



## Workshop

# Biogas Process Optimisation

Thursday, 18<sup>th</sup> April 2013

Ittigen, Mühlestrasse 2

Aula, ASTRA Gebäude

Organised by IEA Bioenergy, Task 37 - Energy from Biogas

In collaboration with:



Schweizerische Eidgenossenschaft  
Confédération suisse  
Confederazione Svizzera  
Confederaziun svizra

Swiss Federal Office of Energy SFOE


 ENB

Energie Conseil Bachmann

## Programme

08:45 *Registration & Coffee*

09:05 **Opening**

Chair: Nathalie Bachmann, ENB, Task 37 (CH)

09:10 **Welcome and introduction**

Sandra Hermle, Swiss Federal Office of Energy (CH)

09:20 **IEA Bioenergy, Task 37 – Role and activities**

David Baxter, Task 37 Leader (EC)

### *Session I: Feedstock and process control*

09:30 **Biogas process monitoring – techniques and recommendations**

Bernhard Drosch, IFA Tulln - Universität für Bodenkultur Wien,  
Task 37 (A)

09:55 **Optimisation by pre-treatments, additives and process engineering**

Rolf Warthmann, ZHAW Wädenswil (CH)

10:20 **Grass digestion: operation and optimisation**

Jerry Murphy, University College Cork, Task 37 (IRL)

### *Session II: Optimised digestion systems*

10:45 **Membrane bioreactor**

Jean-Louis Hersener, Ingenieurbüro Hersener (CH)

11:10 **Two phase anaerobic digestion of organic solids**

Bernd Linke, Leibniz-Institut Potsdam-Bornim, Task 37 (D)

### *Session III: Biogas and digestate management*

11:35 **Digestate processing**

Hans Engeli, Engeli Engineering (CH)

12:00 **Energy from biogas as operating reserve**

Stefan Mutzner, Ökostrom Schweiz (CH)

### *Discussions, final word and closing*

12:30 *Lunch*

**Registration:**

Please register by sending an e-mail to [beatrix.widmer@bfe.admin.ch](mailto:beatrix.widmer@bfe.admin.ch)

Deadline for registration is the 3<sup>rd</sup> of April 2013;

**Entrance fee:**

Free

**Access by train:**

From Bern Main Station (RBS Platform 21 - 24):

S7 Direction Worb Dorf or Bolligen, exit at station "Papiermühle"

**Access by car:**

There are only few visitor parking places (no place guaranty)! If possible, please come by public transport.

FROM BASEL/ LAUSANNE/ ZURICH: Highway Exit *Bern Wankdorf*, direction *Ittigen*.

