



LIFE Smart Fertirrigation

LIFE14 ENV/ES/00640– Smart Fertirrigation
(09/2015 – 12/2019)

INITIATIVES FOR A CIRCULAR ECONOMY

*Tuesday, 3 December, 2019
10:00 – Soria
Conference Room (COPISO)*

FINAL CONFERENCE



Project Coordinator. Field
trials



Supplier of the solid fraction
drying technology



Supplier of the liquid fraction
filtering technology



LIFE Smart
Fertirrigation



Technical coordinator and
supervisor of the assembly of
the digestate and slurry
treatment plant

COPISO - SORIA
Avda. Valladolid, 105
42005 SoriaESPAÑA



Demonstrators on
experimental irrigated farms

Project co-financed by the European Commission
through the LIFE programme



Coordinator of communication
and dissemination of results

Register at

www.smartfertirrigation.eu



LIFE14 ENV/ES/00640
**Integrated pig manure digestate
 processing for direct injection of organic
 liquid fertilizer into irrigation systems**

**LIFE Smart
 Fertirrigation**

Why?

Spain is Europe's second largest producer of pork with 99 561 pig farms. The excess of manure available in intensive pig breeding areas, however, along with a lack of land to spread it on, needs addressing. Many anaerobic digestion plants have nevertheless been established to convert the enormous amount of pig slurries into biogas and digestate. Biogas can be transformed into renewable energy, while the digestate and liquid fraction has untapped potential for use as organic fertilizer.

How?

LIFE Smart Fertirrigation, based on the principles of **circular economy**, intends to demonstrate a more efficient and sustainable method of treating pig manure. The manure can reach full potential of nutrient recovery by creating two biofertiliser end-products: a solid fraction and a liquid fraction to use in irrigation systems.

What is Circular Economy?

A circular economy aims to redefine growth, focusing on positive society-wide benefits. Underpinned by a transition to renewable energy sources, the circular model builds economic, natural, and social capital. It is based on three principles: Design out waste and pollution; Keep products and materials in use; Regenerate natural systems.

Invited Projects



Program	
10:00	Reception of attendees
10:15	Official opening and welcome of authorities Javier Blanco Presidente (COPISO) Andrés García Gerente (COPISO)
Speakers	LIFE Smart Fertirrigation Partners
10:45	Introduction to LIFE Smart Fertirrigation Javier Peinado (IMASDE)
11:00	Technological innovations in slurry transformation Luis Leyda (TEQBIO)
11:30	Fertirrigation from digestate and liquid slurry fraction Arturo Daudén (Experto en purines)
12:00	Effect of the inclusion of phytases in the feed Pascual López (COPISO)
12:15	Life Cycle Analysis of transformed slurry Victor Delcoso (EHS Techniques S.L)
12:30	Resource efficiency in Soria farms Eduardo Pascual (COPISO)
12:45	Coffee / Networking with other LIFE projects
Speakers	Resource Efficiency and circular economy - invited experts
13:15	- Mercedes Sánchez (LIFE Ammonia Trapping-UVA) - Joan Parera (LIFE FUTURAGRI-DARP) - Enrique Aymerich (LIFE ANADRY-CEIT-IK4) - Víctor Riau (H2020 CIRCULAR AGRONOMICS-IRTA)
14:00	Questions & Conclusions
14:30	Light Lunch
16:00	Closing of the day

*We support the transition towards a resource efficient
 circular economy*

Register at www.smartfertirrigation.eu