

# NATURAL CLIMATE BUFFER



Netherlands



## Legal Status

Natura 2000

National nature network

## Habitats and Protected Species

Low land river in sandy area, with old meanders in various stages of landfall, river dunes, wet and dry grasslands (including river valley grasslands), bushes, thickets, slow peat, dry heather.

In the undisturbed winding values there is a wide variety of environmental conditions (altitude, humidity, nutrient richness, lime content, exposure and microclimate).

Otter (*Lutra lutra*), Maiden pink (*Dianthus deltoides*), Common thyme (*Thymus vulgaris*), Yellow bedstraw (*Galium verum*).

## Management

Landschap Overijssel

Natuurmonumenten

Staatsbosbeheer

Regional Water Authority

## Information

Further information:

<https://www.landschapoverijssel.nl/gebieden/gebiedenregge>

<https://www.natuurmonumenten.nl/natuurgebieden/>

[landgoed-eerde](#)

## Regge River

### Introduction

By excavating the old runs of the lowland river Regge, the natural dynamics of the water come back.

Adjacent plots are equipped for river-guiding nature and temporary water storage. The Regge now ensures water safety, prevents flooding and also forms a freshwater buffer in dry periods.

The river's water system is given more space by reconceiving and removing the quays, so that large parts of the original river valley can flood in wet periods, retaining the water for longer and prevent flooding downstream.

### Issues & key challenges

- Restoration of historical landscape and nature area.
- Many stakeholders and many landowners with different interests.
- Many subprojects with one shared vision.



### Outcomes & benefits

- Prevention of water damage areas down streams
- Water retention; fewer problems from drought (nature and agriculture)
- Improvement of fresh water quality
- Bolstering tourism and environmental values, expanding recreational opportunities
- Habitat for plants and animals and restoring biodiversity
- Improving the quality of the landscape

### Lessons learnt & future

A shared vision and from there 'learning by doing'. As beads attached to a cord, sub-projects have been prepared and executed in consultation with all parties involved.



NATURAL SPONGE



ROOM FOR NATURE AND WATER MANAGEMENT

natuurlijke klimaatbuffers



Eurosite Factsheet

Wetlands and Climate Change

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