



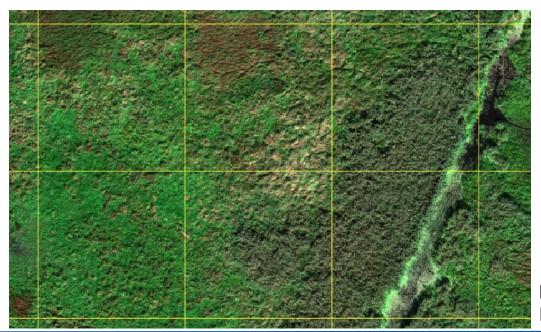


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Motivation

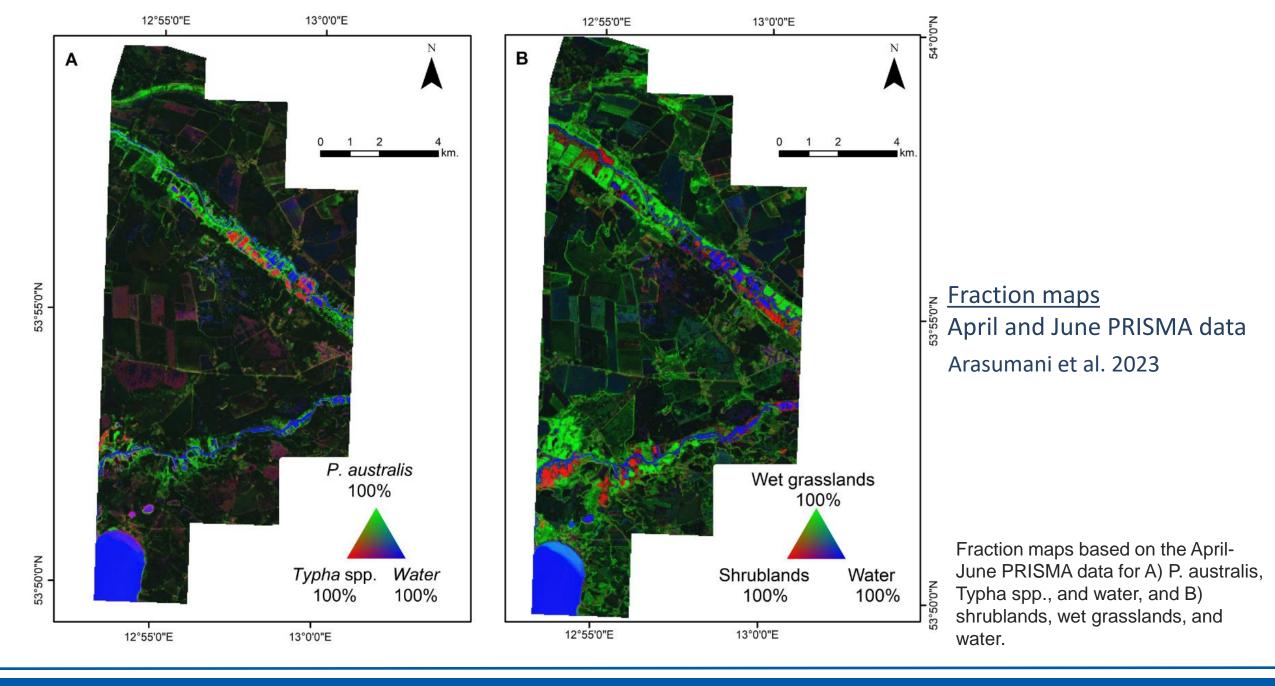
<u>Aim:</u> Asses rewetting success depending on vegetation cover <u>Focus:</u>

