

# **IEA Bioenergy**

## **Task 37: Energy from biogas**

Tagung: Biomasseforschung in der Schweiz, 23. April 2015, Ittigen

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# Überblick: IEA Bioenergy

- 1978 von der IEA gegründet
- Instrument zur internationalen Kooperation im Bereich Bioenergie: Forschung, Entwicklung, Verbreitung von innovativen Technologien, etc.
- 10 aktive Arbeitsgruppen (Tasks):

Task 32: Biomass Combustion and Co-Firing

Task 33: Thermal Gasification of Biomass

Task 34: Pyrolysis of Biomass

Task 36: Integrating Energy Recovery into Solid Waste Management

Task 37: Energy from Biogas

Task 38: Climate Change Impacts of Biomass and Bioenergy Systems

Task 39: Commercializing Liquid Biofuels

Task 40: Sustainable International Bioenergy Trade

Task 42: Biorefining

Task 43: Biomass Feedstocks for Energy Markets

# Überblick: Task 37 – Energy from Biogas

## Mitgliederländer:



## Produkte:

- Technische Broschüren zu aktuellen Themen
- Länderberichte
- Fallstudien und Erfolgsgeschichten
- Newsletter
- Seminare
- Handbuch (Biogas Handbook 2013)
- Etc.

# Neuheiten

## 1. Bericht zur Biogassituation in allen Mitgliederländern

[www.iea-biogas.net](http://www.iea-biogas.net)

- Task 37 Publications
- Country reports

## IEA Bioenergy Task 37

### Country Reports Summary 2014

#### Table of contents

1. Introduction
2. Austria
  - 2.1 Production of biogas
  - 2.2 Utilization of biogas
  - 2.3 Financial support systems
  - 2.4 Innovative biogas projects
3. Brazil
  - 3.1 Production of biogas
  - 3.2 Utilization of biogas
  - 3.3 Financial support systems
  - 3.4 Innovative biogas projects
4. Denmark
  - 4.1 Production of biogas
  - 4.2 Utilization of biogas
  - 4.3 Financial support systems
  - 4.4 Innovative biogas projects

# Neuheiten

[www.biogasreports.com](http://www.biogasreports.com)

## 2. Internetplattform *Biogas reports*

- In Zusammenarbeit mit Energiforsk
- Berichte zum Thema Biogas aus aller Welt

The screenshot displays the website interface for 'Biogas reports'. At the top left is the 'Energiforsk' logo. To the right is an 'About' button and a logo for 'OPERATED BY SGC' (Swedish Gas Center). Below the header is a search bar containing the text 'monovergärung' and a blue 'SEARCH' button. Under the search bar, there is a section 'Show reports originating from' followed by a list of countries with checkboxes: Sweden, Norway, Denmark, Other, UK, Finland, Switzerland, The Netherlands, Brazil, Australia, Austria, and France. Below this list, it states '5 documents found.' The first search result is titled '1. IEA Bioenergieprogramm 2007-2009 Task 37: Energie aus' and includes a thumbnail image of a report cover. The report cover has the 'bm' logo and the text 'NACHWACHSBAU' and 'IEA Bioenergieprogramm 2007-2009 Task 37: Energie aus Biogas'. Below the title, there is a snippet of text: '...ohl ausschließlich mit Mais (Monovergärung) als auch mit Co-Substraten'.

# Neuheiten

[www.iea-biogas.net](http://www.iea-biogas.net)

→ Collaboration requests

## 3. Collaboration requests

- Förderung der internationalen Zusammenarbeit



### Task 37

- About Task 37
- Newsletter
- News and events
- Task 37 publications
- Plant Lists
- Collaboration requests**

## Collaboration requests


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**SP Technical Research Institute of Sweden**

Feb 2015: At SP we have many specialists within the field of biological treatment of waste, covering source collection of food waste, choice of suitable substrate, pre-treatment of the substrate, the biological process, emissions as well as utilisation of the products produced (biofertilizer, sludge, compost, biogas). We are looking for collaboration partners within this area.  [http://www.sp.se/en/index/services/biological\\_treatment/Sidor/default.aspx](http://www.sp.se/en/index/services/biological_treatment/Sidor/default.aspx)

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**Energiforsk - Swedish Energy Research Centre**

