



Resilience for Dairy (R4D) has received funding from the European Union's Horizon 2020 research and innovation program under grant agreement No 101000770

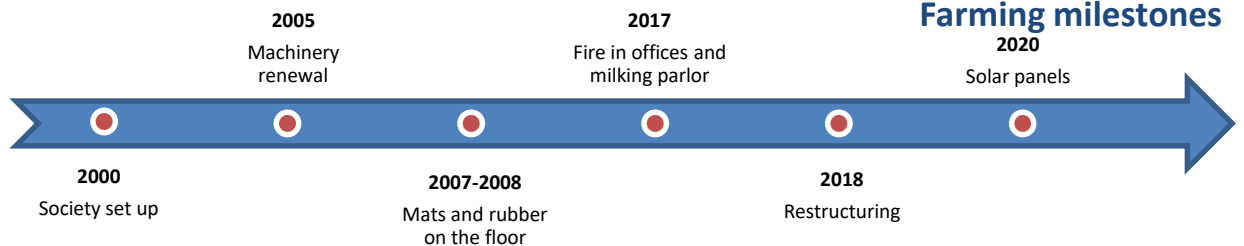
# C.B. El Haya Matienzo Pilot Farm description Karrantza/Carranza Valley

Spain



## Innovations

Socio-economic  
Resilience /  
Environment



### The herd

- 347 Livestock Units (LU)
- 200 dairy Holstein cows
- 78 dairy heifers
- 69 calves
- Age at first calving: 24 months
- 20 % replacement
- A.I. sexed & genomic; no replacement b.b.

### Agricultural Area

- 50 ha
- 50%-50% grass and ryegrass
- GUVAC cooperative → unified daily

### Workforce

- 5.45 a.m.-1 p.m. / 3 p.m.-8 p.m.
- 3 farmers partners
- 1 man full time labour
- 2 weekends off/month + 15 days/year

### Areas of interest

- Cooperativism between partners
- Animal & social welfare
- Milk quality

### Main buildings and Equipment

- 2 main pavilions
- 180 sleeping mat
- Milking parlor of 12x12
- Slurry scrapers
- Offices
- 4 slurry pits
- Ventilators
- Humidifiers

### "AA" quality milk production

- 2.300.000 L/year produced
- 4% butterfat and 3.4% protein
- 133 summatical cells
- 10 bacteria





## Strengths

- Organization among partners
- New facilities



## Weaknesses

- Lack of surface
- Current € situation
- Generational change in 10 years



## Opportunities

- Slurry delivery service and biogas plant in the Valley:
- 1.5 €/m<sup>3</sup>



## Threats

- Rough terrain for slurry
- Urban land pressure
- Minimize costs



## Improvement project - objectives

- Maintain work load

- Save water and energy consumption



**ECONOMY & LABOUR**

- Optimise dairy gross margin
- Keep a good global profitability for a knowledge transfer centre

- Improve forage self-sufficiency



**RESOURCE EFFICIENCY**

**PROJECT**

**ENVIRONMENT ANIMAL WELLBEING**



Partners



Colaborators



“Resilience 4 Dairy” is a European project involving 15 European countries and 18 partners. R4D is a thematic network on innovations and aims to support EU dairy farming in these regions where dairy farming is a main economic activity.



R4D pilot farmers are involved in a National Dairy Akis group where needs, solutions and knowledge are exchanged with other farmers, advisors and scientists on their way to build a resilient system. More information <https://resilience4dairy.eu/>