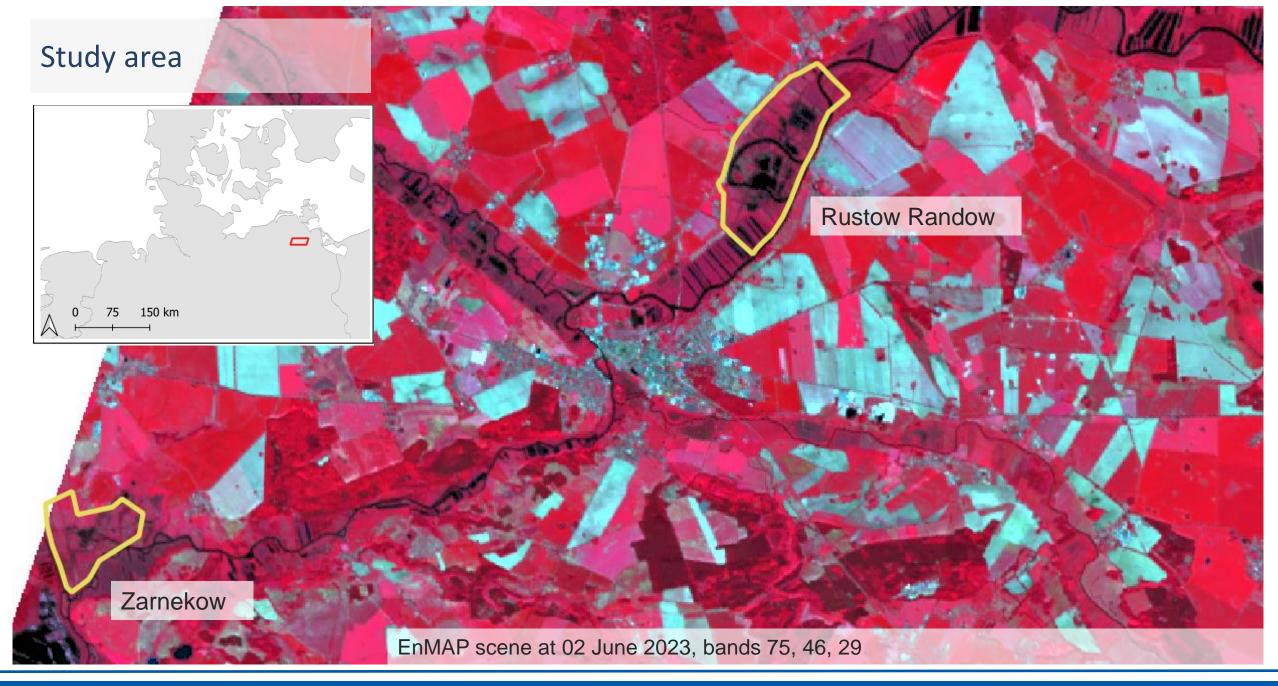
- Understand spatio-temporal gradients of reflection from peatland vegetation or grassland
- Investigate the influence of scale



Reed (*Phragmites australis*) at 12 May 2023 (top) and 19 June 2023 (bottom) frontal (left) and nadir perspective (right)

