PEATLANDS FOR CLIMATE AND BIODIVERSITY
INTERREG NWE CARE-PEAT

Netherlands

Peat Pits in De Wieden

Introduction

The Peat Pits in De Wieden are located in National Park Weeribben Wieden in the province of Overijssel, in the Netherlands (GPS position of the site centre is 52.714° N, 6.028° E). The land is full of lakes, waterways, reedlands, marsh forests and Quaking bogs. As a landlord, Natuurmonumenten helps one of their farming tenants to apply for carbon credits. Great efforts go to nature restoration and GHG storage of the area.

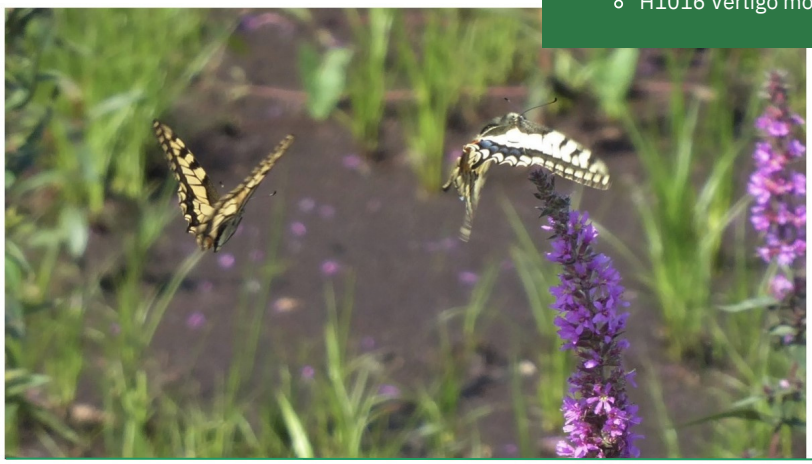
The pilot action is two-way; on one hand, a 9.7ha forested fen area, which consist of terrestrialised peat pits, formed after historic peat excavation. These fens were excavated again, removing up to 80cm of peat) in order to re-start the process of terrestrialisation. The work started in October, 2020 and finished in April, 2021. On the other hand, pilot action includes a future foreshore area, where the excavated peaty material is stored underwater in a lake with around 1.5m depth. The work started in April 2020 and finished in August 2020.

Lessons learnt and the future

- We need to do more research before we can decide what the best way of peat restoration is in this specific area.
- Next steps; more research on GHG storage, two new nature conservation project including GHG measurements started in 2022.

Outcomes & benefits

- Natural value, Water quality improved, acidification decreased
- Role in CC mitigation/adaptation ("Carbon sequestration potential"),Creation of peat pits to re-start terrestrialisation and storage (conservation) of peat in foreshore
- Amount of carbon that has been reduced thanks to the Care-Peat project, not yet known
- Species that have benefited from the restoration of the site
  - H1060 Lycaena dispar ssp. batava
  - H1042 Leucorrhinia pectoralis
  - H1016 Vertigo moulinsiana



Legal Status

- De Wieden is Natura 2000 area (sitecode HR NL2003064, sitecode VR NL3009004)
- De Wieden is part of a national park Weeribben-Wieden in the Netherlands
- Nature reserve area with peat pits, fens, lakes, reed lands, marshes, shrubs, forests, quaking bogs, transitional fens, terrestrialising fens

Habitats and Species

- H7140 Transition mires and quaking bogs
- H3150 Natural eutrophic lakes with *Magnopotamion* or *Hydrocharition* - type vegetation
- H6410 *Molinia* meadows

Management

- Natuurmonumenten

Additional Information sources

https://www.natuurmonumenten.nl/natuurgebieden/de-wieden/projecten/care-peat-project-de-wieden

Eurosite Factsheet
www.eurosite.org
info@eurosite.org

Natuurmonumenten

Interreg North-West Europe Care-Peat

Care-Peat project
https://nweurope.eu/care-peat