Feb 2015: Energiforsk coordinates R&D within the field of energy gases in Sweden and promotes widespread and efficient utilisation of gas since 1990. We want to take an active part on the European scene we are continuously look for new EU project collaborations.  <http://www.sgc.se/en/>

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**BioMil is looking for partners in EU projects**

Jan 2015: BioMil AB is a swedish consultancy company engaged in sustainable solutions for biogas and the environment. We have more than 30 years of experience of biogas and environmental issues. We have extensive experience of studies and design of system solutions

# Aktuelles

[ieabioenergy2015.org](http://ieabioenergy2015.org)

## IEA Bioenergy Conference 2015

- 27. – 29. Oktober 2015 in Berlin



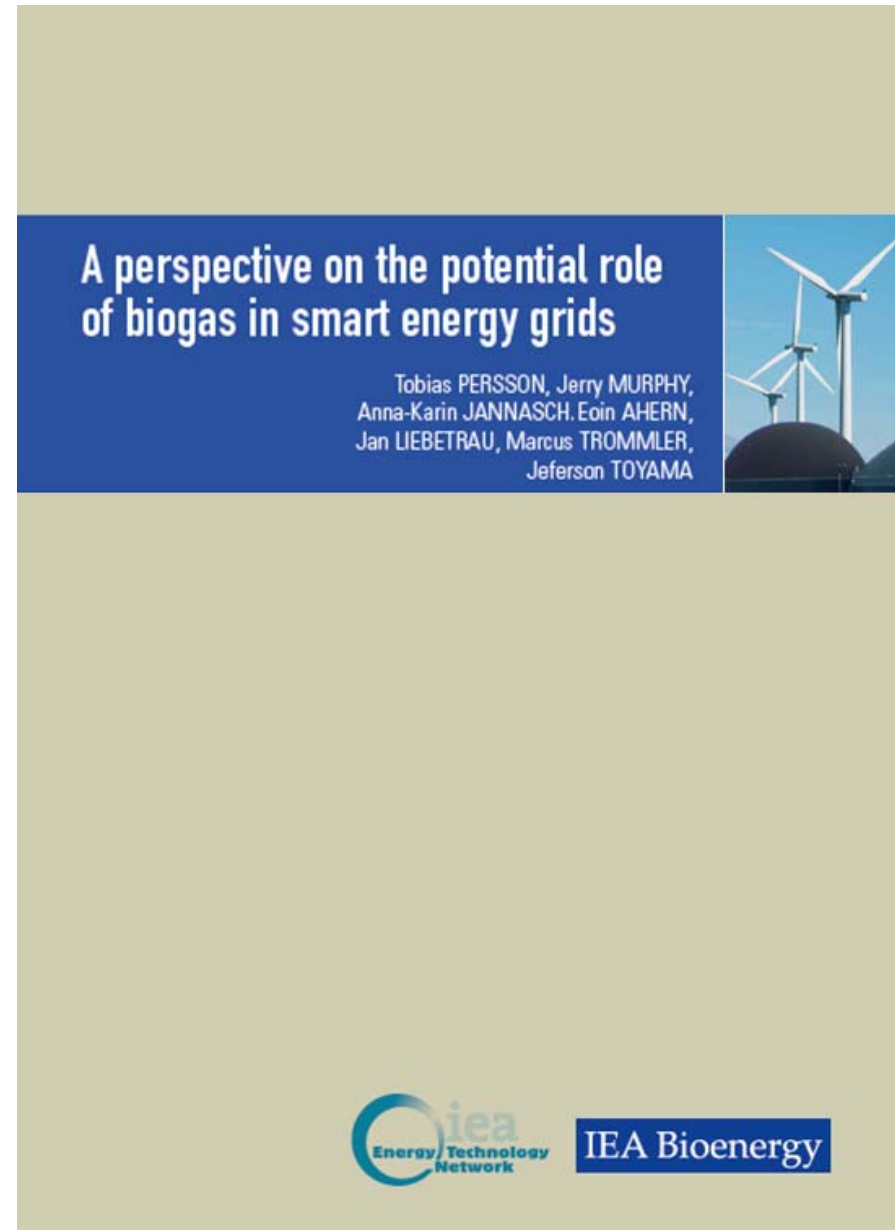


# Aktuelles

## Technische Broschüren

- A perspective on the potential role of biogas in smart energy grids
- Pretreatment of feedstock for enhanced biogas production (2014)
- Process monitoring in biogas plants (2013)

