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D6.9 Report on the EU dissemination

BIOGAS³

Sustainable small-scale biogas production from agro-food waste
for energy self-sufficiency

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With the collaboration of all project partners

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1. Introduction

As a great part of the project was based on communication, it was very important to ensure an EU level of dissemination. That dissemination involved two main channels, the European Enterprise Network (EEN) and the European association of food and drink (FoodDrinkEurope). Using these channels was possible to reach countries which are not directly involved in the project and bring Biogas3 to another level.

AINIA was responsible of the contact with the EEN, while FIAB is a member of FoodDrinkEurope, with a delegation in Brussels, in permanent contact with European Food Federations and leading the platform Food for Life-Spain reporting projects results to the European Platform Food For Life.

European dissemination was done as well thanks to the presentation by FIAB in the annual meeting of the association FoodDrinkEurope and the Platform Food For Life. European dissemination was made as well to subsectors of the agro-food industry, through several European events.

AINIA, as project coordinator, was responsible for the dissemination to European Biogas Association (EBA). Additionally, other dissemination events made possible to reach a wider audience at EU level from participating and non-participating countries such as additional publications, presentation of the project and visit to biogas pilot plant for European university students or international conferences presentations for scientists and technical staff from international companies, among others.

2. Achieved work

Next table summarizes the main dissemination activities at EU level carried out within the BIOGAS3 project life. These activities started in 2014 and continued in 2015 more intensely until the end of the project in 2016.

Channel	Type of dissemination at EU level	BIOGAS3 Partner
EUROPEAN ENTERPRISE NETWORK	04-05/09/2014, Aarhus (Denmark). 35th AGROFOOD SECTOR GROUP MEETING. Sharing experiences section; Oral Presentation	AINIA
EUROPEAN ENTERPRISE NETWORK	05/05/2015, Milan (Italy). 36th AGROFOOD SECTOR GROUP MEETING. Sharing experiences section; Oral Presentation	AINIA
EUROPEAN ENTERPRISE NETWORK	From September 2015 until February 2016. Promoting innovative technologies in EEN database of technology profiles	JTI
EUROPEAN ENTERPRISE NETWORK	From September 2015 until February 2016. Promoting innovative technologies in EEN database of technology profiles	AINIA
EUROPEAN ENTERPRISE NETWORK	Involvement of the EEN-Agrofood sector: Dissemination on the Intranet of EEN: http://een.ec.europa.eu/ Dissemination on the Calendar events (Spain): http:// www.seimed.eu	AINIA
EUROPEAN ASSOCIATION OF FOOD AND DRINK	29/05/2014. Milan. MEETING OF THE WORKING GROUP SPREAD EUROPEAN SAFETY (SPES) Food and Drink Federations. Ongoing projects of FIAB. Oral Presentation of BIOGAS3 project	FIAB
EUROPEAN ASSOCIATION OF FOOD AND DRINK	Brussels. Meetings at FoodDrinkEurope in Brussels	FIAB
EUROPEAN BIOGAS ASSOCIATION WEBSITE	15/01/2016-09/02/2016. Dissemination of the Final Conference Event of the project on EBA's website. Section « Calendar »	AINIA
INTERNATIONAL CONFERENCE	26/08/2015. Valencia (Spain). International Conference on Biofuels and Bioenergy. Oral Presentation	AINIA
FOOD FOR LIFE PLATFORM	29/05/2014. Meeting. Oral Presentation	FIAB
INTERNATIONAL EXHIBITION	FIAB promoted BIOGAS3 project in Milan during Universal Expo in June 2015	FIAB
OTHER	Dissemination at EU level through twitter and mailing among agro-food stakeholders	FIAB
OTHER	28/07/2015. Paterna (Spain). CLIMATE-KIC INNICIATE EVENT organized in AINIA in collaboration with University of Valencia. Oral Presentation	AINIA
OTHER	September 2015. Participation in an article in Dutch for the Magazine "Management & Technik"	AINIA

2.1. European Enterprise Network dissemination

The EEN is mainly composed by multiplier organisations. Its mission is to increase the competitiveness of companies (mainly SMEs) through technology transfer services fostering technological cooperation among European countries. This pan-European Network was used for dissemination among participating and non-participating countries where the consortium has limited influence, via websites, newsletters, workshops or seminars around Europe.

