

Registration

Please one form per person:

	Before 10/05/10	After 11/05/10
Normal	100 €	150 €
Students *	50 €	75 €

* Students must send a copy of latest university registration fee by e-mail to congress2@softcongres.com or fax to +34 93 325 09 15

Registration via web:

www.ecofarm2010.com

General information

giroct@giroct.irta.cat

www.expoaviga.com

www.ecofarm2010.com

Organizer

Organized by:

GIRO
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de residus orgànics
centre tecnològic

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In the framework of:

II Spanish Congress on Integral Manure Management

With the support
and cooperation of:



ECOfarm
INNOVATION FOR SUSTAINABLE LIVESTOCK

International Workshop on Anaerobic Digestion of Slaughterhouse Waste



Workshop venue

11 June 2010

Fira Barcelona

Palacio de Congressos

Recinte Montjuïc

Sala 7

www.expoaviga.com

Barcelona

11 June 2010

International Workshop

on Anaerobic Digestion of Slaughterhouse Waste

Animal by-products (ABP) are interesting substrates for the anaerobic digestion process due to their high energy potential. Biogas production from these wastes is allowed after a previous physico-chemical treatment, defined by the current legal framework, but there is a big ignorance or misleading information in the energetic and environmental industrial sector about all those materials, their energy potential and the barriers to be overcome.

The ABP limitations consist of inhibiting phenomena related to long chain fatty acids from lipid's degradation, to ammonia released during protein's decomposition, and to the effect on substrate composition of the sanitation pre-treatment (sterilization or pasteurization), mandatory by European or national regulations.

The objective of the Workshop is to launch research and applied work related to anaerobic digestion of ABP, to discuss their impact and to guide new studies and facilities for the future. This is a great opportunity to present the restrictions, the handicaps and the challenges of the anaerobic digestion either from a basic research studies or from full-scale applications (pilot and industrial plants) point of view. So, this workshop is addressed to researchers, technology agents and industrials.

This Workshop will be held in Barcelona in the framework of II Spanish Congress on Integral Manure Management - ECOFARM - and the international EXPOAVIGA exhibition.

www.ecofarm2010.com
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Program

9:00- 9:30	Opening and presentation of the workshop
9:30-10:00	General overview of anaerobic digestion of complex organic waste: perspectives and opportunities. Dr. Damien Batstone , Advanced Water Management Centre University of Queensland (Australia) Chairman of the Specialist Group of Anaerobic Digestion of the International Water Association (IWA)
10:00-10:30	Animal by-products: Flows, characteristics, potential and legal regulations. Sr. Jorge Juste Ministerio de Medio Ambiente y Medio Rural y Marino Grupo SANDACH
10:30-11:00	Slaughterhouse waste pre-treatments: Benefits and limitations. Dra. Audrey Battimelli INRA (France)
11:00-11:30	Anaerobic co-digestion of treated slaughterhouse wastes. Dra. Belén Fernández / Angela Rodríguez-Abalde GIRO Technological Centre (Spain)
11:30-12:00	COFFEE BREAK
12:00-12:30	Lipids and LCFA inhibition: key parameter in anaerobic digestion process. Dra. Alsina Pereira , Dep. Ingeniería Biológica. Universidade do Minho

12:30-13:00	Strategies to prevent LCFA inhibition: adsorption as key process. Dr. Jordi Palatsi GIRO Technological Centre (Spain)
13:00-13:30	Modelling anaerobic digestion of particulate/lipid-protein rich substrates: Balancing complexity and model utility. Dr. Jorge Rodríguez , Dep. Chemical Engineering. Universidad de Santiago de Compostela (Spain)
13:30-15:00	LUNCH BREAK
15:00-15:30	New reactor configuration designs for the slaughterhouse waste treatment. Dra. Madalena Alves Dep. Engenharia Biológica. Universidade do Minho. (Portugal)
15:30-16:00	Experiences on anaerobic digestion of poultry slaughterhouse waste. Dr. Antonio Morán IRENA University of Leon (Spain)
16:00-16:30	Full scale application of anaerobic digestion of slaughterhouse waste – problems and solving strategies. Dr. Roland Kirchmayr Enbasys GmbH (Austria)
16:30-17:00	COFFEE BREAK
17:00-18:00	Final Discussion. Dr. Xavier Flotats Universitat Politècnica de Catalunya GIRO Technological Centre (Spain)