

Increasing the water level for reducing the emission of greenhouse gas



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1 Description of the innovation



Increase the water level in the ditches to reduce greenhouse gas emissions in peat soils and counteract the sumps.



The existing water management system is optimized so that the water level in the trenches remains stable. The bog body serves as a sponge that fills with water and thus emits only small amounts of greenhouse gases.



Reduction of greenhouse gas emissions

2 Farm description

ENVIRONMENT

Soil type 1: Peat

Soil type 2: Clay

Climate - Temperate oceanic climate

GRASSLAND MANAGEMENT

Grazing : Yes

Grazing management type— Rotational

STRUTURE

Agricultural Area : 250 ha UAA
(140 ha Peat Soil)

Average stocking rates:

- Agricultural area 1.59 LU/ha
- Grassland area 1.59 LU/ha

Animal Performance

Breed type : HF

Number of animals: 250 dairy cows

Other Features:

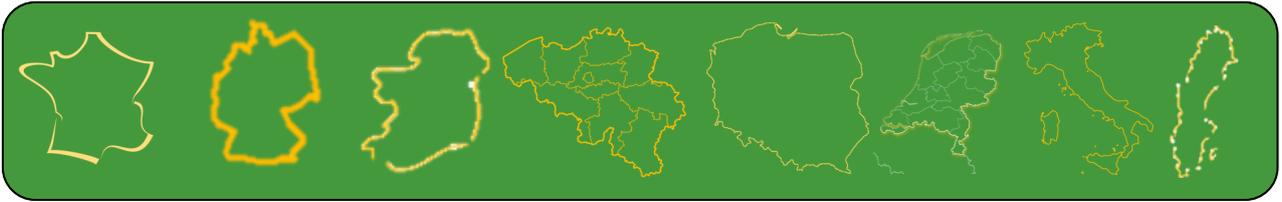
- Horse in Summer Time
- 40 ha extensive land

WHY IT IS WORKING

The water level in the peat soil body changes the amount of emissions of greenhouse gases.

INCREASING THE WATER LEVEL
FOR REDUCING THE EMISSION
OF GREENHOUSE GAS

Country shapes



Domains of innovation



Machinery, tools



Forage mixture



Forage conservation technique



Grazing management system



Legume management



Animal feeding management



Animal type (breed)



Product processing



Marketing



Farm system



Landscape

Main types of animal

