Sustainable Small-scale biogas production from agro-food waste for energy Self-sufficiency

BIOGAS3

The aim of BIOGAS3 is to promote the sustainable production of renewable energy from the biogas obtained of agricultural residues and food and beverage industry waste in small-scale concepts for energy self-sufficiency. Despite its multiple benefits, anaerobic digestion (AD) is not yet widely implemented in the agro-food sectors, or its implementation varies extremely between the EU-27 member states. New sustainable AD concepts are needed to increase the demand of biogas solutions. STRATEGY. 1) The needs of end-users in terms of energy demand, as well as their difficulties to install a biogas production facility will be analyzed. 2) Tools to address these needs will be developed. 3) on-field actions will be implemented to bring the developed tools to the end-users, including training sessions, workshops, webinars, national contact points, etc. A communication channel between the key actors will be developed and set in operation, to build capacity among them. The consortium includes agro-food associations, agro-food & bioenergy research centres, bioenergy associations, and training specialists oriented to renewables.

Results

- Small-scale AD model. Development of a sustainable model based on existing technologies of small-scale AD. It will include an energy demand management model to adapt the energy production to the fluctuating demand of the industry.
- Business collaboration models for funding opportunities. A handbook will be presented in national workshops, accompanied by a program to evaluate the sustainability of new small scale biogas plants (‘smallBIOGAS’)
- Build-up of skills and awareness on small-scale AD through on-line and face-to-face trainings, live webinars, national contact points. Train-the-trainer scheme.
- Communication channel BIOGAS3 Forum. Open space for collaboration between key actors. Dynamized by the organisation of seminars+brokerage events
- Website dedicated to small-scale biogas technology applied to agro-food industry waste. Information generated during the project will be available

Lesson learned

- Grant agreement not yet signed.
Partners and coordinator

| ASOCIACION DE INVESTIGACION DE LA INDUSTRIA AGROALIMENTARIA [1] | Spain          |
| JTI - Institutet för jordbruks- och miljöteknik [2]          | Sweden         |
| TECNOALIMENTI [3]                                           | Italy          |
| University of Turin [4]                                     | Italy          |
| IrBEA Ltd [5]                                               | Ireland        |
| Renwables Academy AG [6]                                    | Germany        |
| FUNDEKO Korbel [7]                                          | Poland         |
| Spanish Food and Drink Industry Federation [8]               | Spain          |
| Association for Technical Coordination for agro-food industry [9] | France        |
| French pork and pig institute [10]                          | France         |

Contact

ASOCIACION DE INVESTIGACION DE LA INDUSTRIA AGROALIMENTARIA
Spain

Contact point

Name: Ms. Ruiz Begoña

Budget

Overall budget: 0,00 € (EU contribution: 0,00 %)

In brief

Sector: Bioenergy

Duration: 16/06/2014 to 16/01/2015

Contract number: IEE-13-477

Tags:

- biogas

Media coverage

  7seizh - 13/11/2014
- La biomasa: una fuente de energía, ahorro y riqueza para la Industria [12]
  Interempresas - 16/09/2014
La biomasa: una fuente de energía, ahorro y riqueza para la Industria Agroalimentaria
Interempresas - 16/09/2014

La investigación mira a la industria agroalimentaria como futuro energético
Energías Renovables - 23/06/2014

Ainia coordina el proyecto Biogas3 para reducir los costes energéticos
Eurocarne - 18/06/2014

Biogas3, proyecto europeo coordinado por Ainia, permite producir energía en...
Te Interesa - 17/06/2014

Las empresas podrán reducir su factura energética gracias al biogás industrial
Las Provincias - 17/06/2014

FIAB apuesta por las nuevas tecnologías para las pymes agroalimentarias
Eurocarne - 05/06/2014

Ainia abordará los retos tecnológicos en aprovechamiento energético...
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Nuevas tecnologías para mejorar la eficiencia energética de las pymes agroalimentarias
Agrodigital.com - 06/05/2014

Un paso más para el autoconsumo con biogás en industrias agroalimentarias
Energías Renovables - 21/04/2014

Biogas3, un proyecto que aprovecha residuos agroalimentarios para producir energía renovable
OLIMERCA - 15/04/2014

La industria alimentaria apuesta por el reciclaje de residuos con Biogas3
EFECOM - 15/04/2014

RSE.- La industria de la alimentación interesada en producir energía renovable
Diario Responsable - 15/04/2014

El sector alimentario apuesta por reutilizar sus propios residuos
Europa Press - 14/04/2014

El proyecto Biogas3 busca utilizar para reutilizar los subproductos alimentarios en la producción de energías renovables
Eurocarne - 14/04/2014

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[Bioenergy Farm II] Manure, the sustainable fuel for the farm
[BIOTEAM] Optimizing Pathways and Market Systems for Enhanced Competitiveness of...
[SOLROD] Solrod Biogas Plant Investment Project


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