<u>GREEN</u> GAS GRIDS







4-Day Study Tour Injection of biomethane into natural gas grids IEE-project GreenGasGrids

25th to 28th June 2012 South Germany and Upper Austria



The sole responsibility for the content of this publication lies with the authors. It does not necessarily reflect the opinion of the European Union. Neither the EACI nor the European Commission are responsible for any use that may be made of the information contained therein.







What is the GreenGasGrids project?

GreenGasGrids is a 3-year European project co-funded by the Intelligent Energy for Europe (IEE) program with the aim to move biomethane into the mainstream by bringing it on the agenda of key EU and national bodies involved in (renewable) energy and natural gas. The project consortium consists of 13 national energy agencies, scientific institutions as well as industry associations involved in biomethane, natural gas, and renewable energy combining high expertise and market experience as well as wide-spread networks throughout the EU. It focuses on the most pressing issues with regard to biomethane: sustainability, technical standards, legislation and trade.

GreenGasGrids wants to achieve the following objectives:

The GreenGasGrids project aims to substantially improve the biomethane market situation in both forerunner and starter countries in the EU. It applies a strategic approach bringing public and private biomethane stakeholders together, stimulating investments by reducing the most hindering barriers and jointly setting up strategies for the promotion of biomethane in heat, electricity and transport.

Geographical focus: Austria, Belgium, Croatia, Denmark, Finland, France, Germany, Hungary, Italy, Poland, Slovakia, Spain, Sweden, Switzerland, The Netherlands, United Kingdom.

How can you benefit as a market actor?

The project offers various opportunities for private market actors to find business partners or service providers, be up-to-date on latest biomethane market developments and use the project's events for exchange and networking. A guideline for running successful biomethane projects provides hands-on information for biomass producers, biogas upgrading plant operators and biomethane traders, addressing technological, management as well as financial issues.

How can you benefit as a policy-maker?

When implementing or revising a biogas/biomethane support scheme policy-makers may want to compare the benefits of existing initiatives to apply what suits their situation most. Our best practise analysis of policy schemes for biomethane directed to decision makers identifies suitable methods under specific conditions looking at quantity goals, sustainability aims, GHG reduction etc. GreenGasGrids also develops biomethane roadmaps on the national as well as the EU-level recommending pathways for this highly beneficial and promising energy carrier.

If you want to find out more about the GreenGasGrids project please visit **www.greengasgrids.eu** or contact us by e-mail: **info@greengasgrids.eu**.







Austrian Energy Agency Mariahilfer Straße 136 1150 Wien, Austria



Registration* until 13th June 2012 at

<u>carmen.marksteiner@energyagency.at</u> The number of participants is limited!

| Со | nta | ct |
|----|-----|----|
| | | |

Information about content of the project and study tour

Information about the organisation of the study tour

DI Herbert Tretter Tel: +43 (0)1 586 15 24 - 156 E-Mail: herbert.tretter@energyagency.at

Carmen Marksteiner Tel: +43 (0)1 586 15 24 - 149 E-Mail: carmen.marksteiner@energyagency.at

* For the registration we will need following information:
name, surname, institution, address, postal code, town, country, telephone, email
You will receive an invoice and more detailed information.
With the remittance your place will be booked.







| | Program Day 1 – 25 th June 2012 Start Munich /Aiterhofen - Germany | | |
|-------|--|--|--|
| | | | |
| 8:30 | Start in the Center of Munich Main Station (collecting participants) To the Airport (30min) | | |
| 9:10 | Meeting point Munich-Airport (collecting participants) To Aiterhofen (1h10min) | | |
| 10:25 | Coffee / Tea | | |
| 10:30 | AITERHOFEN (1.000 m³/h biomethane, PSA, energy crops) Presentation Schmack Biogas GmbH (ca. 45min) Presentation E.ON Bioerdgas GmbH (ca. 45min) Short presentation of the business cluster "Renewable basic materials" (ca. 15min) Presentation of GreenGasGrids project coordinator dena (Axel Blume) | | |
| 13:00 | Lunch | | |
| 14:00 | Visit of the plant | | |
| 15:00 | To the hotel (ca. 1h45min) | | |
| | Day 2 – 26 th June 2012 Kisslegg - Germany | | |
| 08:30 | To the plant (ca. 1h15) | | |
| 10:00 | KISSLEGG (300 m³/h biomethane, membrane separation, org. waste) Presentations in "Hotel-Gasthof Ochsen", Herrenstrasse 21, D-88353 Kißlegg Presentation of Mr Dauven (ca. 30min) Presentation of CEO of AXIOM gas permeation plants, Mr Szivacz (ca. 30min) Discussion (ca. 20min) Presentation of Thüga (grid operator) Presentation of GreenGasGrids project partner NL Agency (Mathieu Dumont) | | |
| 12:15 | Lunch | | |
| 13:30 | To the plant (20min) | | |
| 14:00 | Visit of the plant | | |







| 15:00 | To the Hotel "Star Inn" in Salzburg (3h) | | |
|-------|--|--|--|
| 19:00 | Dinner in Salzburg | | |
| | Day 3 – 27 th June 2012 Engerwitzdorf - Austria | | |
| 08:15 | To the plant (ca. 1h45min) | | |
| 10:00 | ENGERWITZDORF (125 m³/h biomethane, amine scrubber, energy crops) Presentations at Biogas, Neubauzeile 99, A-4030 Linz Presentation of Mr Klaus Dorninger MBA, CEO of ÖO GasWärme GmbH (ca. 30min) Presentation of Mr Johannes Mayr, ÖO GasWärme GmbH (ca. 30min) Discussion (ca. 20min) Presentation of GreenGasGrids project partner (Fraunhofer or EBA) | | |
| 12:30 | Lunch "Gasthaus Plank" in Engerwitzdorf | | |
| 14:00 | Visit of the plant (1h) | | |
| 15:00 | To the Hotel "Four Seasons" in Linz (20min) | | |
| 19:00 | Dinner at the hotel | | |
| | Day 4 – 28 th June 2012 Asten - Austria | | |
| 09:00 | To the plant (20min) | | |
| 09:30 | ASTEN (380 m³/h biomethane, water scrubber, sewage gas) Presentation of the sewage plant Asten, Linz AG Biogas production and upgrading plant, Linz AG CNG gas station for the city buses, Linz AG "Nature gas" marketing, Linz AG Presentation of GreenGasGrids project partner (Fraunhofer or EBA) Optional Austrian policy program for biogas (klima:aktiv biogas) | | |
| 11:30 | Visit of the plant (1h) | | |
| 13:00 | Lunch in Asten | | |
| 14:00 | Back to the Station Linz and then to the Airport Munich (3h) | | |