Biogas promotion in the Intelligent Energy - Europe Programme

Silvia Vivarelli
Project Advisor

Executive Agency for Small and Medium-sized Enterprises (EASME)
Unit B1 - H2020 Energy

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About EASME

➤ **Executive Agency for Small and Medium-sized Enterprises**

➤ From 01 January 2014, **EASME** replaces EACI (Executive Agency for Competitiveness and Innovation)

➤ The Executive Agency has been set-up by the European Commission to manage EU programmes under Commission control and responsibility

Programmes managed by EASME

- Part of **Horizon 2020**, in particular:
  - **Parts of the 'Societal Challenges' pillar:**
    - The Energy Efficiency part of ‘Secure, Clean and Efficient Energy’;
    - The fields on waste, water innovation and sustainable supply of raw material under the challenge ‘Climate action, Environment, Resource Efficiency and Raw Materials’
    - The SME instrument
  - **Some areas of the 'Industrial leadership' pillar:**
    - Part of 'Leadership in Enabling and Industrial Technologies' (LEIT)
    - The Sustainable Industry Low Carbon Scheme (SILC II)
    - Innovation in SMEs

- The EU programme for the **Environment and Climate action (LIFE)**

- Most of the EU programme for the **Competitiveness of Enterprises and Small and Medium-sized Enterprises (COSME)**

- The **European Maritime and Fisheries Fund (EMFF)**

- **The legacy of the Intelligent Energy – Europe programme and the Eco-innovation initiative**
Horizon 2020

R&D - Public Private Partnerships

Market uptake activities

FP 7 First application Intelligent Energy Europe
The IEE II in a nutshell

- €730 million from 2007-13
- Encourages the uptake of proven intelligent energy solutions
- not ‘hardware’ investments or R&D
- 3 fields of action – energy efficiency, renewables and energy in transport
  - approx 130 ongoing projects
  - 11 bioenergy

http://ec.europa.eu/energy/intelligent/index_en.htm
Intelligent Energy - Europe: Delivers on …

- Creating favourable market conditions
- Shaping policy development and implementation
- Preparing the ground for investments
- Building capacity and skills
- Informing stakeholders and fostering commitment

Real changes on the ground
IEE - a tailored package of activities additional to projects

Concerted Actions with Member States

Policy support studies, Standards

Covenant of Mayors

Web portals

EUSEW

ELENAN

European Local Energy Assistance
Need more information?

http://ec.europa.eu/energy/intelligent
Structure of the IEE Bioenergy key action

- Strategic initiatives
  - Solid biomass supply chains
  - Liquid biofuels supply chains
  - Biogas supply chains
IEE Bioenergy projects ( Calls 2003-2013)

More information in the projects database: 
IEE Biogas projects

Biogas

Bio-methane

Prominent logos and initiatives associated with biogas and biomethane projects.
<table>
<thead>
<tr>
<th>ACRONYM</th>
<th>WEBSITE</th>
<th>BRIEF DESCRIPTION OF MAIN PURPOSE</th>
</tr>
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<tbody>
<tr>
<td>BioEnergy Farm II</td>
<td><a href="http://www.bioenergyfarm.eu/">http://www.bioenergyfarm.eu/</a></td>
<td>BioEnergy Farm II is based on the BioEnergy Farm experience and lessons learnt. The project focuses on micro-scale biogas installations which mainly use own manure and feed leftovers of the farm. Farmers are supported to assess the feasibility of business plans. This should result in an increase of 60 MW of biogas capacity installed in Belgium, Denmark, France, Germany, Italy, Netherlands and Poland.</td>
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<td>BIOGAS³ (2014-2017)</td>
<td><a href="http://www.biogas3.eu">http://www.biogas3.eu</a></td>
<td>The aim of BIOGAS³ is to promote the sustainable production of renewable energy from the biogas obtained from agricultural residues and from the food and beverage industry wastes in small-scale projects (&lt;100kW) for energy self-sufficiency. Target countries: France, Germany, Ireland, Italy, Poland, Spain and Sweden.</td>
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<td>GR3 (2013-2016)</td>
<td><a href="http://www.grassgreenresource.eu/">http://www.grassgreenresource.eu/</a></td>
<td>Promoting and triggering the use of grass residues for the production of biogas, by stimulating the creation of supply chains between grass residue producers and biogas plants in Belgium, Italy, Germany, Denmark and Portugal.</td>
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UrbanBiogas (05/2011-04/2014)

- Promotion of biogas production from organic fraction of municipal waste in 5 cities: Zagreb (Croatia), Abrantes (Portugal), Graz (Austria), Rzeszów/Gdynia (Poland), and North Vidzeme Region including City of Valmiera (Latvia)
  - Support to municipalities in implementing sustainable waste management systems and in preparing investments for new biogas plants and further upgrading to biomethane
  - 770 participants in Task Force Meetings and more than 350 participants in training courses
  - Tender for waste to biogas plants published in Valmiera, almost published in Graz and waste to biogas/biomethane plants options considered by Zagreb and in region around Abrantes

- Target countries: AT, HR, LV, PL and PT

Project CO: WIP, dominik.rutz@wip-munich.de
Website: http://www.urbanbiogas.eu/
Bio-Methane Regions

Bio-Methane Regions (05/2011-04/2014)

• Promotion of biogas production and upgrading to bio-methane, developing regional action plans and strategies and providing support to potential investors:
  • 81 pre-feasibility checks and 60 full feasibility assessments performed
  • 28 plants under construction/completed and additional 4 fully authorised (more than 90 M€ investments)
  • 159 policy makers from 9 countries participated in study tours
  • 166 potential developers from 12 regions participated in study tours
  • Using tools and experience from Biogas Regions project, which mobilised 40 M€ investments and triggered 8 MW RES production in 7 regions

• Target countries: AT, BE, DE, DK, FR, HR, HU, IT, SE, SI and UK

Project CO: Severn Wye Energy Agency Limited, andy@swea.co.uk
Website: http://www.bio-methaneregions.eu/
GreenGasGrids

GreenGasGrids (06/2011-05/2014)

• Creation of national and EU roadmaps for integration of biomethane in the natural gas grid up to 2030
• Set-up of working groups at national and EU level involving relevant stakeholders from private sector to work on technical standards, sustainability, trade and policy targets
• Investments triggered for 8 new bio-methane projects in starter countries (2 SK, 1 HU and 5 UK) and 16 in forerunner countries (2 FR, 10 NL, 1 AT and 3 DE)
• 5 regulatory amendments made in participating countries improving framework conditions for bio-methane

• Target countries: AT, DE, ES, FR, HR, HU, IT, NL, PL, SK, SE and UK

Project CO: dena, info@greengasgrids.eu
Website: http://www.greengasgrids.eu/
Review of IEE-II bioenergy projects

Scope of the tender:
To assess impact and achievement of 47 bioenergy projects supported under IEE II

9 May 2015 M3 M7 M12 M14

Methodologies Collection of information and data Assessment impacts and achievements Dissemination

Event presenting results end of June 2016
Thank you!

silvia.vivarelli@ec.europa.eu