

## Innovation in livestock waste management

### Summary

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The new model of fertilization rules under development by the Catalan Agriculture Department will set new obligations in the management of livestock manure, some of them already applied, and involve undoubtedly a change in the current operation of management livestock manure.

### Objectives

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The objective is to consolidate an Operative Group to deploy pilot projects to validate innovations that are considered most useful for the existing and upcoming challenges:

- Application GDN: to develop and change manure management plans
- Previous annual Declaration (EPD). It will replace manure management plans.
- Annual Declaration management done (DAR): It will replace the management books and annual report.
- Manure treatments: mandatory for farms located in areas ZADER (> 25,000 kg N).
- GPS and automatic data logging: in transport more than 10 km.
- Applications: conditions for the application of the liquid fraction in irrigation.
- Machinery: Obligation of hanging pipes, conductivity and calibration record.
- Composting can reduce up to 25% capacity.
- Reduction of N by feeding management.
- Management centers: replace the joint plans.

### Conclusions

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Thanks to the work done it has been achieved the commitment to create an Operative Group with cooperatives from livestock and milk sector inside the Federation of Agricultural Cooperatives of Catalonia, and IRTA and Fundació Mas Badia as research centers. This Operative Group has defined the objectives and the work packages to run a pilot project over the period 2017-2019 in order to find innovative solutions to the challenges defined in the initial proposal.

### Operational Group Leader

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Entitat: **FEDERACIÓ DE COOPERATIVES AGRÀRIES DE CATALUNYA (FCAC)**

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Tipologia d'entitat:

**Associació o federació de cooperatives**

### Keyword-category

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Fertilisation and nutrients management

### Territorial scope

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**Província**

Tarragona

Lleida

Girona

Barcelona

**County**

## Project dissemination *(publications, seminars, multimedia...)*

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Web de la Federació

## Project website

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www.fcac.cat

## Other project information

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### Project period

### Approved budget

Starting date (month-year): Novembre 2015

**Total budget: 17.500,00 €**

End date (month-year): Setembre 2016

*Funding source DARP:* 6.982,50 €

Project status: *Finalised*

*Funding source EU:* 5.267,50 €

*Own funds:* 5.250,00 €

## With the support of:

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*Ordre ARP/258/2015, de 17 d'agost, per la qual s'aproven les bases reguladores dels ajuts a la cooperació per a la innovació a través del foment de la creació de grups operatius de l'Associació Europea per a la Innovació en matèria de productivitat i sostenibilitat agrícoles i la realització de projectes pilot innovadors per part d'aquests grups, i es convoquen els corresponents a 2015.*

*Id. projecte: 80 2015*