A focussed strategy for enabling European farmers to tap into biogas opportunities

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Our project in a nutshell

GERONIMO II-BIOGAS is a 30 month project with 13 partners from 11 European regions that aims to realise the untapped biogas potential in the European dairy and pig farming sectors by breaking down the barriers preventing uptake at farm level (lack of knowledge, capability, socio-economic barriers, etc.), as well as by creating favourable framework conditions which really foster and support the use of biogas technology as a means for treating farm manure and waste and contributing to energy production needs in Europe.
Our roots...

“GERONIMO II-BIOGAS” follows-on from “GERONIMO” (EIE/07/220) that developed the 1st interactive web portal for EU dairy farmers on the theme of on-farm energy efficiency and RES

www.dairyenergy.eu

It had dairy farmers, energy experts, policy makers, students, academics, equipment and service providers as members
Why biogas for dairy farms?

“GERONIMO I” identified clear interest among European dairy farmers to uptake biogas technology as a solution for managing the thousands of tonnes of manure they produce each year, as they face tougher legislation due to the high environmental impact involved.
Opening up GERONIMO to pigs

European pig farmers face similar challenges in handling thousands of tonnes of manure - the potential for channelling this manure to biogas is also highly promising.

GERONIMO II-BIOGAS welcomes the pig sector aboard!
Objectives of the project

GERONIMO-II BIOGAS will facilitate biogas technology uptake among European dairy and pig farmers to enable huge amounts of unused biogas potential to be tapped into, by:

- Working with dairy and pig farmers at grassroots level to quantify the biogas potential on their farms and to capacitate them to draw up robust business plans and strategies for investment in biogas facilities
- Selecting the most promising plans as pilot biogas investment projects, and commencing implementation of these pilot projects
- Transferring best practice in the area of pro-biogas policies, schemes and incentives from frontrunner regions such as Germany, Austria and Denmark, to other EU regions in order to create pro-biogas regional frameworks that remove the barriers from the top that are preventing the uptake of biogas technology among farms.
Expected results

1. Energy audits will be carried out on 72 dairy and pig farms from across EU-33.7 GWh of unused sustainable biogas energy potential will be identified that could save 135,000 tonnes of CO2.

2. 9 biogas pilot projects will commence implementation to ensure that at least 4,230 MWh of this potential is put onto the market prior to the end of the action, with 16,860 tonnes of CO2 being saved.

3. By capacitating and building the knowledge of these farmers it is expected that a further 60% of this sustainable energy potential should enter the market within 2-3 years of project completion, resulting in 20.2 GWh of electricity being saved and 81,000 tonnes of CO2.

4. Over 5,000 EU pig and dairy farmers will have been made aware of the benefits of biogas technology for their farms, and over 300 policy makers and government representatives will have been influenced on future policies, rules or procedures, that will lead to the creation of favourable pro-biogas framework strategies in at least 10 regions across Europe.
Domino effect?

By 2020, the leverage effect should have contributed to an additional 50 new biogas projects in Europe, putting 23 GWh on the market and saving some 93,750 tonnes of CO2.
The team

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**Partners**
- Faculty of Mechanical Engineering and Naval Architecture – Uni. of Zagreb (UNIZAG)-Croatia
- Electronic Systems Design Ltd. (ESDL)- Malta
- Institut für Energiedienstleistungen GmbH (IFED)- Germany
- Feltalálói és Kutató Központ Szolgáltató Kft. (MFKK)- Hungary
- KomTek Solution Aps (KOMTEK)- Denmark
- Royal Association of British Dairy Farmers (RABDF)- UK
- Lletes de Catalunya, LLET Nostra, SCCL (LLET)- Spain
- European Biomass Industry Association (EUBIA)- Belgium
- Cyprus Energy Agency(CEA)- Cyprus
- Grup Sanejament Porcí de Girona (GSP-GI)- Spain
- Limerick Business Support Unit (LBSU)- Ireland
Who are we?

We are 13 organisations from 11 regions in Europe comprising Dairy and Pig Associations and farms, Universities and Institutes, Biomass experts and Associations, and solutions providers.
Visit us at our web portal:

www.energy4farms.eu

See you there!