



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

# Ugarte-Berri S.C. Pilot Farm description Gipuzkoa - 2021



## **Innovations**

Socio-economic
Resilience /
Environment/
Technical
Efficiency





2018

creation of the civil company + incorporation of daughter and son 2020

Modernisation of facilities + solid-liquid separator

Farming milestones

Census increase

2019

Major investments (rotating room, self-propelled mixer)

2021

Use of the solid as a bed

2021

Recruitment of an employee

#### The herd

305 Livestock Units (LU)

160 dairy cows

Breeds: Frisian (100%)

141 dairy heifers

Calving period : all year round

Age at first calving: 25 months

#### **Agricultural Area**

#### 63 ha AA

- 51 ha perm. grassland
- 9 ha temp. grassland
- 96% forage area
- 100% grassland over forage area

#### Workforces

- 5 formed workers(Full Time Equivalent)
- · Aware of society and suburban issues
- Generational replacement assured
- Modern buildings and equipment

#### **Areas of interest**

- Slurry: different types of management
- Be more energy self-sufficient
- · Increase free time

#### Main buildings and equipments

- 140 cubicles with slurry solid extract
- · Heifer pavilion
- Rotary milking parlour (24 places)
- · Self-propelled mixer

- Solid-liquid separator + centrifuge
- Boxes for calves



## **Production / Technical results**



- 1.780.412 liters of milk produced
- 3,62 % fat & 3,21 % protein content
- 10.856 l of milk /cow /year
- Concentrate: 4.254 kg/cow





## Strengths

- High investments to imrove animal health and milk production
- Trained and formatted farmers
- Modernized equinment



## Weaknesses



## Opportunities

- Improve milk quality
- Improve working



#### Threats

- No capacity to extend the surface area
- Low milk price

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

Use of the solid fraction as a bed. Modernisation and investment in machinery to improve efficiency and reduce inputs **Continuous training of workers** 

# Aspirations / Needs for the future

Implementation of solar panels to become more energy sustainable

# Improvement project - objectives

Reduce work load



- Reduce fossil fuels
- Become more energy sustainable



RESSOURCE **Efficiency** 



- Keep a good global profitability for a knowledge transfer centre
  - Slurry solid fraction as a bed
  - **Energy autonomy**

**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/