International Seminar on Advanced Decentralised Energy Generation
and course on local biomass-to-energy applications
Setúbal 29 to 30th March 2007

Progresses on decentralized generation are closely associated to renewable energy, energy efficiency, co-generation, diversification of sources, and hybrid systems integration. Additionally, positive impacts on rural development, urban rehabilitation, employment and environment protection have often been successfully correlated to decentralized generation.

Strategies to promote decentralized energy generation combine two key factors:
- promotion of technologies able to accommodate local decentralized generation project specificities;
- local business environment able to support energy projects, in special when endogen bio-resources are involved.

Decentralized generation success relies, also, on the effort of researchers, technologists and promoters to disseminate concepts, achievements and results. This International Seminar is part of such effort. Results and experiences from four European projects will be shared with those willing to join the opportunities in decentralised energy generation markets. This seminar is part of the SEURES training programme and consequently open to all the participants.

Venue:
Escola Superior de Tecnologia de Setúbal
Campus do Instituto Politécnico de Setúbal
2910-761 Setúbal, Portugal
Directions may be found at: www.est.ips.pt

Registration:
Registration is free of charge. The participants should register sending the following data to seminar@irradiare.com:
Name: ____________________________
Institution: ____________________________
Country: ____________________________

The seminar is part of the SEURES Five European RES-Heat Pilots project capacity building activities.

Results and progresses from the following European projects are presented:
ADEC - Advanced Decentralised Energy Generation Systems in Western Balkans, INCO-2001-509187
5 EURES Five European RES-Heat Pilots - Intelligent Energy Europe, EIE-2003-086
PURE - Promoting the use of photovoltaic systems in the urban environment through demo relay nodes - EIE/05/051/SI2.420200
ENER-in-TOWN - Monitoring and control of energy consumption in municipal public - EIE/05/118/SI2.419653

PROGRAMME
Day 1, March 29 – Integrated perspectives (in English)
9.30 Participants reception and coffee
10.00 Welcome and opening addresses
Dr. Luís Alves – IDMEC / IST – rgESD
Eng. Marcos António Nogueira
Prof. Luís Coelho – Escola Superior de Tecnologia de Setúbal
10.20 Key-note lecture
The ADEG project key result – maximizing opportunities for renewable energy sources
Dr. Dionyssios Giannakopoulos – National Technology University of Athens
10.50 Coffee break
11.10 Hybrid systems
Decentralized wind-power systems
Dr. Goran Krajacic – University of Zagreb

11.30 Biomass
Biomass gasification potential assessment for integration in rural and urban areas
Dr. Borislav Grubor – Vince Institute, Belgrade

11.50 Mini-hydic
Small-hydro generation integration potential
Mr. Adnan Djugum – Sarajevo University

12.10 Bio-power
Biogas power generation solutions
Mr. Adelaido Rodrigues – GE Jenbacher Gas Engines

12.30 Lunch break

14.30 Solar power
Thermal solar power generation applications
Mr. Nicolas Ordonez – PSE GmbH, Freiburg

14.50 Decentralized generation
Decentralized power generation within distribution grids
Prof. Joachim Lehner – University of Stuttgart

15.10 Coffee-break

15.30 Regional development I
Biomass-to-energy sustainability assessment methods
Prof. Nuno Pedro – Escola Superior Agrária de Castelo Branco

15.50 Regional development II
Decentralized energy generation as part of regional development strategies
Dr. Guillermo Basañez – EVE, Bilbao

16.10 Innovation in energy and climate
Entrepreneurial knowledge and innovation strategy for new offer in energy sustainability
Dr. Mohammed Khaliq – Windsun, Eindhoven

16.30 Renewable-based hybrid case-studies
Decentralised Energy Generation Systems in Europe
Eng.ª Raquel Segurado – IDMEC / IST - rgESD

16.50 Concluding address
Innovation and cooperation in energy - the IBEROEKA and CORNET-ERA initiatives
Dr. Carlos Lajas, Agencia de Inovação – Director for International Programmes, Lisboa

11.20 Licenciamento ambiental

11.50 Gestão florestal municipal
Dr. Luís Vitorino – Gabinete Florestal da Câmara Municipal de Marvão

12.20 Opções tecnológicas
Eng. Ulisses Fernandes – Instituto Superior Técnico

12.50 Almoço

14.30 Estudo de sustentabilidade do recurso
Eng.ª Rita Cerdeira – Escola Superior de tecnologia de Setúbal

15.00 Modelação de sistemas energéticos
Eng. Rui Martins – Instituto Superior Técnico

15.30 Enquadramento regulamentar
Eng.ª Sofia Martins – IrRADIARE, Science for Evolution®, Lda

16.00 Integração de serviços energéticos
Eng. Ricardo Miranda – IrRADIARE, Science for Evolution®, Lda

16.30 Debate de encerramento – Perspectiva empresarial para a geração desconcentrada
Moderação:
Dra. Elsa Nunes – IrRADIARE, Science for Evolution®, Lda

17.00 Conclusão