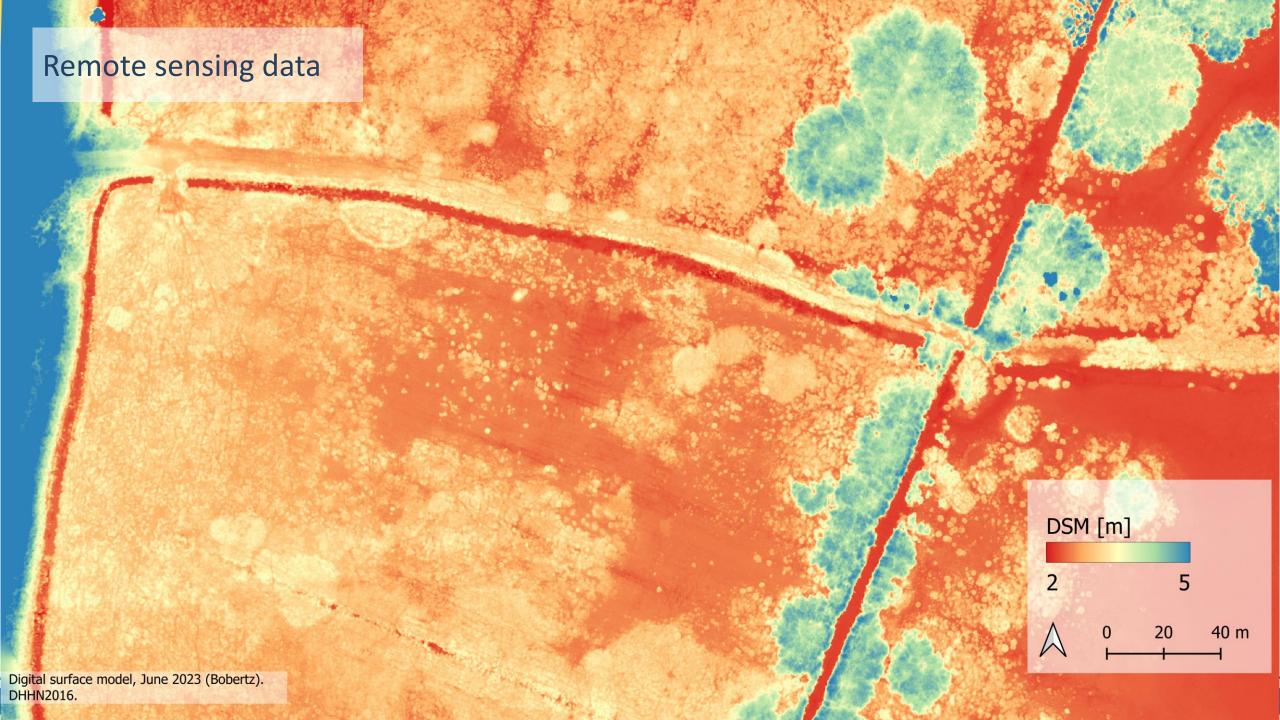
MS drone data (RGB) with the EnMAP-30x30m raster grid





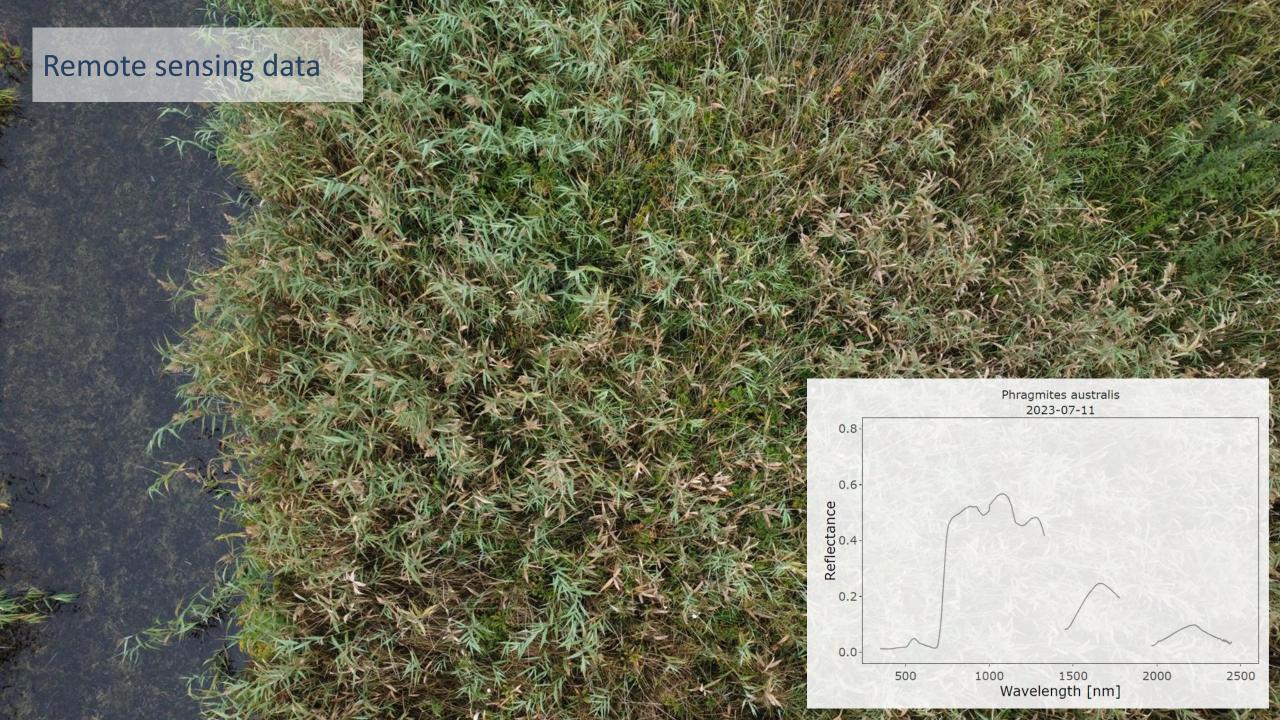












Vegetation data



2 field campaignstwo weeks in June and September

Plots:

