives
Manfred Horvat, Director European and International Programmes, FFG -
Austrian Research Promotion Agency (Austria)

Important topics in energy research and technology development in Austria
Michael Hübner, Bundesministerium für Verkehr, Innovation und Technologie
(Austria)

Rudolf Sallinger Saal PLENARY SESSION:
THE CONCERTO PROGRAMME OF THE EUROPEAN COMMISSION
AND FIRST IMPLEMENTED PROJECTS

13:40-14:10 RENAISSANCE: Report on the development of a CONCERTO project
with the municipalities of Lyon (France), Zaragoza (Spain)
and Bracknell (United Kingdom)
Mary Miller, TV Energy, Liberty House, The Enterprise Centre,
England (United Kingdom)

14:10-14:40 POLYCITY: Polygeneration and regional energy management
in Scharnhauserpark (Germany), Cerdanyola del Valles (Spain), Turin (Italy)
& Implementation of a district heating and cooling concept
in Cerdanyola del Valles (Spain)
Martin Stohrer, Hochschule für Technik, Stuttgart (Germany)

14:40-15:10 cRRescendo: Integration of renewables in city planning and architecture
- tendering for project developers
Edwin van der Wel, Municipality of Almere (The Netherlands)

15:10-15:30 Open call requirements for projects in the CONCERTO programme
Jean-Marie Bemtgen, European Commission

15:30-15:40 Discussion

15:40-16:00 Coffee break & poster presentation

Rudolf Sallinger Saal

**PARALLEL SESSION:
ENERGY EFFICIENCY STRATEGIES IN BUILDINGS**

- 16:00-16:20 Energy management in public buildings in Neuburg an der Donau
Thomas Dahms, Wilfried Zörner,
f10 - ForschungsZentrum für Erneuerbare Energien (Germany)
- 16:20-16:40 Strategies for the ecological rehabilitation of panel buildings in Brno
Adil Lari, Austrian Consulting Engineers Group ZT-KEG (Austria)
- 16:40-17:00 Energy conservation with solar energy use in residential buildings:
the example of Nobel's Residence in Saint-Petersburg City
Viktor Elistratov, Anna Kochanova,
Saint-Petersburg State Polytechnical Univerisity (Russia)
- 17:00-17:10 Discussion
- 17:10-17:30 EPA-NR, assessment method of energy performance of non residential
buildings in Europe
Gerelle van Cruchten, Bart Poel, EBM-Consult (The Netherlands)
- 17:30-17:50 Implementation of the EU-Directive on the energy performance
of buildings in Vienna
Petra Ebert, Municipal Department for EU-Strategy and Economic Development,
City of Vienna (Austria)
- 17:50-18:00 Discussion

Saal 7

**PARALLEL SESSION:
REGIONAL ENERGY CONCEPTS AND ENERGY MANAGEMENT**

- 16:00-16:20 Energy efficiency master plan - the appropriate policy instrument for Vienna
Edgar Hauer, Municipal Department for EU-Strategy and Economic
Development, City of Vienna (Austria)
- 16:20-16:40 Energy self-sufficient district Güssing
Christiane Brunner, Manfred Hotwagner,
Europäisches Zentrum für erneuerbare Energie Güssing GmbH (Austria)
- 16:40-17:00 Municipal energy concept Presov: aspects of supply side (geothermal
energy) and demand side (panel buildings)
Juraj Kopcák, European Technological Centre PREŠOV (Slovak Republic)
- 17:00-17:10 Discussion
- 17:10-17:30 Development of a sustainable municipal energy concept
in Neuburg an der Donau
Christian Stettner, Wilfried Zörner,
f10 - ForschungsZentrum für Erneuerbare Energien (Germany)
- 17:30-17:50 Energy management and power quality in electricity networks
Roland Bründlinger, Helfried Brunner, arsenal research (Austria)
- 17:50-18:00 Discussion
- 20:00-22:00 RECEPTION AT RATHAUSKELLER

THURSDAY, OKTOBER 6TH

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PLENARY SESSION:

