



Operational Group:

Livestock effluents: strategic approach towards agronomic and energetic valorization of flows in the farming activity



Practical problem

Livestock production is concentrated in certain regions, some without enough area for landspreading valorization of effluents. Therefore, in order to be competitive and comply with legal requirements, the sector should promote a circular economy, pursuing new alternatives for effluents management.

Partners

Type:

- Research
- Research/ Teaching
- Research/ Teaching
- Research/ Teaching
- Agri association
- Agri association
- Agri association
- Agri enterprise
- Agri enterprise
- Agri enterprise
- Consultant
- Agri enterprise
- Agri enterprise

Name:

- Instituto Nacional de Investigação Agrária e Veterinária
- Instituto Superior de Agronomia
- Universidade de Trás os Montes e Alto Douro
- Universidade de Évora
- Associação Portuguesa de Criadores da Raça Frísia
- Associação Portuguesa dos Industriais de Alimentos Compostos para Animais
- Federação Portuguesa das Associações de Suinicultores
- CAMPOAVES
- VALORGADO
- ALIRAÇÕES
- TTerra-Engenharia e Ambiente, Lda.
- Leal & Soares, SA
- Ingredient Odyssey

Project Objectives:

Valorize livestock effluents as a resource, focusing on the production and integrated management of the different flows generated;
Optimize effluents use as secondary raw materials, recovering energy and nutrients, improving farm nutrient balances and promoting sustainable management.

Expected results:

- A roadmap for effluents management, including technology portfolio, linked to farm characteristics and regional constraints;
- Support decision making on centralized/decentralized solutions;
- Contribute to sustainable livestock intensification and landscape planning, to face climate change and resources scarcity.

Results so far/first lessons:

- Recognition of the need for:
- Integration of livestock production data at local/regional/national scale;
 - Landscape planning for livestock production towards environmental sustainability, sector competitiveness and rural development.

Who will benefit:

The beneficiaries will be the animal producers and farmers, its sustainability and the image and brand of the sector.

Start: 01/09/ 2017
End: 31/08/ 2020

Budget: 509 980 €

