



Newsletter 1

August 2021

The project

LIFE SMART AGROMOBILITY: PROCESSING OF LIVESTOCK WASTE, FOR THE PRODUCTION OF BIOMETHANE FOR USE IN AGRICULTURAL VEHICLES AND BIOFERTILIZERS

Content:

The Project	1
Summer Course- Production of biogas on farms and use in sustain- able mobility, at the University of Valladolid, Campus Duques de Soria	2
The project in the Alme- ría summer University Courses	2
The project in EUREKA- PRO WEEK of University of León	3
Next events	3

The LIFE SMART AgroMobility project, co-financed by the LIFE Program, will develop a prototype that will have microalgae biotechnology for the biogas upgrading process and production of gaseous fuel from renewable origin (biomethane) capable of supplying biofuel for two light vehicles. Thus promoting a process based on circular economy, obtaining biofertilizer from algal biomass.

contribute to the development of rural areas, which will be analyzed within the framework of the project.



Picture of Sauquillos' farm.

The production of this biogas has a double purpose; by one hand the generation of a gaseous fuel (as biofuel) with low emissions that supports a low carbon emission economy, and on the other hand to be used as economic viability of the management model, providing a financial income linked to its market uptake.

Therefore, the process to develop a management model for this biogas, from an environmental point of view (emissions) and from its commercialization, could

It should be a model that contributes to sustainable rural development, generating environmental benefits, diversifying the income of farmers and forest owners, creating employment opportunities in rural companies and new business opportunities for them, which could generate new sources of income even for supporting critical public services or infrastructure in rural areas.

For your interest:

- Asociación Española de Valorización Energética de la Biomasa. www.avebiom.org
- Spanish biogas association. www.aebig.org
- European biogas association. www.europeanbiogas.eu

Project events

I Summer Course-Production of biogas on farms and use in sustainable mobility, at the University of Valladolid, Campus Duques de Soria

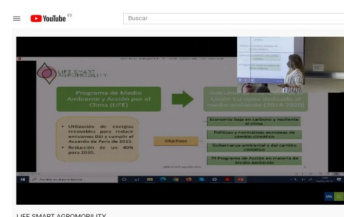
Soria, 15th and 16th July 2021

The objective of this course, organized by the **VALLADOLID UNIVERSITY** has been to make known the technologies and possibilities of the biogas production in the livestock sector. During two days, brief talks related to each of the key aspects of the process were presented: biogas production, vehicular use of biogas, integration in farms, sustainable fertilization and emission reduction. Speakers from other LIFE projects with related topics such as emission reduction, fertigation and renewable gas have participated too.

“Biogas is a renewable energy source, from organic waste, which contributes to developing the circular economy”

JUEVES 15 DE JULIO 2021	VIERNES 16 DE JULIO 2021
10:00 - Apertura de curso José Luis Ruiz Zapatero - Vicerrector Campus Soria Rafael Ayuste Cúpido- Jefe del Departamento de Energías Renovables EREN Ignacio de Godos Crespo – Profesor Ayudante Doctor – UVA	10:00 - Apertura de la sesión José Luis Ruiz Zapatero - Vicerrector Campus Soria Benito Serrano Mata - Presidente Diputación de Soria Ignacio de Godos Crespo – Profesor Ayudante Doctor – UVA
10:20 – Laura Sánchez Martín (UPM) – Proyecto LIFE Smart Agromobility	10:20 – José Antonio Gonzalo Égido (COPISO) - LIFE Fertirrigation
10:40 – Carlos Repáraz Martín (Everis ingeniería) – Digestores anaerobios de bajo coste	10:40 – Jaime Ezquerro Martínez (FCC Medio Ambiente) Proyecto Landfill
11:00 – Raúl Muñoz Torre (UVa) – Tecnologías de upgrading de biogás	11:00 – Adriana Correa Guimaraes (UVa) LIFE Ammonia Trapping
11:20 – Carla García Heras (GASNAM) – El uso del biometano en la movilidad.	11:20 – Marta Pilar Lázaro (ENSO) - LIFE CO2 Int Bio
11:40 – Alfonso García Álvaro (UVa) – Hibridación de tecnologías en digestión anaerobia	11:40 – Marcelo Ortega Romero (UPM) – Oportunidades ambientales y económicas de la captación de CO2
12:00 – Café y aperitivo	12:00 – Café y aperitivo
12:40- Israel Díaz Villalobos (UVa) – Power-to-methane: Tecnologías de upgrading biogás con hidrógeno de fuentes renovables	12:40 – Sara Pascual Sevilla (UNIZAR) – Sistemas de Calcium looping para captación de CO2, integración en plantas de biogás
13:00 – Víctor Pérez Martínez (UVa) – Proyecto Urbiofin	13:00 – Virginia Pérez López (CEDER-CIEMAT) - Proyecto LIFE-DRY4GAS: Secado solar de lodos de depuradora para la recuperación energética mediante gasificación
13:20 – Félix Gaspar Gonzalo Ibrahim (UVa) – Sistemas de depuración con microalgas, aproximación a escala laboratorio y piloto	13:20 – Rafael Ayuste Cúpido (EREN) Las posibilidades de las renovables en el mundo rural
13:40 – Eva Blasco Hedo (CIEDA) – Aspectos normativos de la producción de biogás en instalaciones ganaderas	
16:30 – Taller de producción de biogás	

If you could not follow the course, it is available through Youtube by clicking on the image:



The project has been present in:

XXII Summer courses of Almería University

Almería, 8th July 2021



The LIFE SMART Agromobility project has been presented at the **XXII SUMMER COURSES OF THE UNIVERSITY OF ALMERIA** by the project coordinator, the Higher Technical School of Mining and Energy Engineers of the Polytechnic University of Madrid.

The project has been present in:

Internacional Weet at University of. [ALIANCE EURECA-PRO](#)




León, 6th July 2021

The project has been presented along with others, by the project partner Regional Energy Agency of Castilla y León (EREN), during the EURECA-PRO WEEK ALIANCE, within the framework of a program of activities structured around Sustainable Development Goal 12 of the Agenda 2030, the Responsible Production and Consumption, which guides together with the 4 related to Quality of Education the whole [EURECA-PRO](#) project.

Next events:

LIFE SMART AgroMobility will participate in [Expobiomasa 2021](#).

Follow us:

 smartagromobility@gmail.com

 [@AgroMobility](https://twitter.com/AgroMobility)

 LIFE SMART AgroMobility

 Blog LIFE SMART AgroMobility

Coordinator:
Bernardo Llamas
UNIVERSIDAD POLITÉCNICA DE MADRID
Escuela Técnica Superior de Ingenieros de Minas y Energía
Departamento de Ingeniería Geológica y Minera
Address: Alenza 4 / M3. Madrid, Madrid SPAIN
Tel: +34 910 67 65 34
E-mail: bernardo.llamas@upm.es

Project partners:

[UNIVERSIDAD POLITÉCNICA DE MADRID \(UPM\)](#)

[COPISO SORIA, S.C.](#)

[Ente público Regional de la Energía de Castilla y León \(EREN\)](#)

[EVERIS INGENIERIA SLU](#)

[Fundación General de la Universidad de Valladolid \(FunGe-UVA\)](#)

[ASOCIACIÓN IBÉRICA DE GAS NATURAL Y RENOVABLE PARA LA MOVILIDAD \(GASNAM\)](#)

[Natural & bio Gas Vehicle Association \(NGVA\)](#)

[UNIVERSIDAD DE VALLADOLID \(UVA\)](#)

