

Greenhouse gas emissions as a result of peat degradation

The purpose of the study



4%
of total emissions

Greenhouse gas emissions from peatland are estimated to be around 2-3% of total Dutch emissions.

1 mton CO₂
reduction of emissions by 2030

The Climate Agreement sets a reduction of 1.0 Mton of emissions for peatlands by 2030.

Multi-year research
into ratios, causes and solutions

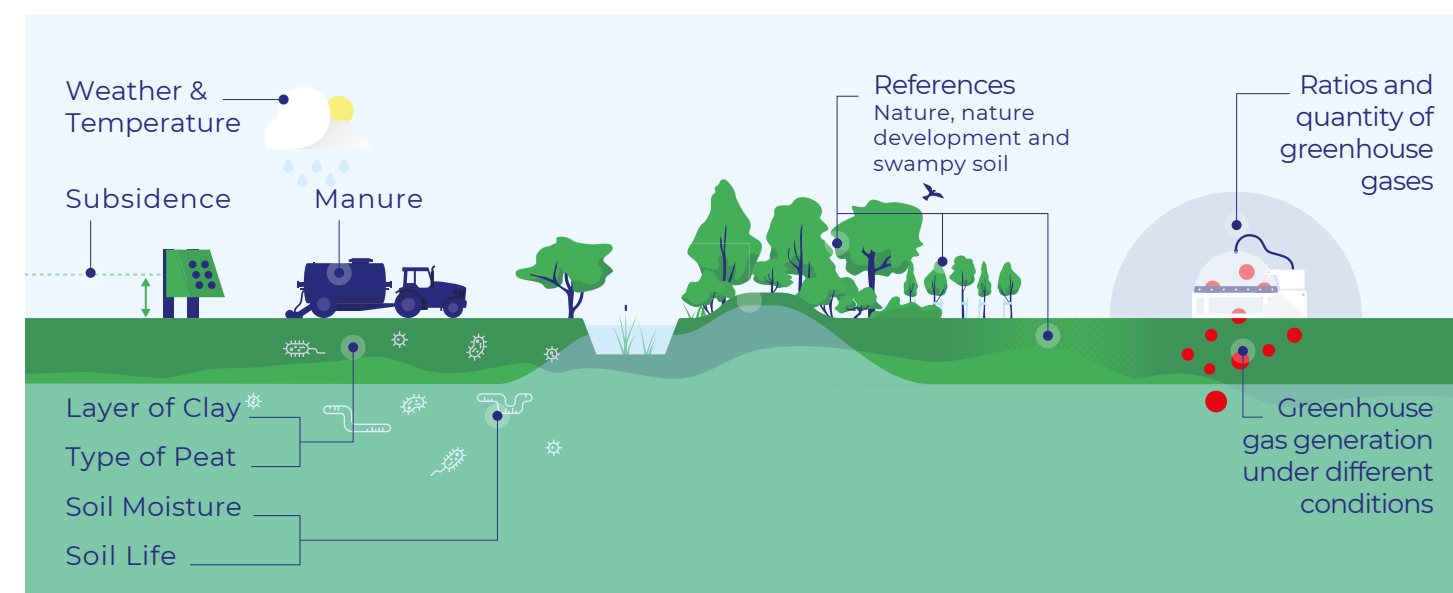
In order to take effective measures to reduce CO₂, we will measure current peatland emissions in various parts of the Netherlands over several years and will investigate possible solutions.



In the Netherlands Research Programme on Greenhouse Gas Dynamics in Peatlands and Organic Soils (NOBV), we examine:

The soil

Physical factors



stowa

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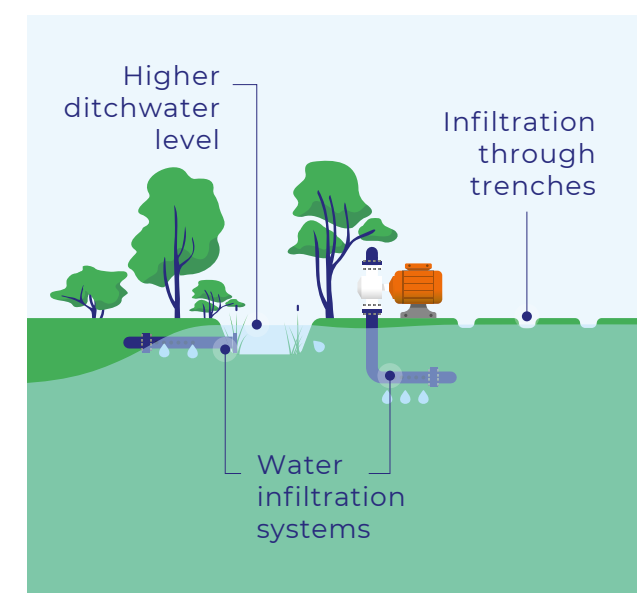
By using a range of methods of measurement (on the ground and from the air) we are able to correct for any deviations in a method of measurement.

and solutions

Biochemical processes

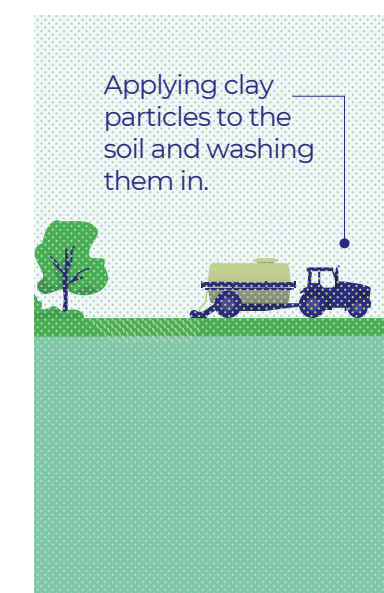
Raising the water table

Effectiveness of measures to raise the groundwater level.

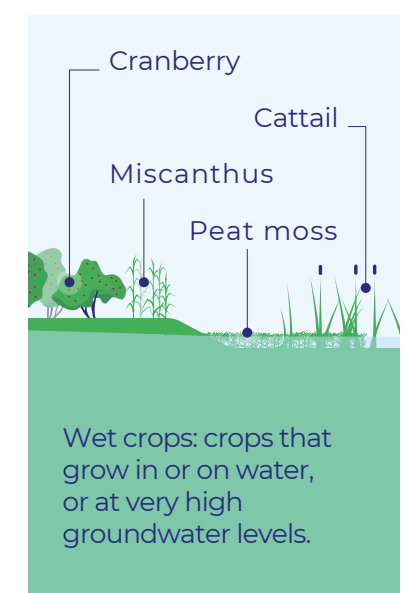


And combinations of these solutions.

Soil measures



Possibilities for high groundwater levels



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