[www.iea-biogas.net/technical-brochures.html](http://www.iea-biogas.net/technical-brochures.html)





# Aktuelles

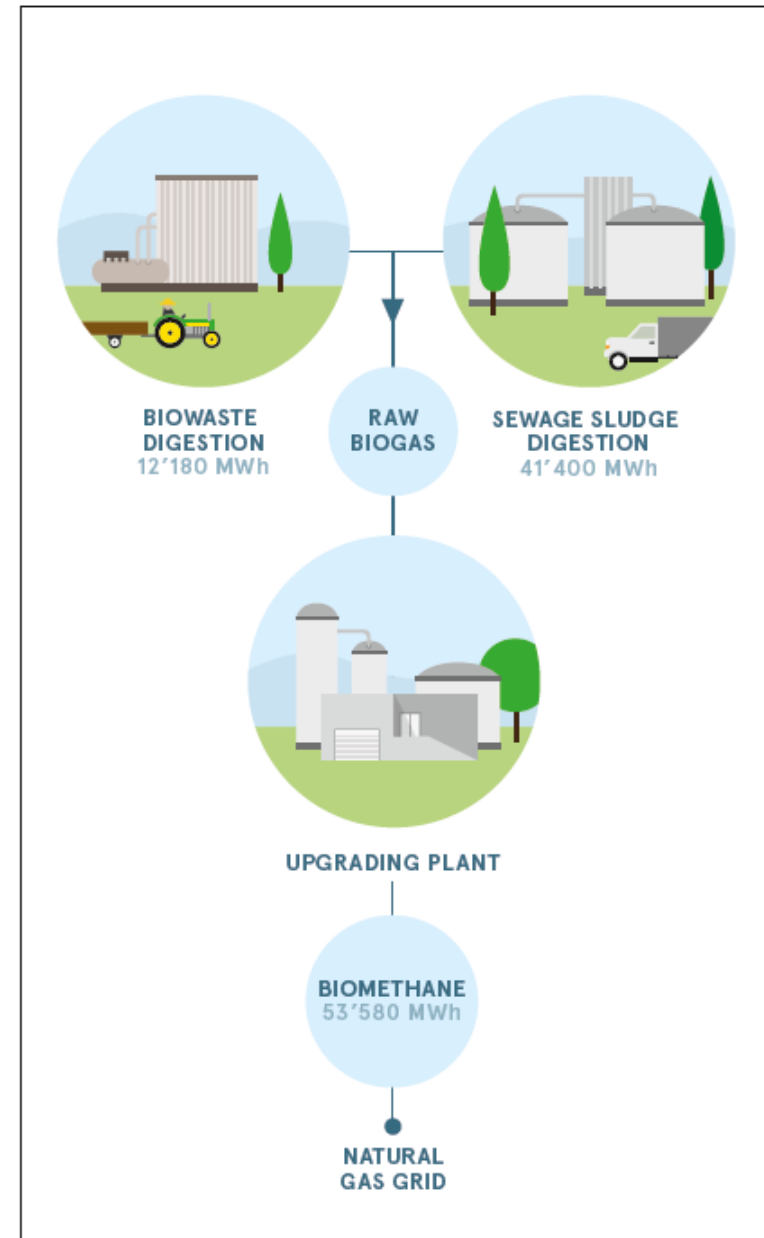
## Case studies

- **Beispiel Biogas Zürich:**

*Biowaste and sewage sludge  
recovery:  
Separate digestion, common gas  
upgrading and heat supply*

*April 2014*

## Biogasverwertung



# Aktuelles

## Themenschwerpunkte 2016-2018

### Grid Injection, smart grid, local grids

- **Smart grids** and innovative AD technologies
- **Biogas up-grading**
- Greening of the gas grid

### Standards and Guidelines

- **BMP test**
- Gas quality issues
- Health and safety aspects
- Quality standards for digestate

### Substrates and reactor configurations

- Food and beverage processing waste
- Crops
- Biogas integration into advanced biofuels production / **Biorefineries**
- High solids and high rate digestion

...

### Approaches for sustainable AD

- **AD without feed-in tariffs**
- Cost effective options
- Risk-based assessment
- AD for developing countries

[www.iea-biogas.net](http://www.iea-biogas.net)

Danke für die Aufmerksamkeit!

***Fragen?***