

# BiomethaneNews

Biogasmax newsletter

July / 2009 - n°4



**Bernt Svensén,**  
Business Region Göteborg

## **A conference hosted by a leading region in biomethane**

The European Conference on Biomethane Fuel will be hosted by Business Region Göteborg (BRG), as part of the Biogasmax project. Following the political will of the regional and local representatives, BRG has been the principal driver of the "Biogas Väst" project, with the overall aim of stimulating the market development of the gas-powered vehicle market and this has already been achieved. The objective is to create a "biogas cluster" in Western Sweden, throughout the whole chain from production, infrastructure to additional biogas driven vehicles replacing the fossil fuel.



**Pierre Hirtzberger,**  
Biogasmax project coordinator

## **Biomethane: which are best practices in Europe?**

From the collection of relevant feedstocks to end-uses of biomethane, what can be learnt from the main European experiences? Pierre Hirtzberger, will provide responses at the European Conference on Biomethane Fuel, 7th-9th of September in Göteborg. Come and join this major event on biomethane fuel!



**Anne Houtman,**  
European Commission

## **Biomethane on a European level: which opportunities?**

European Commission's responses on the 7th-9th September in Göteborg! Anne Houtman, Director at the European Commission, will provide responses and key elements to this question at the European Conference on Biomethane Fuel. Information on European perspectives will be provided and discussed and all the different aspects of the biomethane chain will be covered, from the production to the use of this renewable energy.

# European Biomethane Fuel Conference 7-9 September 2009



Biogasmax project has for three years implemented cross-analysis, research and innovation developments on biomethane as a vehicle fuel. This conference will give a great focus on the outcomes brought from this major European Commission funded initiative.

Biomethane offers a unique opportunity to integrate waste management solutions with the production and use of a clean burning, low carbon transport fuel.

This event will bring together expertise on the production, upgrading and distribution of biomethane, management of transport fleets and environmental assessment to make a strong case for the production of biomethane from organic waste, and its use in transport applications.

Presentations will include best practice from Sweden, France, Switzerland, Italy and beyond, insights on the gas vehicle market, on the on-coming European Commission policies and vision, expertise in the production, upgrading and distribution of biomethane, and details of assistance available for those considering biomethane projects.

The conference also offers the opportunity to participate in study visits to see projects first hand, and to discuss with those having hands-on experience. Above all, the event will represent an excellent opportunity to meet and network with a wide range of stakeholders involved in the production and use of biomethane, both informally and also through our expert panel sessions.



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COMMISSION

**Join us and book the dates!**  
register today at:  
[www.biogasmax.eu](http://www.biogasmax.eu)

## MONDAY, SEPTEMBER 7



**13.00 - 18.00**  
**Plenary session 1**

### **Biomethane on a European Level**

Moderator: Mrs Kattis Ahlström

**13.00 Welcome**

*Anneli Hulthén, Mayor, City of Göteborg*

**Biofuels and its role for business development**

*Claes Västerteg, Swedish Government*

**Biomethane and it's possibilities on an EU-level**

*Anne Houtman, Director of the D4 of the DG TREN, EU Commission*

**EU contribution to the biomethane development**

*EU Parliament (tbc)*

**14.45 Coffee break**

**Short highlights from the BiogasMax project, incl. film 10 min**

*Interview Lille (Gildas Le Saux), Stockholm (Björn Hugosson), Lombardy (Paolo Mora), Rome (Daniela Fravolini), Berne (Arthur Wellinger), Zielona Gora (Wladislaw Papacz), Göteborg (Bernt Svensén), Torun (Michal Jarski, tbc)*

**Biomethane - State of the art and potential in an international perspective**

*Anders Mathiasson, Swedish Gas Association*

**Panel discussion - Further actions on an European level**

*Anne Houtman, repr Swedish Government, repr EU-parliament, Anders Mathiasson, Pierre Hirtzberger*

**Summary of session, presentation of the remaining programme & invitation to social get-together**

**18.00 Social get-together: food & beverages**



## TUESDAY, SEPTEMBER 8



**9.00 - 12.30**  
**Plenary session 2**

### **Results of the Biogasmax Project**

Moderator: Mrs Kattis Ahlström

**9.00 Welcome**

*Kattis Ahlström*

**Best practises in Europe**

*Pierre Hirtzberger, Biogasmax Project coordinator*

**Biomethane in heavy-duty trucks**

*Trevor Fletcher, Hardstaff Group, UK*

**Environmental Impacts of Biomethane Provision**

*Jan Paul Lindner, University of Stuttgart*

**Discussion with the audience**

*Pierre Hirtzberger, Trevor Fletcher, Jan Paul Lindner*

**11.00 Coffee break**

**How to incentivate supply and demand through effective and targeted policy-making: the case of Lombardy Region**

*Paolo Mora, Deputy Director General of DG Trade, Fairs and Markets, Lombardy Region*

