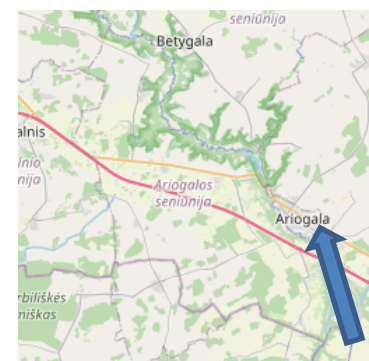




Resilience for Dairy (R4D) has received funding from the European Union's Horizon 2020 research and innovation program under grant agreement No 101000770

## Innovations

Socio-economic  
Resilience /  
Environment



### The herd

- 20 Livestock Units (LU)
- 10 Holstein
- 5 mix breeds
- 5 dairy heifers
- Calving period : all year round
- Age at first calving : 26 months

### Agricultural Area

- 15 ha AA**
- 5ha perm. grassland
  - 2 ha / **barley** / **wheat**
  - 8 ha main fodder area

### Workforces

- 1 labour units (Full Time Equivalent)
- 15 dairy cows
- **Aims** : generate bigger income, automatization

### Areas of interest

- Milk quality
- Genetics

### Main buildings and equipments

- Cubicle barn for cows
- DeLaval cooling fans
- DeLaval mobile robot milking unit
- Heifers : Free stall housing

### Production / Technical results

- 63 800 l. sold milk
- 4.15 % fat & 3.40 % protein content
- 6 000l of milk /cow /year



## Strengths

- Good skills to project themselves, rigorous, follow their objectives
- Labour planning
- Good technical key-results



## Weaknesses

- Sensitive area with duty to maintain permanent grassland
- Feed system reliant on meal.



## Opportunities

- Proximity of dairy plants
- local dynamism allowing common work & collective investment



## Threats

- Pressure on land – price, resident.
- Dairy landscape is moving fast, with number of dairy cattle decreasing

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

Reduce the use of mineral fertilisers. To reduce nitrogen emissions, manure is treated with probiotic products Strengthen grass part in in the cattle feed. Viktorija want to achieve high returns with relatively modest resources and simple operations.

## Aspirations / Needs for the future

Improving the dairy performance of livestock,  
and increase cow longevity with a focus on their genetics.

## Improvement project - objectives

- Reduce work load



**ECONOMY & LABOUR**

- Economical efficiency to improve income

- Mix productivity and efficiency



**RESSOURCE Efficiency**

**PROJECT**

- Keep a good mineral balance
- Improve forage self-sufficiency

**ENVIRONMENT ANIMAL Wellbeing**



Partners

**Baltic Agro**



"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/>