In relation to the dissemination through EEN-Agrofood sector chaired by AINIA, it was carried out in the 35th AGROFOOD SECTOR GROUP MEETING a first general presentation of BIOGAS3 project as well as main activities free of charge that were planned for 2015 and 2016. This presentation was developed in Aarhus, Denmark (see Figure 1 below).

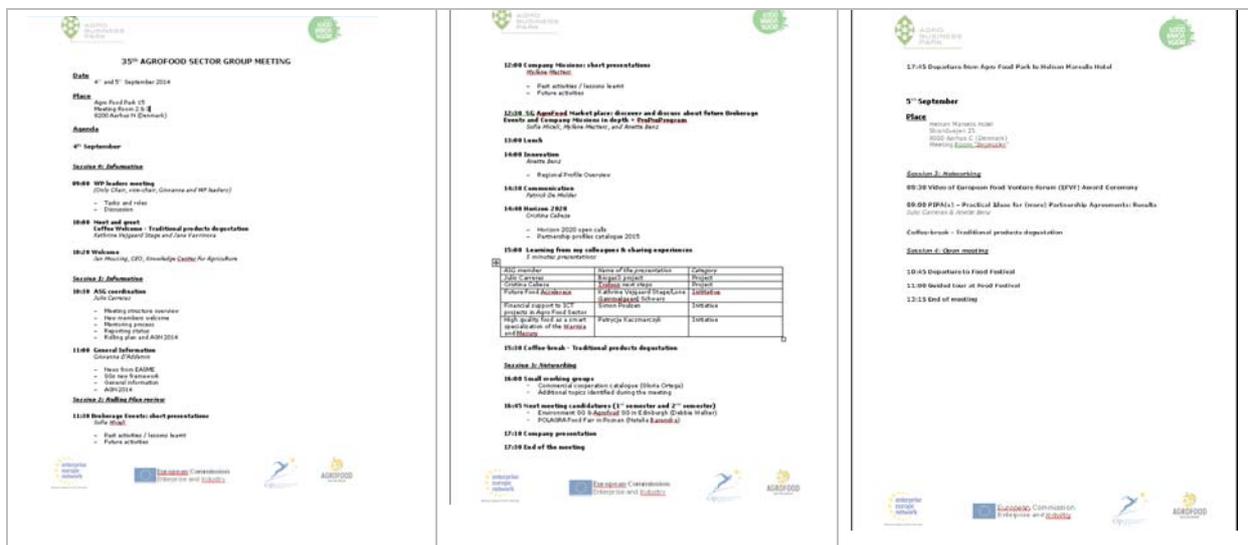


Figure 1. Agenda of the dissemination in EEN in Aarhus, Denmark (AINIA)

A second meeting from this group named 36th AGROFOOD SECTOR GROUP MEETING was carried out in Milan (Italy). AINIA conducted as well a presentation of BIOGAS3 project in this meeting in the framework of “EXPO 2015 - BROKERAGE EVENT SETTORE AGROFOOD MANUFACTURING”. In particular, it was developed a presentation of BIOGAS3 project focused on results achieved (Handbook of small-scale anaerobic digestion technology, smallBIOGAS tool, etc.). However, the main purpose was to promote one-to-one meetings in the involved countries trying to promote small-scale AD technology model. Therefore, the details of contact partners from each country were highlighted in order to promote brokerage events between biogas plant providers and agro-food industries interested in small-scale biogas plants for their industries. Also the website was promoted in order to widespread the impact of training activities included in BIOGAS3 project.

Project progress and results were also disseminated through specific EEN sector groups by promoting innovative technologies in EEN database of technology profiles and offering the possibility to contact with national partners to arrange one-to-one meetings with potential end-users at Agro-Food and Intelligent Energy trade fairs or brokerage events. Partners of BIOGAS3 contacted with biogas plant suppliers that were collaborating with the project previously from

their own country and explained the possibility of use of this service from EEN. They could create a technology profile offer to promote their small-scale technology and to widespread their profile through regional contacts of EEN (see next Figure with an example of Technical profile offer and mailing to biogas plant providers).