**The regional project Biogas Väst - Experiences from the first regional biogas cluster project in the world**

*Bernt Svensén, Business Region Göteborg*

**Discussion with the audience**

*Bernt Svensén, Paolo Mora, Peter Thulin (Läckeby Water) and Manuel Lage (NGVA Europe)*

**12.30 Lunch**



All details and registration  
[www.biogasmax.eu](http://www.biogasmax.eu)

**TUESDAY, SEPTEMBER 8**

**WEDNESDAY, SEPTEMBER 9**

**14.00 - 17.00 / Training sessions**

## 1/ Production issues

> Moderator Eric Zinn, Göteborg Energi

Demonstration of the potential to optimize the techniques to enhance the efficiency and meet the specifications for using biogas in the transport sector. Beyond the more technical aspects, the spatial integration of production and use and institutional aspects will be covered, as well as issues such security of supply.

### Welcome & introduction

Eric Zinn, Göteborg Energi

### Presentation from Zielona Gora University

### Vehicle fuel and Biofertilizer from waste and agricultural crops

Carl-Magnus Pettersson, Växtkraft

### Biogas Computer Model

Robert Olsson and Fredrik Brynolf, Falkopin

Ludwig Dinkloh,  
UTS Biogastechnik

[Panel discussion](#)

## 2/ Infrastructure issues

> Moderator: Peter Boisen, NGVA

Solutions for grid injection and for filling stations in different countries will be demonstrated. The economic and environmental aspects of different solutions will be assessed and compared.

### Welcome & introduction

Peter Boisen, NGVA

### How to build regional infrastructure for biogas

Tula Ekengren, FordonsGas

### Experience from injection of biomethane in the natural gas grid

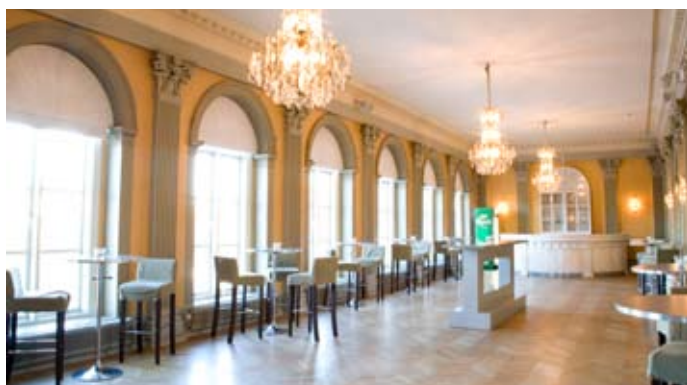
Emma Jacobsson, Göteborg Energi

### Infrastructure building

Martino Palermo, Executive, Department on Fuels Network of DG Trade, Fairs and Markets, Lombardy Region

Grid injection in France  
Claire Brecq, GRDF

[Panel discussion](#)



**7.45**  
**Three destinations with the choice !**



### Study tour 1: 7.45 - 13.

#### Göteborg (Göteborg Energi)

Göteborg Energi upgrades biogas from the Rya Regional WWTP and injects the biomethane into the natural gas grid. The biomethane fuels approximately 5,000 cars and busses at a large number of local CNG filling stations connected to the natural gas grid.



### Study tour 2: 8.30 - 17.15

#### Falköping

Biogas from sewage sludge and household organic waste is upgraded and sold locally at a designated CNG filling station. Göteborg Energi is planning to connect local farms to the existing upgrading facility to enable for biomethane production that reduces CO<sub>2</sub>-emissions by 180%.



### Study tour 3: 9. - 14.

#### Borås (Sobacken, waste treatment plant and Biogas production)

The inhabitants of Borås sort their food waste into black sacks and incinerable waste into white sacks. Discover how food waste and waste that comes from the industry is produced into biogas that today supplies buses, garbage trucks and private cars that run on biogas.

**9.00 - 12.00 / Training sessions**

## 3/ Upgrading issues

> Moderator: Arthur Wellinger, Nova Energie

The workshop will investigate and demonstrate a variety of upgrading systems, optimise the processes and perform cost-benefit analyses. Furthermore the fiscal and taxation conditions for the use of biogas in European countries will be investigated.

**Welcome & introduction** : Arthur Wellinger, Nova Energie

**Overview on upgrading technologies** : Michael Beil and Uwe Hoffstede, ISET

**Wastewater Treatment Plant: 1-Year Experience with the Pressure Swing Absorbtion System PSA**

Beat Amman, Arabern

**Commercial experiences, COOAB** : Peter Thulin, Läckeby Water

[Panel discussion](#)

## 4/ End-use issues

> Moderator: Björn Hugosson, Stockholm

In this workshop will be showed a series of policy measures and schemes aiming at increasing captive and innovative fleet using biogas (environmental requirements into public procurement contracts, incentives and subventions. . . ). The impact on engine performance, fuel consumption and emissions will be investigated.

