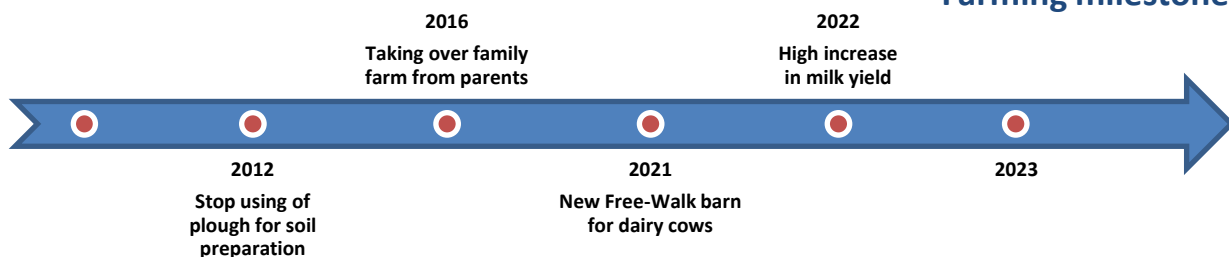


## Innovations

**Socio-economic  
Resilience /  
Environment /  
Animal welfare**



## Farming milestones



### The herd

- 72 Livestock Units (LU)
- 55 dairy cows
- Breeds: Holstein & Brown
- 21 dairy heifers
- Calving period: all year round
- Age at first calving: 26 months



### Agricultural Area

#### 40 ha AA

- 20 ha Perm. Grassland
- 6 ha Wheat
- 12 ha Maize silage
- 2 ha Temp. Grassland
- 5 ha Forest

### Workforces

- 2 labour units (Full Time Equivalent)
- 27 dairy cows & 313 885 kg /FTE
- **Aims:** Save time, be efficient,
- Aware of animal and environmental friendly housing system for dairy cows

### Areas of interest

- Feed management
- Genetics
- High production
- Sensors for early detection of changes

### Main buildings and equipment

- FreeWalk barn without cubicles with permeable floor for dairy cows
- Fullwood Milking Robot
- 1 Feed Automat for concentrate
- Individual boxes for young calves
- Collective boxes for calves and heifers



### Production / Technical results

- 627 770 kg of milk produced (98 % sold via cooperative)
- 3.90 % fat & 3.48 % protein content
- Stocking rate: 2.1 LU / ha forage area
- 11 694 kg of milk /cow /year & 18 464 kg /ha forage area
- 1800 kg concentrate/cow/year
- Replacement rate: 22 %
- Breeding criteria
- High-production

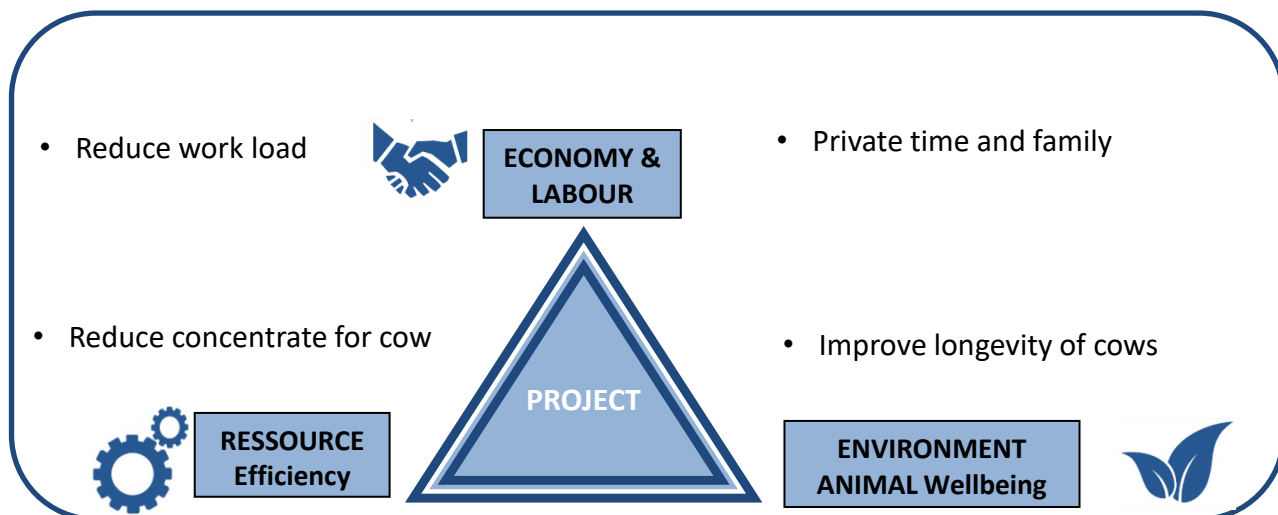


## Strategy of the farmers to be resilient

Healthy high production cows with low CO<sub>2</sub> footprint per litre of milk. Using sensors for early detection of diseases. Best welfare possible to achieve max. production with optimal health

## Area of interest / Aspirations / Needs for the future

Improving grassland management. Possibility of using alternative medicine for cows because of early detection of changes.  
Good balance between work and free time.



Partner



University of Ljubljana

“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/>