66 plots, à 4m x 4m 60m grid Fraction covers of water, soil, NPV, green vegetation All species with respective cover







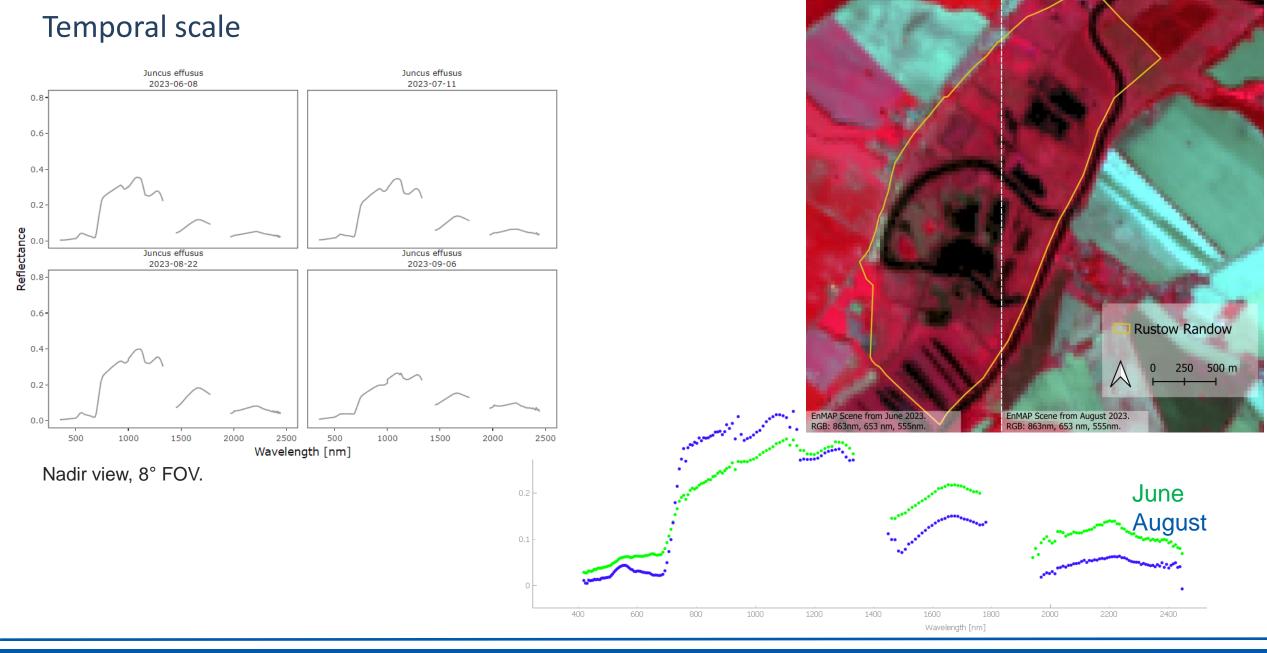




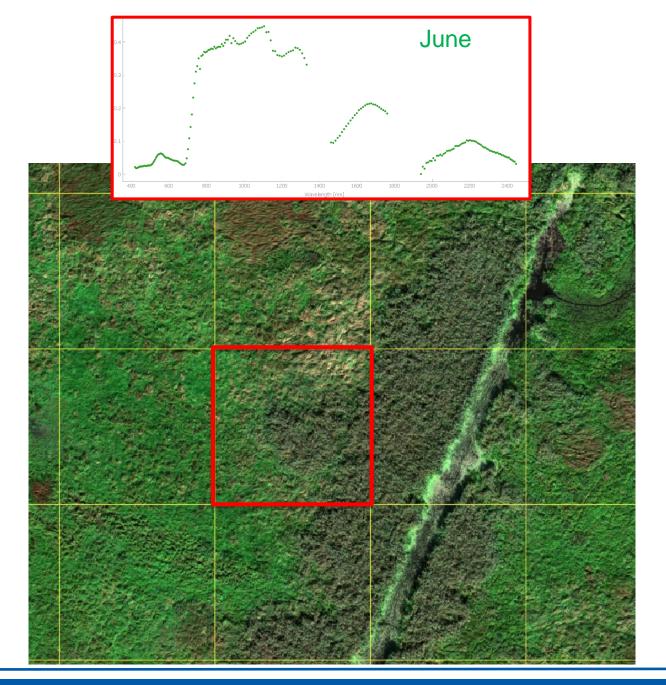
Iris pseudacorus - May

1st EnMAP User Workshop

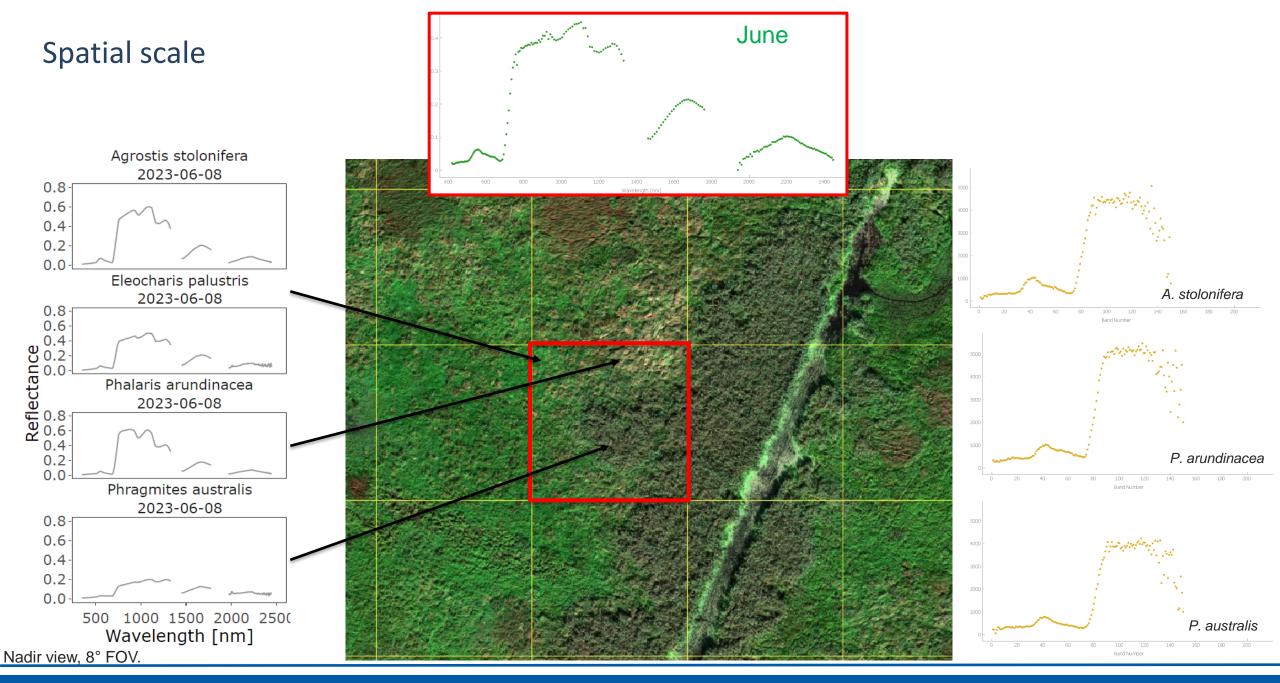
2023-10-11



Spatial scale



Nadir view, 8° FOV.



Outlook

- Data collection: (multitemporal) spectral database, multi- and hyperspectral data
- Multitemporal vegetation analysis
- Quantitative mapping of peatland vegetation on rewetted peatlands
 - Spectral unmixing
 - Ordination analysis
- Synergies with S-1/S-2 time series analysis, CopGrün → Thünen Institute







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