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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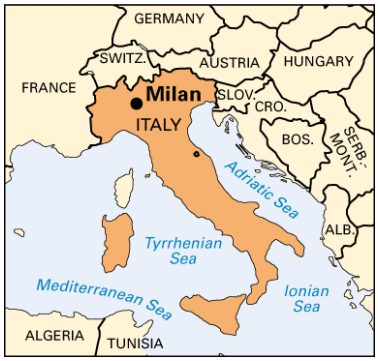
LOMBARDY - Milan

Italy

Innovations

Social and environmental sustainability & Technical efficiency



Farming milestones

1996 Foundation

2000 Milking robot

2019 Manure separator and Alligator bag

The herd

- 200 Livestock Units (LU)
- 100 dairy cows
  Breeds : Italian Frisian
- 50 dairy heifers
- Calving period : all year round
- Age at first calving : 24 months

Agricultural Area

110 ha AA

- 50 ha rice
- 20 ha maize
- 10 ha alfa alfa
- 30 ha grassland

Workforces

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

Areas of interest

- Genetic improvement
- Milk quality

Main buildings and equipments

- Free walk housing
- Sand and straw cubicles
- 2 milking robots
- Unifeed: Automatic Feed Mixer
- Individual + collective boxes for young calves
- Collective boxes on straw litter for heifers

Production / Technical results

- 1100000 liters of milk produced
- 3,94 % fat & 3,29 % protein content
- 37,7 liters of milk /cow / day (average)
- Fluid milk (for direct consumption)

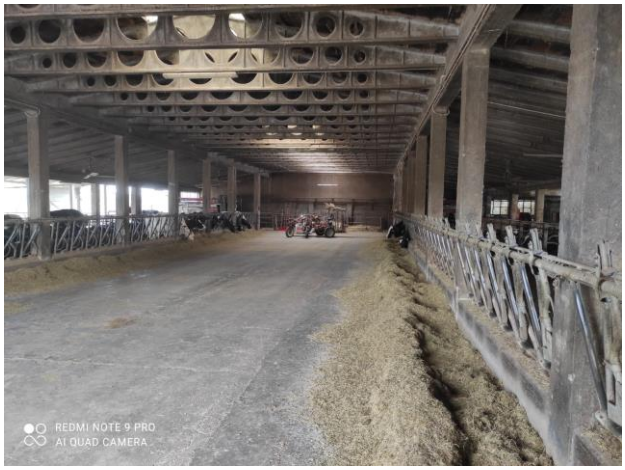
Strengths	Weaknesses	Opportunities	Threats
▪ Good management skills	▪ Slightly high stoking density	▪ Crops diversification	▪ Frequent weather hazards ▪ Hail, flooding

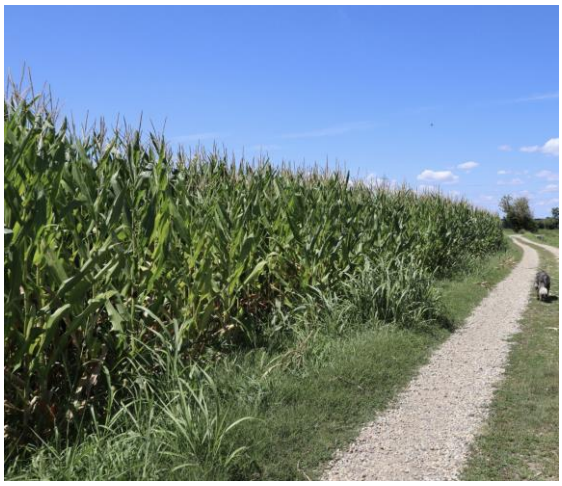
Farmer's strategy for a "resilient" system

- **Technical efficiency: milking robot**
- **Social/environmental sustainability: manure separator and slurry storage (Alligator bag)**

Aspirations / Needs for the future

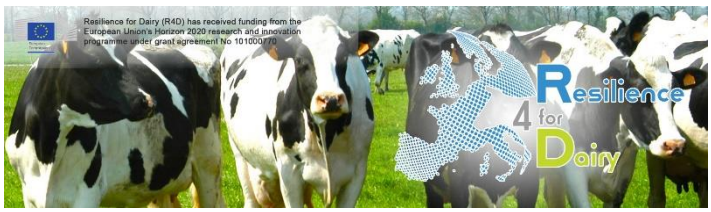
- **Improve dimensions**





Partners CRPA

"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/