



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

# Kadow Mariusz Pilot Farm description Jeżewice – 2021 (R4D-PL-09)



### **Innovations**

Profitability & cow health and longevity







A multi-generation farm, the dairy herd has grown over the years from 3 cows to 200 head

## **Farming milestones**

**O** 

**2014** dairy barn modernisation, milking system fishbone 2x7

#### The herd

- · 300 cattle heads
- 93 dairy cows <u>Breeds</u>: HF
- 100 dairy heifers
- Calving period: seasonal resulting from the natural calving cycle (pasture)
- · Age at first calving: 24 months
- · Dairy grazing system

#### **Agricultural Area**

#### 230 ha

- 180 ha perm. grassland
- 10 ha temp. grassland
- 40 ha maize silage
- 100 % forage area
- 200 ha rented

#### Workforces

- 2 family labour unit (FTE)
- 1200 h/year temporary workforce

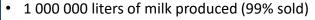
#### **Areas of interest**

- · Longevity and cow health
- · Economics of milk production

## Main buildings and equipments

- Freestall housing
- Fishbone milking system 2x7
- · TMR feeding system
- Calves in boxes

#### **Production / Technical results**



- 4,2 % fat & 3,4 % protein content
- 6 500 l of milk /cow /year

 Focus on cow longevity







- Passion of dairy production
- Location near the natural forests



#### **Weaknesses**

Poor soil



## **Opportunities**

Increase in importance of grassland-based dairy production



#### **Threats**

- High risk of firess
- Climate change prolonged droughts and falling yields

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

- Financial comfort ability to repay loans from current operations
- Savings opportunities to create a financial buffer for times of crisis

# Aspirations / Needs for the future

- Improving buildings
- · Maintenance of the land in good condition
- · Less environmental impact

# Improvement project - objectives

 Reduce of labour input



 High profitability of milk production

Investment in buildings



RESOURCE Efficiency



Dairy cow health & longevity

ENVIRONMENT ANIMAL Wellbeing



**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/