

BIOCOGEN

Existing or Proposed Project:	Started: 1st December 2001 Duration: 24 Months
Location:	Thames Valley
Project Leader:	Centre for Renewable Energy Sources/Biomass Centre (EL)
Description:	This is a thematic network project with the main goal to provide technical and economic data and deal with the key issues for the implementation of biomass CHP in Europe, aiming to facilitate the establishment of projects generating the equivalent of 26 Mtoe biomass CHP by 2010.

Background

Currently, with the use of available technology and resources, biomass contributes around 3%, some 45 million tonnes oil equivalent (Mtoe), of the energy needs of the EU. However, as set out in the White Paper: Energy for the future: Renewable Sources of Energy, COM (97) 599, the goal is to significantly increase the use of biomass, adding a further 90 Mtoe by the year 2010. Of this total, 26 Mtoe in CHP is defined as one of the high strategic priorities for the EU until 2010.

However, in spite of the energy efficiency advantage of CHP, such plants contribute to less than 10% of the power supply in most countries, and in the others the contribution is extremely small. Such a position raises severe doubts as to whether the aforementioned targets can be achieved efficiently and in time.

Project Activities

The project objective will be achieved through the implementation of the following tasks:

- A review of the national and international activities on biomass CHP (RTD projects, biomass and cogeneration networks, IEA Bioenergy)
- A market analysis of biomass CHP (based on biomass potential in relation to the energy market) in the EU and the participating Eastern European Countries,
- The provision of information (through country surveys based on uniform questionnaires) on the current situation on biomass CHP in the EU and the participating Eastern European countries,
- The determination of the factors which fostered or hindered biomass CHP to date
- The identification of "flagship" projects,
- The dissemination of the results through educational and training activities as well as through the development of a web-site on biomass CHP.



Windsor Leisure Centre has a CHP plant installed.

Project Partners

- TV Energy
- Institut Technique Europeen du Bois-Energie
- Sveriges Lantbruksuniversitet
- Joanneum Research Forschungsgesellschaft mgH
- Technical Research Centre of Finland
- Slovenian Forestry Institute
- Ecolinks-Regional Environmental Committee
- TUBITAK - Marmara Research Centre
- EnergiGruppen Jylland a/s