

## Innovations

**Environment /  
Resource efficiency**



Passive gas collection from liquid storage



Farming milestones

<b>2004</b> Start social care farm	<b>2014</b> Low emission floor installed	<b>2017</b> Social care branch privatized	<b>2019</b> Gas production and flaring	<b>2021</b> Purchase of P-space	<b>2022</b> Gas collection
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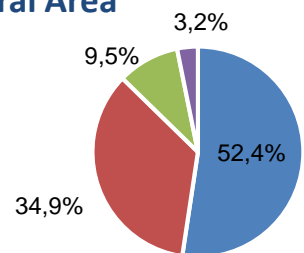
### The herd

- 64 dairy cows (44 young stock)
- Breed : HF
- Calving period : all year round
- Age at first calving : 25 months

### Agricultural Area

#### Total 63 total ha AA

- 33 ha grassland
- 22 natural grassland
- 6 maize
- 2 arable



### Workforces

- 1,5 for the cows labour units (Full Time Equivalent) + 1 FTE volunteers
- 2 FTE total for the human care
- 64 dairy cows & 176465 l / 1 FTE

### Areas of interest

- Energy transition and production
- Technical and creative development
- Inventions

### Main buildings and equipments

- 1 Boumatic double milking robot with 3D cameras
- Mobile biogas production and compactor installation
- Low emission floor to separate feces and urine. And mechanical separator to separate feces in liquid and solids.



### Production / Technical results

- 0.53 M liters of milk produced
- 4,47% Fat, 3,59% Protein
- Stocking rate: 1.3 LU / ha forage area
- 8270 l of milk /cow /year & 9625 l /ha forage area



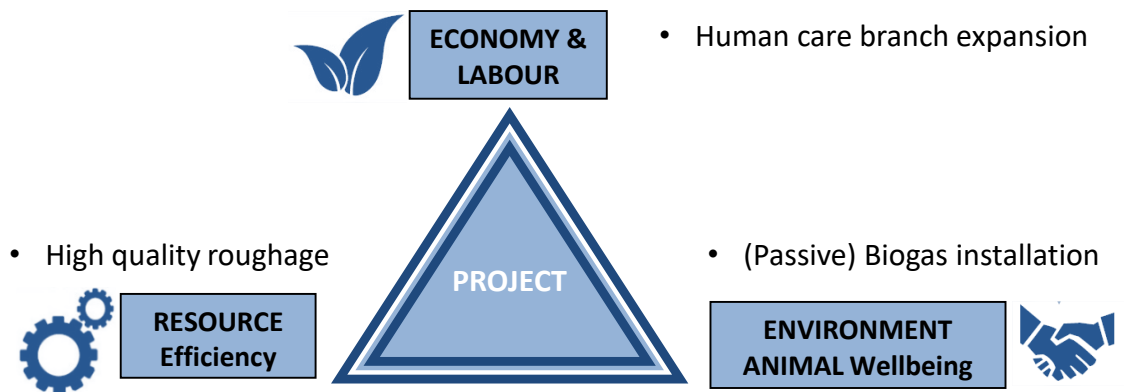
## Farmer's strategy for a "resilient" system

- 1) Focus on potential valorization of methane
- 2) expansion, professionalization of the human care branch
- 3) extensivation, more ha's

## Aspirations / Needs for the future

- 1) Availability of land plots
- 2) clarity and vision on regulation and future perspective

## Improvement project - objectives



“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/>