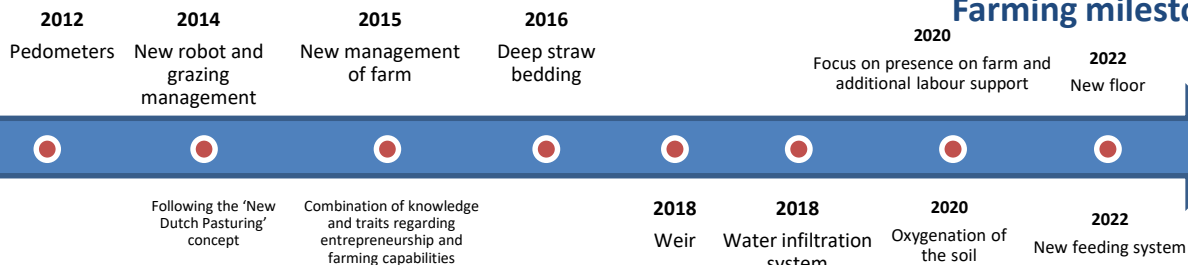


Innovations

Environment /
Resource efficiency



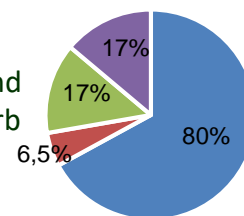
The herd

- 130 dairy cows (28 young stock, 32 calves)
- **Breeds** : HF + Brown Swiss/Swiss Red
- Calving period : all year round, some peaks at the end of the year
- Age at first calving : 24 months

Agricultural Area

Total 70 ha AA

- 58 ha grassland
- 4,5 ha herb rich grassland
- 2023: another 12 ha herb rich (clover, plantain)
- 12 ha corn production



Workforces

- 1,5 labour units (Full Time Equivalent)
- Flexible support
- 130 dairy cows & 800000 l / FTE

Areas of interest

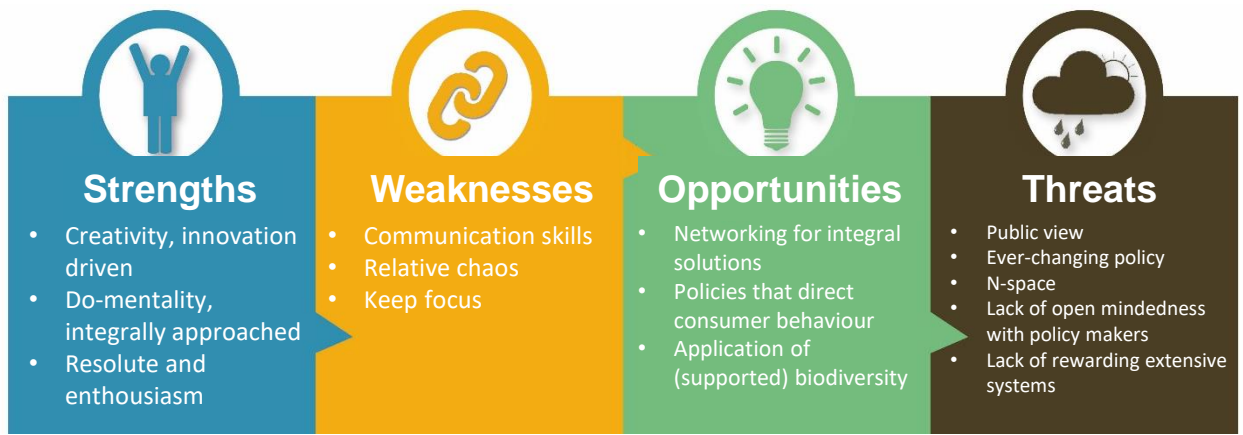
- Soil quality and management
- Strong cows, breeding for utility
- Barn design in favour of manure requirements

Main buildings and equipments

- 1 x free stall barn with automated feeding system
- 3 robots (3 box GEA)
- 2 concentrate feeders
- Water infiltration system

Production / Technical results

- 1200000 liters of milk produced, with 5,7 average present vs 6,8 (average total)
- 4.56 % fat & 3.60 % protein content, 24kg concentrate / 100kg milk
- Stocking rate: 1.86 LU / ha forage area,
- 9000 l of milk /cow /year & 15333 l /ha forage area



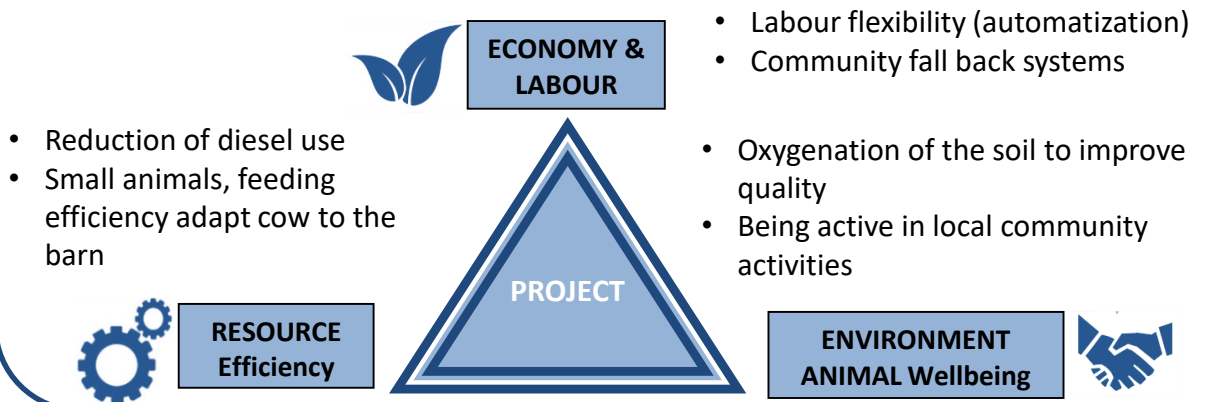
Farmer’s strategy for a “resilient” system

- 1) Work on soil quality, using smallest amount of energy as possible, get the most out of the soil. (O2, water, nutrition).
- 2) reduction of labour intensity
- 3) Circular approach, less external input and more output, lower footprint, better farming, reduction of losses. Primary separation of manure for targeted application.
- 4) Low budget

Aspirations / Needs for the future

Knowledge (from different disciplines). SBV (subsidized research) request to new Dairy Welfare floor and capture the barn air. Connect captured air with water infiltration system. Manure robot with brushes to better clean floor grooves. Room for experimentation. Time to show and prove innovations, that include testing, monitoring and lenience towards failure.

Improvement project - objectives



Partners **WAGENINGEN**
UNIVERSITY & RESEARCH

“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/>