<p>Technology Offer Profile</p> <p>The following table can be used as a template for drafting a Technology Offer profile. Please be sure to refer to the Technology Offer Profile Guidelines for what information you should include in each field.</p> <p>Please note:</p> <ul style="list-style-type: none"> Fields that can be ticked should only have one selection when drafting the profile unless specified under the field title. Fields marked with asterisk (*) are mandatory 													
<table border="1"> <thead> <tr> <th>Field Title</th> <th>Field To be populated</th> </tr> </thead> <tbody> <tr> <td>Title*</td> <td>Antimicrobial active surfaces assessment and validation</td> </tr> <tr> <td>Internal Reference</td> <td></td> </tr> <tr> <td>Summary* (1-500 characters)</td> <td>A Spanish research centre has designed some methodologies to assess and to validate antimicrobial properties of different materials. The proliferation of microorganisms on solid surfaces can cause discolorations, undesired odours and flavours or even a contamination focus. Antimicrobial active surfaces offer protection from risky microorganisms. The centre is interested in establish technical cooperation agreement with industry.</td> </tr> <tr> <td>Advantages and Innovations* (50-2000 characters)</td> <td></td> </tr> <tr> <td>Stage of Development*</td> <td> <input type="checkbox"/> Already on the market <input type="checkbox"/> Available for demonstration <input type="checkbox"/> Concept Stage <input type="checkbox"/> Field Tested / Evaluated <input type="checkbox"/> Project Already Started <input type="checkbox"/> Project in Negotiations - Urgent <input type="checkbox"/> Proposal under development <input type="checkbox"/> Prototype available for demonstration </td> </tr> </tbody> </table>	Field Title	Field To be populated	Title*	Antimicrobial active surfaces assessment and validation	Internal Reference		Summary* (1-500 characters)	A Spanish research centre has designed some methodologies to assess and to validate antimicrobial properties of different materials. The proliferation of microorganisms on solid surfaces can cause discolorations, undesired odours and flavours or even a contamination focus. Antimicrobial active surfaces offer protection from risky microorganisms. The centre is interested in establish technical cooperation agreement with industry.	Advantages and Innovations* (50-2000 characters)		Stage of Development*	<input type="checkbox"/> Already on the market <input type="checkbox"/> Available for demonstration <input type="checkbox"/> Concept Stage <input type="checkbox"/> Field Tested / Evaluated <input type="checkbox"/> Project Already Started <input type="checkbox"/> Project in Negotiations - Urgent <input type="checkbox"/> Proposal under development <input type="checkbox"/> Prototype available for demonstration	<p>Dear all,</p> <p>Within the project Biogas3 your companies have previously provided information on equipment and services that you offer to a biogas technology supplier handbook aimed to promote various technologies on offer to potential clients within EU.</p> <p>As part of the Biogas3 project we would like to draw your attention to another opportunity for free promotion of your products through the EEN database of technology.</p> <p>The Enterprise Europe Network (EEN) is the largest network of contact points providing information and advice to EU companies on EU matters, in particular small and medium enterprises (SMEs). The Network offers concrete and effective solutions free of charge to entrepreneurs and companies in more than 50 countries, including the 27 EU member states and other countries e.g. Croatia, Turkey, Norway, Chile, and the U.S. 15 Swedish business and research organizations make up the Enterprise Europe Network in Sweden. With offices in more than 20 cities and with more than 45 professional business advisors, Swedish small and medium sized businesses are offered a wide range of services:</p> <ul style="list-style-type: none"> information on EU legislation and EU funding, help finding business partners in other countries, assistance in participating in EU programs like the 7th Framework Program for Research and Technical Development, Horizon 2020 <p>If you are interested in setting up a company profile in the network database or any other network please feel free to contact me or our SME support team at SP: http://www.sp.se/smaforetag</p> <p>Please also feel free to visit the Biogas3 project website for access to the handbooks and further information about the project. http://www.biogas3.eu/en/</p> <div style="text-align: center;"> </div>
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Figure 2. Technical profile offer and mailing to biogas plant providers (AINIA; JTI)

Also the Final Conference event was also promoted through intranet service of EEN in all languages from participating countries and SEIMED in English (see next Figure).

