

Sector: Bio-gas
Country: Denmark
Location: EU

Bio-gas

Promotion programme for Bio-gas from waste and agriculture

Background

As mentioned, in the White Paper on RES and in the Campaign for Take-off, the exploitation of bio-gas has an important environmental benefit, as it mitigates the emission of methane, one of the most powerful greenhouse gases. The contribution of bio-gas from livestock production, agro- industrial effluents, sewage treatment and landfill is estimated to 1,5 Mtoe by 2010. During the last ten years, both large-scale bio-gas plants but also small farm-scale plants have been established throughout Europe and it is expected that a market will develop for both options. Landfill gas recovery has been established at many existing landfill sites.

In order to achieve the goals of the Campaign for Take-Off, it is of crucial importance that the existing knowledge, know-how and technologies in the area of bio-gas are disseminated and promoted and as many implementation steps as possible are taken.

Another important role of the dissemination activities is to bring the public and the private sector closer together, to help and support the private sector to involve all interested parties in promoting renewables and to involve a range of main actors in the Campaign for Take-off.

Promoter:

Bioenergy Department, University of Southern Denmark.

Parties involved:

Swedish National Energy Administration (STEM)
 Netherlands Agency for Energy and Environment (NOVEM)
 German Biogas Association (GBA)
 Technical University of Vienna (TUWien)
 Finish Biogas Association (FBC)
 Centre for Renewable Energy Sources (CRES)
 Centro da Biomassa para a Energia (CBE)
 Italian Biomass Association (ITABIA)
 Energy-Development-Environment Association (EDEN)
 Tipperary Rural and Business Development Institute (TRBDI)



Bio-gas Plant in Denmark

Objectives/Actions

Dissemination activities can help remove the technical and non-technical barriers, raise public awareness, awareness of the main bio-gas actors and target groups, promote the export and open new markets for EU renewable technologies, facilitate the access to financing and the investment in RES installations, etc.

The Bioenergy Department of the University of Southern Denmark proposes to undertake a bio-gas dissemination programme for the period 2000-03 with the following main actions:

1. Continuing and reinforcing the action oriented towards EU-countries and third, in particular candidate countries, where the demand and the potential is appropriate, by the means of organising and carrying out bio-gas seminars/conferences, business forums/contractor meetings, workshops and study tours. These main activities will be organised in close relationship with the aims of the Community Strategy and Action Plan, in the field of Renewable Energy Sources, the Campaign for Take-off.
2. Planning, organising and conducting "Bio-gas Mini Training Actions", using demonstration and educational material, mainly aimed at countries where bio-gas technologies are not yet well developed. These actions always include well-organised and structured study tours to the developed bio-gas areas in the EU-15, such as Denmark, Germany, Sweden, etc. The mini training actions include also third candidate countries, for participation and mutual transfer of knowledge.
3. Detecting and promoting business opportunities, with the aim of developing industrial and commercial co-operation in the field of bio-gas and landfill gas. Activities like business forums combined with mini demonstrations, exhibitions of material and poster sessions, as well as independent activities, but also as integrated in a larger frame of exhibitions, conferences, etc., are strongly promoted.
4. The output and the results of the activities of Campaign for Take-Off events, and mini training actions will be further disseminated by the means of publications, proceeding reports, workshops, publishing articles in professional journals, and by means of the Internet homepages as well as other media, such as videos and television programmes.

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5. The Bioenergy Department wishes to continue and to develop the activities of exchange of information, mutual assistance, collaboration, sharing of knowledge and experience between the EU-countries and with other potential partners inside, and outside Europe, and by this, to continue and to develop the expert assistance, dissemination and promotion of bio-gas as renewable energy source in close relationship to the aims and goals in the White Paper of Renewable Energy in EU-15.

Time Planning

	Activities in 2000	Activities in 2001	Activities in 2002	Activities in 2003
Mini training actions with national partners	3 - 4	3 - 4	3 - 4	3 - 4
Bio-gas event Conference/Seminar				
Workshops Targeted actions	1 - 2	1 - 2	1 - 2	1 - 2
Business Forums Participation in fairs, trade, actions, etc.	3 - 5	3 - 5	3 - 5	3 - 5
Participation in major DG Energy & Transport Events (Awards, etc..)				
Europe - Asia - America joint activities				

Financing:

The financing of the dissemination activities will come from different sources. Waste for Energy network activities will partly be covered by DG TREN, and partly by the partners involved. The Danish Energy Agency will partly cover internationally activities like study tour planning and partly by the clients themselves. Sponsors will be searched at official events there will be participation fees at training actions and seminars.

Management:

The Bioenergy Department, University of Southern Denmark will take care of the management in full co-operation with different partners. The partners will be chosen according to the skills needed for the different jobs. Many countries and regions will be targeted during the period of Campaign for Take-Off. The Waste for Energy network partners and other renewable energy centres and universities will be the partners for the management.

Monitoring:

Programmes, participants interest, documents and evaluations from the different activities will be available by contacting the promoter.

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