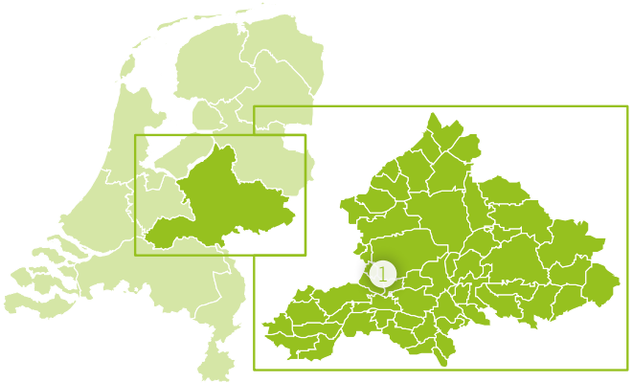
Challenge



1. Wageningen, Gelderland

DESCRIPTION

- Atlantic climate
- Alluvial soils, sandy with relatively low organic matter content
- Shallow groundwater tables

CHARACTERISTICS

Half of the agricultural land of the country is intensively managed grassland to sustain a very intensive livestock farming. Most of these grasslands are monocultures of ryegrass.

CHALLENGES

In the future, conventional phosphate rock-based fertilisers will not be available anymore. Strategies are needed to maintain both forage production and soil fertility.

The intensive agriculture on sandy soils make agricultural systems prone to losses of nitrogen through emissions of nitrous oxide.

SELECTED PRACTICES

- Increased diversity above- and belowground: working with grasses and clover, as well as earthworms from all ecological categories
- Novel fertilisers: struvite and products from biogas production

Participating partners

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Case study

Gelderland, the Netherlands



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