



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

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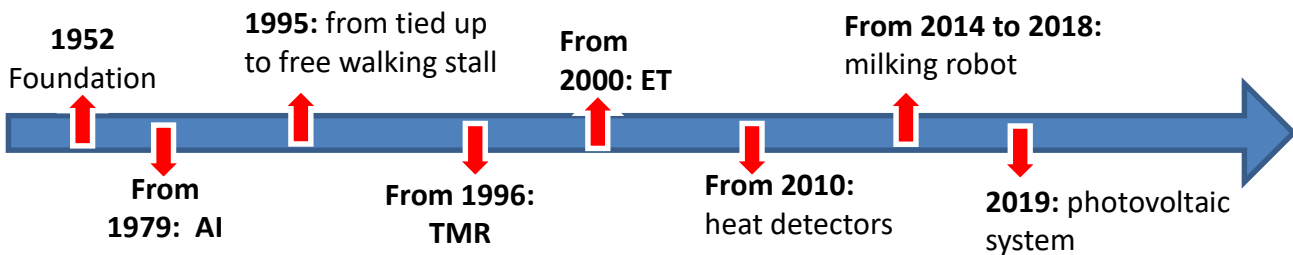


Innovations

Social and environmental sustainability & Technical efficiency



Farming milestones



The herd

- 340 Livestock Units (LU)
- 170 dairy cows
- Breeds : Italian Frisian, Bruna Alpina, Jersey
- 170 dairy heifers
- Calving period : all year round
- Age at first calving : 24 months

Agricultural Area

- 110 ha AA**
- 80 ha alfa alfa
 - 30 ha grassland



Workforces

- Family-run business
- 3,5 labour units (Full Time Equivalent)

Areas of interest

- Genetic/genomic
- Environmental impact reduction

Main buildings and equipments

- Free walk housing
- Straw cubicles
- milking robots
- Unifeed (TMR): Feed Mixer Wagon
- Individual + collective boxes for young calves
- Collective boxes on straw litter cubicles for heifers

Production / Technical results

- 1800000 liters of milk produced
- 3,80 % fat & 3,40 % protein content
- 38 liters of milk /cow / day (average)
- PDO Parmigiano Reggiano Cheese production



Strengths

- Good management and economic assessment skills



Weaknesses

- Area with high risk of Nitrates concentration



Opportunities

- PDO production (Parmigiano Reggiano Cheese)



Threats

- Lack of land for future expansion

Farmer's strategy for a "resilient" system

- Technical efficiency: milking robot, genetic/genomic, AI and ET
- Social/environmental sustainability: manure separator, strong commitment to enhancing farmers reputation at civil society

Aspirations / Needs for the future

- Reduce emissions and environmental impact



Partners



"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/>