Genesis of the Project and Some Key Outputs

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Project Coordinator

Project ran for 3 years from November 2007
Led by Rhone Alp Energy and Environment Agency
Austrian and German experienced partners supported promoting partners in Slovenia, France, UK, Belgium, Poland, Italy and Spain
Biomethane Regions built upon its predecessor project

- A number of partners in common
- Two university partners introduced
- Scandinavian partners provided different perspective
- Some brand new elements – including a work package on monitoring and efficiency

Project Partners

- Pays de la Loire and Brittany Rhone-Alp, France
- Styria, Austria
- Slovenia (Agriculture Institute) – Walloon Region Belgium
- Abruzzo Region, Italy – Croatia
- Hungary (Agricultural Institute) – Schwäbisch Hall District, Baden Württemberg, Germany
- South-east Sweden – Denmark
- Dissemination Partner EU-wide
- Research partners
What Has Been Done and Why?

The fundamental objective is to see more methane produced via anaerobic digestion and ensure that it used in a productive and efficient manner.

In order to achieve this we had to identify the barriers and address them.

This has varied from region to region and over time (even the relatively short period of the project).

Engaging with Stakeholders

Each Region has an Advisory Group
Convincing Politicians and Regulators

Regional Policy in Styria

- LEA and LEV drafted draft regional roadmap (strategy and action plan)
- The Energy Commissioner reviewed the document and has used the contents in the Styrian Energy Strategy 2025
- The Strategy (following the Biomethane Regions roadmap) has seen an increased emphasis for gas up-grading.
Biomethane injection in France:

Profitability for projects >500 kWé eq
3 plants (2 local authorities and 1 farmer)
15 projects in 2014 increasing

Guarantee of origin
BUYER

Type of substrates

Gas grid OPERATOR
In charge of injection

Guarantee to sell,
with a « last buyer »

Gas SELLER
feed in tariff: gas from farms (90-125 €/MWh)

Feasibility studies yr1
Authorisation yr2
financing
contracts
Construction yr 3 or 4

Providing Useful Tools
Cooperative Biogas Upgrading

- Pipe the biogas to a central location
- Build a mobile upgrade plant

Assisting Developers

<table>
<thead>
<tr>
<th>Regional Partner</th>
<th>Pre-feasibility Reports</th>
<th>Feasibility Reports</th>
<th>Applications submitted for land-use planning consent</th>
<th>Fully Authorised plants</th>
<th>Plants under construction or complete</th>
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<td><strong>TOTAL</strong></td>
<td><strong>62 (60)</strong></td>
<td><strong>35 (30)</strong></td>
<td><strong>20 (20)</strong></td>
<td><strong>14 (10)</strong></td>
<td><strong>9 (5)</strong></td>
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</table>

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### Regional Partner	Pre-feasibility Reports	Feasibility Reports	Applicants submitted for land use planning consent	Fully Authorised plants	Plants under construction or complete
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SWEA	8 (13)	5 (2)	3 (1*)	2 (0)	1 (0)
WFG	2 (0)**	2 (0)	1 (0)	1 (0)	1 (0)
RAEE	7 (4)	2 (2)	2 (0)	0 (0)	0 (0)
LEV***	8 (3)	3 (1)	2 (2)	2 (0)	1 (1)
CRA-W	3 (1)	2 (0)	1 (0)	1 (0)	1 (0)
ARAEN	3 (3)	1 (0)	1 (0)	0 (0)	0 (0)
AIS	4 (4)****	2 (2)****	1 (1)****	1 (1)	1 (1)****
ESS	6 (5)	3 (2)	1 (2)	1 (3)	1 (3)
VFL	7 (16)	5 (8)	3 (4)	3 (7)	2 (3)
EIHP	6 (6)	4 (4)	1 (1)	0 (0)	0 (0)
MGI	2 (1)	1 (0)	1 (1)	1 (1)	0 (0)
AILE	6 (6)	3 (11)	2 (2)	2 (1)	1 (1)
TOTAL	62 (60)	62	35 (30)	32	20 (20)	14 (10)	13 (9)

* Black figures are partner targets. Blue figures are the project PI’s. Red figures are actuals.

**One in progress

***plus 6 other cases where support has been given but not easy to categorise

****Innovative micro biogas plant

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**A Chain Reaction?**

AILE Supports Farmers to develop smaller scale on-farm biogas plant in Brittany
Severn Wye EA takes potential developers to visit

Confidence is built in this scale of development in the UK

Plants get built on UK farms at this scale (and below)
Micro Biogas Plant in Slovenia

And best is yet to come....... 

• Gas clean-up technology review and the calculator tool – Michael Harasek
• The ambitious plans in Denmark – Olav Rasmussen
• The amazing progress in Sweden – Hannele Johansson
• Agricultural gas-to-grid-in France
• The massive improvements in gas yields – Sandra Esteves
Thank You For Listening

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