ECO-BUILDING - GOOD PRACTISE AND POTENTIAL ASSESSMENTS

- 9:00-9:20 Eco-buildings in the 6th Framework Programme - the example SARA
Mike Barker, GESP, University of Barcelona (Spain)
- 9:20-9:40 Eco-buildings in Austria and Slovenia: planned and realised innovations
Anita Preisler, arsenal research (Austria)
- 9:40-10:00 Lived sustainability in a rural community:
first settlement of passive houses for test-living
Helmut Bruckner, Harald Wurzer, Sonnenplatz (Austria)
- 10:00-10:20 Air conditioning, cooling and climate protection:
technologies, profitability and CO₂ reduction potentials
Günter Simader, Austrian Energy Agency
- 10:20-10:30 Discussion
- 10:30-10:50 Coffee break & poster presentation

DEADLINES, REGISTRATION & HOTEL

REGISTRATION

Registration fees

	Regular participants	New EU and candidate countries*	Students
3 days	EUR 285,00	EUR 150,00	EUR 60,00
2 days	EUR 190,00	EUR 100,00	EUR 40,00
1 day	EUR 95,00	EUR 50,00	EUR 20,00
Technical tours	EUR 35,00	EUR 20,00	EUR 10,00

*Participants from Croatia, Bulgaria, Romania, Turkey, Estonia, Latvia, Lithuania, Poland, Slovenia, Slovakia, Czech Republic, Hungary, Malta, Cyprus

Persons who register but are unable to attend the Congress will receive a 50% refund of the registration fee paid, provided that a written request is received by the secretariat on or before September 1st, 2005. No refunds will be issued after this date. All approved refunds will be processed and issued 30 days after the meeting. Cancellations must be received in writing! Please use the online registration form to register for the congress:
<http://www.irca.at/energy>

POSTERS

- 15.08.2005 **Deadline for submission of posters**
<http://www.irca.at/energy>
(No registration fees for presenters of accepted posters)

COOPERATION EXCHANGE EVENT

- 05.09.2005 Deadline for submission of technology profiles at www.irca.at/energy
22.09.2005 Deadline for selection of personal one to one meetings from the event catalogue

HOTEL

For hotel reservations and booking policies please visit our official homepage:
<http://www.irca.at/energy>

Rudolf Sallinger Saal	PARALLEL SESSION: MONITORING BUILDING PERFORMANCE
10:50-11:10	Architecture and energy savings: building design and actual performance of innovative buildings Arch. Georg W. Reinberg (Austria)
11:10-11:30	Monitoring data from innovative renewable heating and cooling technologies in office and production buildings Wilfried Zörner, f10 - ForschungsZentrum für Erneuerbare Energien (Germany)
11:30-11:50	Integral energy research in dwellings: simulation of energy performance and verification through measurements Ernst-Jan Bakker, Wim van Helden, Frans Ligthart, Roelof Schuitema, Niels Sijpheer, Karin Strootman, ECN, Energy Research Centre of The Netherlands
11:50-12:00	Discussion
Saal 7	PARALLEL SESSION: REGIONAL INTEGRATION OF RENEWABLE ENERGIES
10:50-11:10	Polygeneration - regional energy production from biomass: heat, electricity, fuels Hermann Hofbauer, Technische Universität Wien (Austria)
11:10-11:30	Bio-energy cycle Mureck Karl Totter, SEEG Mureck (Austria)
11:30-11:50	Prospects of wind power development in Lithuanian regional energy supply Aleksandras Paulauskas, Matas Tamonis, Lithuanian Energy Institute (Lithuania)
11:50-12:00	Discussion
Saal 321	PARALLEL SESSION: IMPROVEMENTS IN ENERGY EFFICIENCY
10:50-11:10	Performance of 10 heat pump systems in a field test Niels Sijpheer, Karin Strootman, Energy Research Centre of The Netherlands
11:10-11:30	Modern pellets combustion technologies - a contribution to sustainable energy solutions for households and buildings Günther Friedl, Walter Haslinger, Bernhard Voglauer, Manfred Wörgetter, Austrian Bioenergy Centre GmbH (Austria)
11:30-11:50	Application of drainwater heat recovery systems in dwellings Roelof Schuitema, ECN, Energy Research Centre of The Netherlands
11:50-12:00	Discussion
12:00-13:00	Lunch
13:00-19:00	COOPERATION EXCHANGE EVENT
Rudolf Sallinger Saal	The cooperation exchange event is an exceptional opportunity to meet other innovative companies, research organisations and public administrations through one to one meetings to discuss a possible form of cooperation for research, license, production and distribution agreements. The meetings are planned in accordance with the wishes of the participants and on previously selected matched technology profiles from the renewable energy event catalogue.
14:00-18:00	Possibility of individual advice on new CONCERTO call (organized directly on the conference)
Saal 333	
19:30-23:00	HEURIGER

