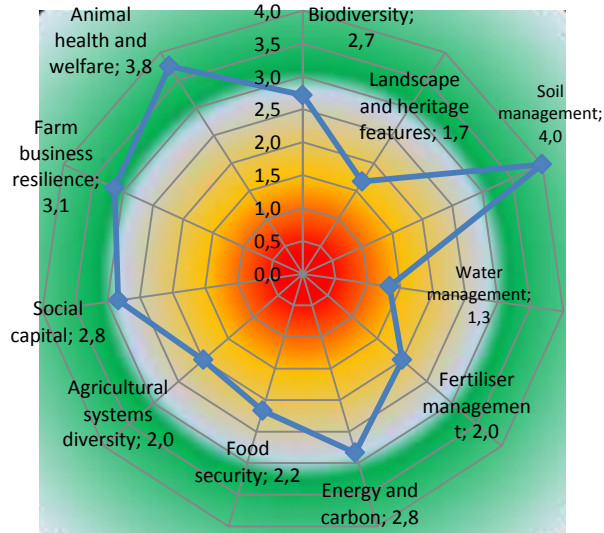


## SUSTAINABILITY ASSESSMENT FOR THE ROMANIAN CASE FARM NO. 1



### Biodiversity

Although it is a specialized farm (dairy cows + pasture + some cereals), it has some natural area (a brook with associated vegetation); the permanent pasture is used as low-input field, it is not improved and has no weed control plan.

### Landscape and heritage features

There are no historic and heritage features, while the farm matches rather well with the surrounding area.

### Soil management

No significant problems with soil quality (e.g. no erosion, etc.), therefore the required measures are minimal (sporadic amendments of the soil, etc.). Most crops are harvested in early autumn and much of the land is green over the winter.

### Water management

No water management plans (no recycling, no use of rain water).

### Fertiliser management

The rate of fertilizer application is rather low and relies on manure. The fertilizer management plans are basic (rare soil analysis),

manure storage and valorisation needs improvement, etc.

### Energy and carbon

The farm has moderate energy consumption (fuel, electric power); there was no conversion of pasture area into arable land. On the other hand, there's no production or use of renewable energy and there are no plans for greenhouse gases management.

### Food security

The farm is almost self-sustainable in terms of feed production. The milk production is sold to national level milk-processors and there's no local sales outlet.

### Agricultural systems diversity

It is a specialized farm (2 animal species and 4 crops) which has only one outlet to market the production. No on-farm processing of milk.

### Social capital

The labour is provided by the family and some casual workers. Public access is not encouraged, but the farmer is open to appointed visits. The farm has a fairly good working environment, in terms of human health and safety.

### Farm business resilience

The business is increasing (although at a low rate) and due to the low-inputs the farm is rather resilient. The farmer is open to novelties and information. However, the farm has an average level of flexibility (mostly because of the dependence on milk collectors) and has no formal management approach (e.g. reacts to situations as they arise).

### Animal health and welfare

Although there's no formal approach (except legal requirements), the animals have a good health and welfare state. The animals have good conditions to perform their natural behaviour, rather good housing conditions and excellent feeding and watering.