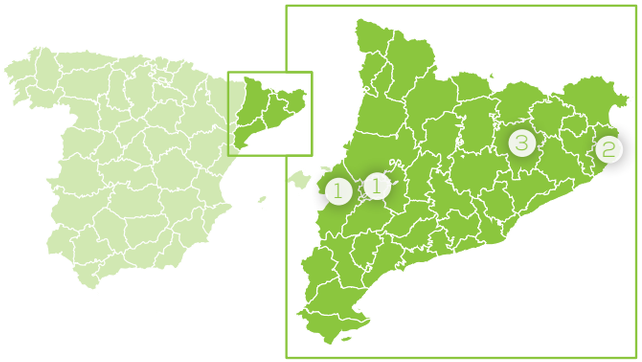
Challenge



1. Vila-sana (Segrià) / Suchs (Pla d'Urgell)
2. Baix Empordà
3. Osona

DESCRIPTION

- Typical Mediterranean biogeographic region
- Mild winters and warm summers
- Many hours of sunshine, free of clouds
- Water scarcity due to low rainfall

CHARACTERISTICS

- High farming intensity of the overall agricultural land
- Highly oriented towards livestock production (65-80% of the total farming activity)
- Livestock is concentrated in specific areas, resulting in high nitrate levels in groundwater, surplus of nutrients in the soil and risk of emissions to the atmosphere

CHALLENGES

- High competition for water among various users
- Soil conservation with low organic carbon content

SELECTED PRACTICES

- Pig manure valorisation, bioenergy and organic fertiliser production
- Mixed farming system with ruminants (precision feeding tools) and production of fodder crops
- Long-term organic fertilisation trials (assessment of changes in soil organic carbon and phosphorus accumulation in soils)

Participating partners

Case study leader :

IRTA
RESEARCH & TECHNOLOGY FOOD & AGRICULTURE

PORGA PORCS SL

EMA
Depuració i Enginyeria de l'Aigua, slu.

Collaborators :

Fundació MAS BADIA
Estació Experimental Agrícola

ECOBIOGAS
especialistes en plantes de biogàs

Contact

Programme coordinator:
IRTA – Institute of Agri-food Research and Technology
Torre Marimon
08140 Caldes de Montbui
Barcelona, Spain
mail@irta.cat

Follow Circular Agronomics online

www.circularagronomics.eu

bit.ly/CircAgNews

@CircularAgro

Circular agronomics receives funding from the European Union's Horizon 2020 Framework Programme for Research and Innovation under Grant Agreement nº. 773649

Circular Agronomics

Circular solutions for carbon and nutrient management

Case study
Catalonia, Spain



CircularAgronomics-Catalonia-Trifold-_-12-2019_Final-EN.indd 1 10/12/2019 13:13:10