FRIDAY, OKTOBER 7TH

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PARALLEL SESSION: RENEWABLE ENERGY FOR INDUSTRY AND SERVICES

- 9:00-9:20 **SolProBat - optimisation concept for integration of heat recovery and thermal solar energy in production processes**
Christoph Brunner, Thomas Schnitzer, Joanneum Research - Institut für Nachhaltige Techniken und Systeme; Thomas Müller, AEE INTEC; Gernot Gwehengerger, TU Graz - RNS (Austria)
- 9:20-9:40 **Solar cooling for the Solar-Laundry in Vienna**
Michael Neuhäuser, Olivier Pol, Tim Selke, arsenal research (Austria)
- 9:40-10:00 **Business model for large industrial thermal solar systems**
Christian Holter, Hubert Steiner, Horst Strießnig, S.O.L.I.D. Ges. für Solarinstallationen und Design GmbH (Austria)
- 10:00-10:15 **Discussion**

Saal 8

PARALLEL SESSION: REGIONAL INTEGRATION OF RENEWABLE ENERGIES

- 9:00-9:20 **BIOGas - integration in existing gas grids**
Mathias Theissing, FH-Joanneum - Infrastrukturwirtschaft (Austria)
- 9:20-9:40 **Excess permeability heat network renovation possibilities with regard to improved competitive ability of district heating systems against individual heat generation sources**
Vaclavas Kveselis, Sigitas Masaitis, Darius Strazdas, Matas Tamonis, Lithuanian Energy Insitute (Lithuania)
- 9:40-10:00 **Incentives for distributed generation in Austria - current situation and necessary improvements to achieve cost reduction of integration**
Philip Späth, Harald Rohrer, IFZ (Austria); Dierk Bauknecht, Öko-Institut Freiburg (Germany); Uwe Leprich, E&E Consuli, Saarbrücken (Germany)
- 10:00-10:15 **Discussion**

Saal 3

PARALLEL SESSION: INNOVATIONS IN ENERGY TECHNOLOGIES

- 9:00-9:20 **PVT Research at ECN: combined photovoltaic and thermal solar collectors**
M. Bakker, W.G.J. van Helden, H.A. Zondag, M.J. Elswijk, ECN, Energy Research Centre of The Netherlands
- 9:20-9:40 **The multi solar window**
Ami Elazari, Millennium Electric T.O.U. Ltd (Israel)
- 9:40-10:00 **Development of pellets fired tiled stoves**
Hermann Hofbauer, Vienna University of Techn. Chemical Engineering; Birgit Musil, Austrian Bioenergy Centre GmbH; Thomas Schiffert, Österr. Kachelofenverband (Austria)
- 10:00-10:15 **Discussion**



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PLENARY SESSION: NETWORKING AND IMPLEMENTATION STRATEGIES

- 10:40-11:00 Research network for supporting distributed generation by renewable energy in Europe (Network of Excellence - DER LAB)
Hubert Fechner, arsenal research (Austria)
- 11:00-11:20 PVT Roadmap: a European guide for the development and market introduction of PVT Technology
M. Bakker, M. J. Elswijk, W. G. J. van Helden, H. A. Zondag, ECN, Energy Research Centre of The Netherlands
- 11:20-11:40 Chinese energy saving strategy and technology innovation
Xu Xiangyang, China University of Mining and Technology, Beijing (China)
- 11:40-11:50 Discussion
- 11:50-12:10 Heat pumps for different applications - survey of status quo and future outlook
Martina Höller, Leistungsgemeinschaft Wärmepumpe Austria
- 12:10-12:30 KinG - the competence network for building service technologies
Susanne Geissler, arsenal research (Austria)
- 12:30-12:45 Discussion and final statement

SATURDAY, OKTOBER 8TH

TECHNICAL TOURS

- 9.00-18.00 Technical tour "sustainable region": Großschönau (Lower Austria)
Introduction: sustainable municipal development of Großschönau
Visiting sights: community center, 1st vegetable small sewage plant in Lower Austria, biomass heat plant, passive-houses for test living
- 9.00-17.00 Technical tour "eco-buildings":
Passive hall of residence for students (Wien), SOL4 passive office and seminar center (Mödling), loam-passive office building (Trattendorf)



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