

# Turn your manure into profit: unlocking the potential of biogas technology

Join our European Training Session and study visit to a successful farm biogas plants in Czech Republic and learn about the benefits of biogas technology for your farm

European training session and study visit to a profitable farm biogas plants in Czech Republic  
April 3rd and 4th 2012

Anaerobic digestion of manure to produce biogas and digestate **can be profitable** with sound business planning.

## What are the benefits for your farm?

- Anaerobic digestion is an effective manure management method
- New source of revenue by sale of energy to the Grid
- Reduced heating costs
- Reduced fertilizer costs
- Reduced odours
- Reduced environmental impact

As part of the **GERONIMO2 BIOGAS** project ([www.energy4farms.eu](http://www.energy4farms.eu)), which is being funded by the Intelligent Energy Europe Programme and aims to promote biogas as a profitable method of manure management on dairy and pig farms, an European training session and study visit is being organised to a successful farm biogas plants in Czech Republic.

GERONIM@  
**Day One – April 3<sup>rd</sup> 2012**  
**Study Visit**  
 Biogas Plant Mikulčice



- Installed heating power: 464 kW
- Installed electrical power: 500 kW
- Digester capacity: 1885 m<sup>3</sup>
- Second digester: 2280 m<sup>3</sup>
- Storage: 2 713 m<sup>3</sup>
- Cogeneration unit: Schnell ES 2507

Mikulčice biogas plant is part of a farm operating with 210 dairy cows, 120 heifer, 65 calves, 100 bulls in the South Moravian Region of the Czech Republic. The plant has two digesters operating a cogeneration unit.

### Time Agenda Item

- 13:45** → Pick up by bus from hotel Slavia (Solniční 15/17, 602 00 Brno, Czech Republic)
- 17:00** → End of visit and return to hotel Slavia by bus
- 20:00** → Joint dinner in Starobrnno Brewery Restaurant

This study visit will allow participants to see how these facilities operate, to obtain information on the level of capital investment involved, the maintenance required, feedstock issues, running costs, production capacity, benefits and potential return of investment.

Participants are welcome from any European region!

A budget is available for covering the travel costs of a limited number of attendees, which will be granted on a first come first serve basis.

If you are interested in attending this study visit, please register your interest to <http://community.energy4farms.eu/events/> Or send an email to [info@energy4farms.eu](mailto:info@energy4farms.eu)

GERONIMO<sup>2</sup>**Day Two – April 4<sup>th</sup> 2012****European Training Session**

Brno, BVV Trade Fairs Brno (Výstaviště 1, 647 00 Brno, Czech Republic)

**Time Agenda Item**

- 09:00** → Registration
- 09:30** → Start of the conference
- 09:40** → Presentation of the Geronimo II – Biogas project  
Mirta Pinilla, IRIS, Spain
- 10:00** → An introduction to biogas  
Tomislav Puksec, University of Zagreb (UNIZAG), Croatia
- 10:30** → Use of digestate from biogas plant as a fertilizer  
Bjarne Larsen, KOMTEK Solutions, Denmark
- 11:00** → Coffee break
- 11:20** → Technology of biogas production and of biogas use  
Tomáš Dvořáček, Bioprofit Czech Republic
- 11:50** → Energy efficiency of biogas plants  
Miroslav Šafařík, Porsenna Czech Republic
- 12:30** → Best cases part I: First steps towards a biogas plant installation  
Agrikomp, Speaker TBC
- 13:00** → Lunch
- 14:00** → Biogas Legislation in Europe  
Andrea Salimbeni, European Biomass Industry Association (EUBIA), Benelux
- 14:30** → Other ways of biogas utilization  
Miroslav Kajan, Czech Biogas Association
- 15:00** → Coffee break
- 15:30** → Presentation of best cases part II  
Agrikomp, Speaker TBC
- 16:00** → Presentation of best cases part III  
Anthony Coleman, Limerick Business Support Unit (LBSU), Ireland
- 16:30** → Discussion and closing session

Simultaneous translation Eng/Czech