Figure 3. Dissemination of final conference through EEN intranet service (AINIA)

2.2. European association of food and drink & Platform Food For Life dissemination

FIAB was in contact with FoodDrinkEurope developing several EU dissemination activities: presenting the project in the meetings at FoodDrinkEurope in Brussels, into Science, Research & Development Groups in which members have the possibility to present the projects they are involved in. FIAB presented the overall project in 2014 meetings and its results, mainly smallBIOGAS tool developed, in 2015 meetings.

FIAB is partner of two European Economic Groups: SPES (lead by Federalimentare, Italian Federation) and EEIG Ecotrophelia (lead by CCI Vaucluse, French Commerce Chamber). FIAB presented project results during 2015 meetings hold by these two groups in which are members almost all European Food and Beverage Federations and in which members share their projects and results.

FIAB promoted BIOGAS3 Final Conference agenda to all its European Stakeholders, particularly inviting FoodDrinkEurope partners and some Clusters working in Brussels as well as partners working in European Projects related to Energy Efficiency in which FIAB is involved. Additionally, FIAB takes always advantage of its permanent delegation in Brussels to disseminate also the projects in which it is involved.

FIAB started EU dissemination through the FOODFORLIFE-SPAIN platform (see Figure below) and also promoted the project within Food For Life Platform at EU level.



Figure 4. Dissemination in FOODFORLIFE-SPAIN platform (FIAB)

2.3. Dissemination to European Biogas Association

Begoña Ruiz (previous coordinator of BIOGAS3 project) representing AINIA tried to have a presentation at the EBA conference 2014. However, it was not accepted and it was not possible to carry out.

After that, AINIA was in contact with EBA and invited them to attend BIOGAS3 Final Conference event in Brussels and to participate with a presentation there. EBA not only accepted to participate in the event but also collaborated with the promotion of the Final Conference Event in EBA's website. In addition to that, EBA played an active role in the discussions of the Final Conference and attended all the presentations of mentioned event which included a good overview of the project as well as other key aspects of small-scale anaerobic digestion.

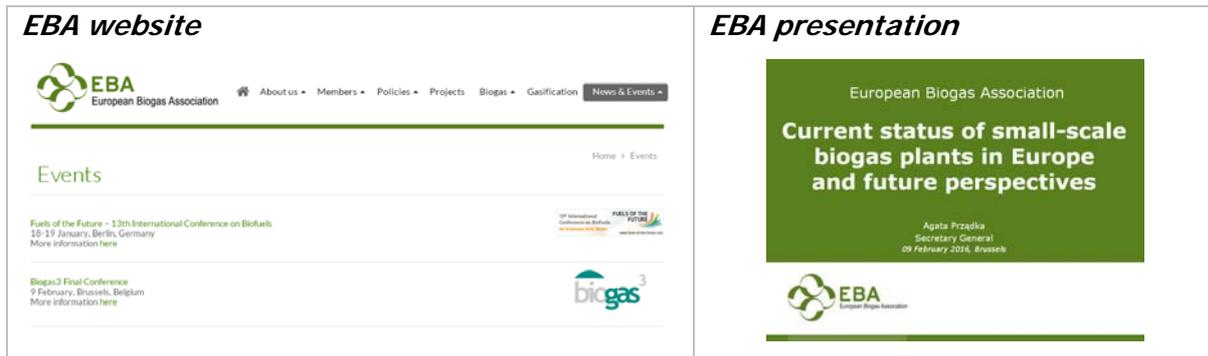


Figure 5. Dissemination in FOODFORLIFE-SPAIN platform (FIAB)

Thanks to their promotion and participation, it was possible to increase the number of participants as well as to increase the dissemination of the project.

2.4. Additional European dissemination

Several additional European dissemination channels were used within the project life making possible to reach not only audience from participating countries but also from non-participating countries. In particular, next activities were carried out before the end of the project:

a) FIAB promotes the project and its results through all its social networks in which a large percentage of members are European members not only national. FIAB managed BIOGAS3 Twitter account reaching more than 1000 followers from all European country project partners and also from other countries not involved in the project, especially food industry accounts as well as accounts related to biogas in the world.

