



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

# Zubeltzu Torre Pilot Farm description Itziar-Deba

Spain

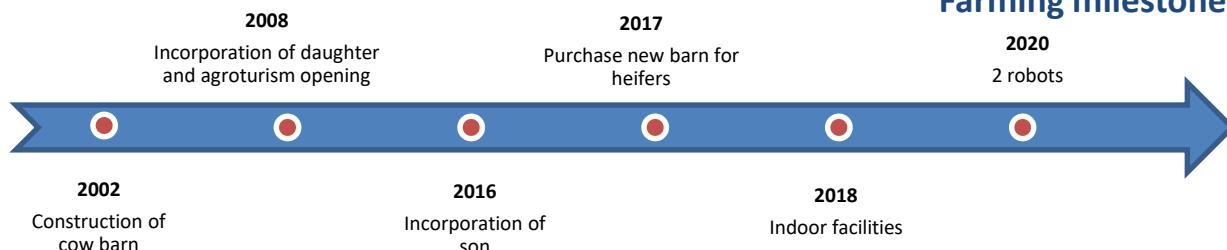


## Innovations

Socio-economic  
Resilience /  
Environment



## Farming milestones



### The herd

- 180 Livestock Units (LU)
- 97 dairy Holstein cows
- 40 dairy heifers
- 43 calves
- Age at first calving: 23 months
- 23 % replacement

### Agricultural Area

- 71 ha
- Permanent pasture → 61 ha
- Temporary pasture → 8 ha

### Areas of interest

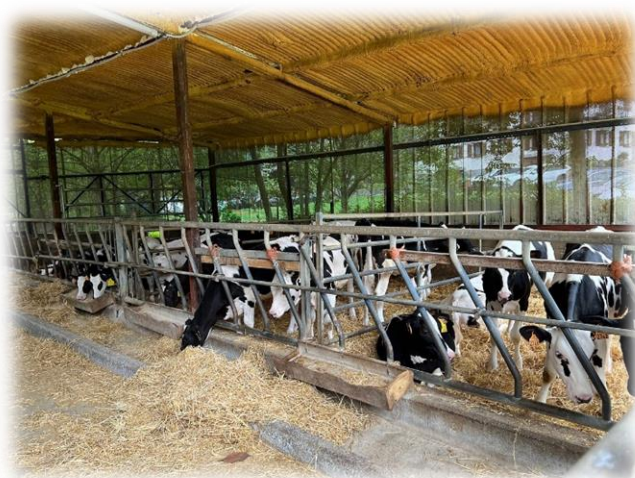
- Sustainability with innovation
- Animal welfare
- Agritourism → link rural-urban worlds

### Workforce

- 3 farmers → fulltime
- Father, mother and son
- An agritourism manager
- Possible +1 worker in the future

### Main buildings and Equipment

- 1 main pavilion
- 82 cubicles
- Sand beds
- Slurry scrapers
- Milking robots
- Cleaning robot
- Ventilators
- Cow-Welfare Cubicles



### Production / Technical results

- 1.067.000 L/year
- 3,78% butterfat and 3.6% protein
- 5.621 kg concentrate/cow/year
- 5.980 kg DM/cow/year
- Grass production → 9.152 T DM/ha/year



## Strengths

- Youthful strength of one worker
- Another rural business
- Good climate



## Weaknesses

- Lack of surface
- Age of 2 parents: near retirement



## Opportunities

- Promotion and approach by the rural hotel
- Possible 2 young workers in the future



## Threats

- Lack of fodder sometimes
- Precipitation and filling of the slurry tank
- Minimize costs

## Farmer's strategy for a "resilient" system

Make use of secondary activities (rural hotel) to reinforce the importance of the dairy sector.  
Put into practice the knowledge gained inherited from parents and computer facility (young)

## Aspirations / Needs for the future

Minimising costs and increasing efficiency  
Adapting to the changing climate of the area

## Improvement project - objectives

- Young workforce



ECONOMY &  
LABOUR

- Reduce concentrate for cow
- Save water and energy consumption



RESOURCE  
EFFICIENCY

PROJECT

- Resilience of animal welfare to climate and urban societal changes

ENVIRONMENT  
ANIMAL WELLBEING



Partners



Collaborators



"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/>