**Welcome & introduction - Results from the vehicle demonstrations in Biogasmax** : Björn Hugosson, Stockholm

**Passenger cars** : Alberto Bonetti, Region Lombardia

**Refuse collection vehicles** : Daniela Fravolini, AMA, Roma

**10% of all buses in the swedish busfleet are biofuel driven** :

Leif Magnusson, Environmental Strategist, Västtrafik

**Bio-Natural Gas for cleaner urban transport** : Manuel Lage, NGVA Europe

[Panel discussion](#)

**12.30 Lunch**

# The Speakers

Following is the list of speakers who will share their experiences and analysis during this three-day conference. All are closely involved in biomethane issues (operational projects, legal and financial tools, marketing actions, policy measures...) For more informations, please find the speakers' profile on [www.biogasmax.eu](http://www.biogasmax.eu)

- **Ahlström Kattis**  
Moderator, Sweden
- **Beat Amman**  
Arabern, Switzerland
- **Beil Michael**  
Project manager biogas upgrading systems, ISET e.V. dept. Energetic Use of Biomass, Germany
- **Boisen Peter**  
NGVA Europe, UK
- **Bonetti Alberto**  
Region Lombardia, Italy
- **Fredrik Brynolf**  
Falkoping, Sweden
- **Dinkloh Ludvig**  
Vice President of UTS Biogastechnik GmbH, Germany
- **Ekengren Tula**  
Marketing Director, FordonsGas Sverige AB, Sweden
- **Fletcher Trevor**  
Chairman NGVA, Managing Director and Chairman of The Hardstaff Group, UK
- **Fravolini Daniela**  
AMA (Azienda Municipale Ambiente), Italy
- **Hirtzberger Pierre**  
Head of the Development Department, Lille Métropole Communauté Urbaine, Urban Waste Division, France
- **Hoffstede Uwe**  
Scientific Head Biogas Plants, ISET e.V. dept. Energetic Use of Biomass, Germany Dipl.-Ing., Germany
- **Houtman Anne**  
Director of «Internal Market and Sustainability», Directorate General for Energy and Transport, European Commission, Belgium
- **Hugosson Björn**  
City of Stockholm Environment and Health Administration, Sweden
- **Hulthén Anneli**  
Mayor, City of Göteborg, Sweden
- **Jacobsson Emma**  
Development Engineer, Göteborg Energi, Sweden
- **Lage Manuel**  
NGVA Europe General Manager, UK
- **Le Saux Gildas**  
Biogasmax Project Manager, Lille Métropole Communauté Urbaine, Urban Waste Division, France
- **Lindner Jan Paul**  
University of Stuttgart, Germany
- **Magnusson Leif**  
Environmental Strategist, Västtrafik, Sweden
- **Mathiasson Anders**  
Swedish Gas Association, Sweden
- **Mora Paolo**  
Deputy Director General of DG Trade, Fairs and Markets, Lombardy Region, Italy
- **Palermo Martino**  
Executive, Department on Fuels Network of DG Trade, Fairs and Markets, Lombardy Region, Italy
- **Robert Olsson**  
Falkoping, Sweden
- **Papacz Wladislaw**  
Main Researcher, University of Zielona Góra, Poland
- **Petersson Carl-Magnus**  
Deputy Managing Director, Växtkraft, Sweden
- **Svensén Bernt**  
Project Manager, Business Region Göteborg, Sweden
- **Thulin Peter**  
Marketing Director, Läckeby Water, Sweden
- **Västerteg Claes**  
Swedish Government
- **Wellinger Arthur**  
Dr. sc. nat., Managing Director Nova Energie Ltd, Switzerland
- **Zinn Eric**  
Development Engineer, Göteborg Energi, Sweden

## Theatre STORAN Göteborg SWEDEN



The conference venue Storan is a unique building, situated in the centre of Göteborg. At Storan the old, the splendour and the intimate meet. Storan has a long and fascinating history. The house was built in 1859, and was at the time a very modern and functional building in new renaissance style. Between 1920-1994, Storan was Göteborg's leading scene for opera and musicals. After the new opera house was built in 1994, Storan became a branch of the municipal theater and until 2003 several plays have taken place on the Storan stage.

Today Storan is a place for concerts and conferences. The building has gone through a cautious renovation in order to preserve the original charm, but still be suitable for modern conferences. The works of the architect B C Malmberg and the sculptor Carl Ahlboms are still intact inside the building. Welcome to Storan!

**Adress: Kungsparken 1, 411 36 Göteborg, Sweden**  
**Phonenumber: +46(0) 31-60 45 00**

## Visit the exhibition of Gas Vehicles!



In connection to the Conference gas vehicles from among others Ford, Mercedes, Opel and Volkswagen will be on display outside Storan. Take the opportunity to see some of the gas vehicles on our roads while getting briefed by representatives from retailers.

**The exhibition will take place  
September 7, time 10-17.**



**BUSINESS REGION  
GÖTEBORG**



The European Biomethane Fuel Conference is being held in association with the Swedish EU presidency in autumn 2009



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