FIAB promoted the project via mailing to all its European stakeholders, and by sending to them also its weekly agenda in which R&D and Innovation department activities are reflected and that included all BIOGAS3 meetings.

In addition to that, it is important to highlight the activity in twitter in the framework of the Final Conference developed in Brussels. It was relevant the event at EU level thanks to some followers which are social media influencer (more than 197 000 followers) and followed the event (see next Figure with twitter activity in relation to Final Conference).

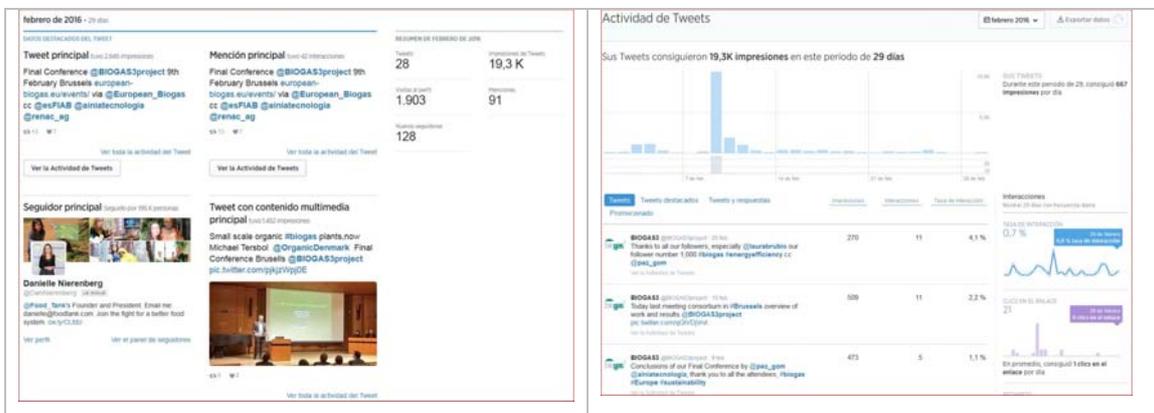


Figure 7. Dissemination at EU level in twitter (FIAB)

Additionally, FIAB promoted the BIOGAS3 Final Conference and consortium meeting done through FIAB agenda.



Figure 8. Dissemination at EU level in twitter (FIAB)

b) Collaboration with CLIMATE-KIC INNICIATE EVENT organized by European Research Projects' Office of the University of Valencia. This event was included in the Summer school "The Journey" carried out during the last two weeks of July 2015 and promoted thanks to EU Climate-KIC initiative. AINIA collaborated in the event with a presentation in which it was given an overview of the project adjusted to university students and it was possible to visit the biogas pilot plant available in AINIA's facilities. After the presentation, a discussion with them started asking about main aspects of anaerobic digestion process and small-scale technology. During the event, it was distributed flyers of the project to all the students.

Links:

OPER-UV (http://www.uv.es/operuv/eng/index_eng.htm)

CLIMATE-KIC INITIATIVE (<http://www.climatekic-valencia.org/about-us/climate-kic/?lang=en>)

c) Participation in the International Conference on Biofuels and Bioenergy (Valencia, Spain). An oral presentation providing an overview of BIOGAS3 activities was carried out by the coordinator of the project including examples, tools and planned activities for the last 6 months of the project. The audience was mainly scientists at international and EU level.



Figure 9. Dissemination in the International Conference (AINIA)

d) Collaboration with “Innovatiesteunpunt” in an article in Dutch by AINIA and with the collaboration of Spanish national biogas plant provider. Article published in a Magazine for farmers in Dutch “Management & Techniek” in September 2015 including a success case that has been compiled previously for BIOGAS3 materials. Next Figure includes the article.



Figure 8. Additional publications (article in Dutch)

e) FIAB promoted BIOGAS3 project in Milan during Universal Expo in June 2015 where FIAB managed the Spanish Pavilion, flyers and print material were disseminated from a stand where the project was explained to the visitors interested.