



LIFE Nardus & Limosa
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Removal of soil phosphorus through P-mining

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Photo: Eva DeCock

AGENTSCHAP
NATUUR & BOS



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TURNHOUT

Objective: bio-remediation of P-contaminated soils



Grasslands after agricultural use

- Nutrient-rich soil (N, P, ...)
- Species-poor vegetation



Photo: Eva DeCock

Nardus grasslands

- Nutrient-poor soil
- Species-rich vegetation

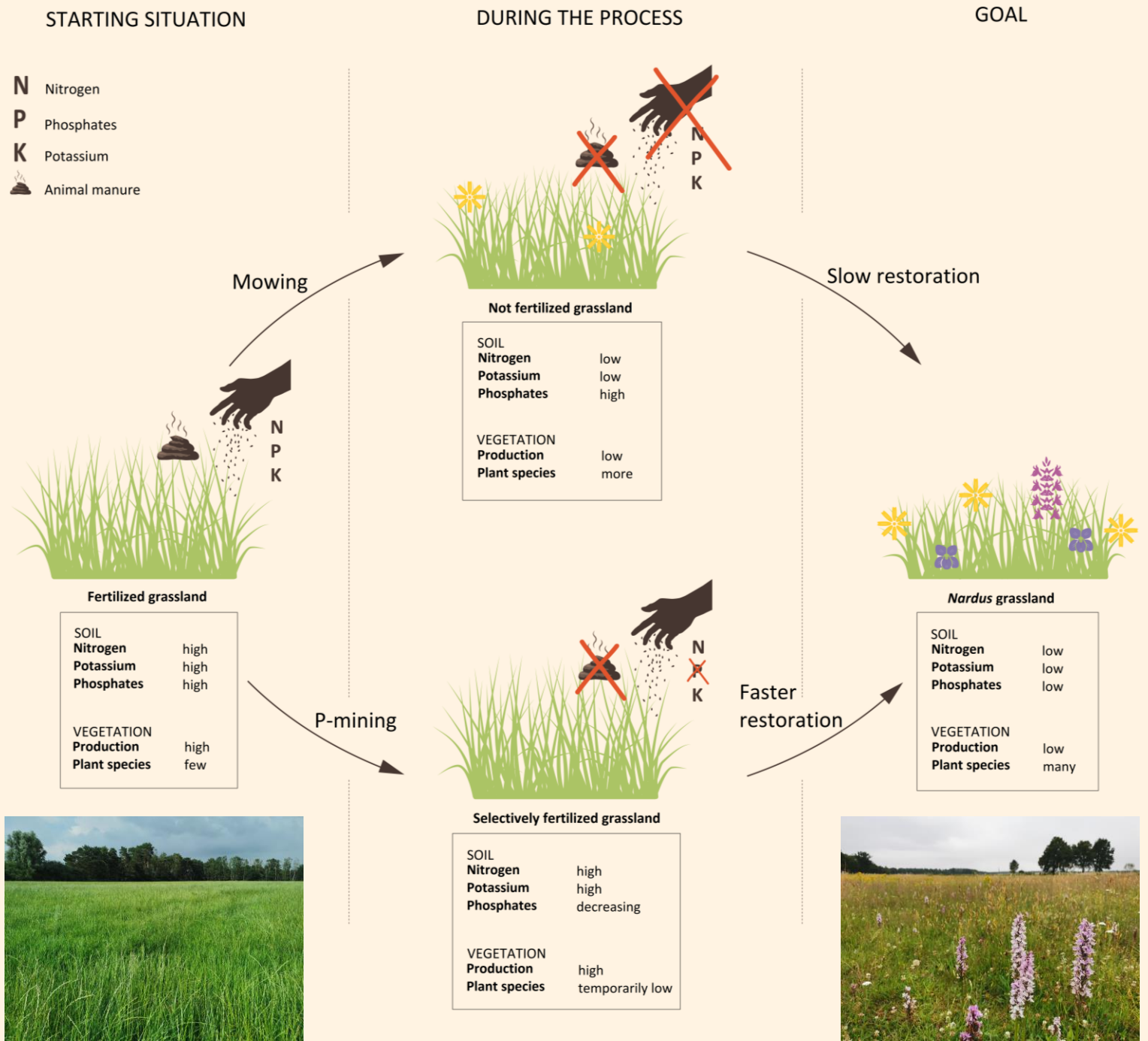


Photo: Eva DeCock

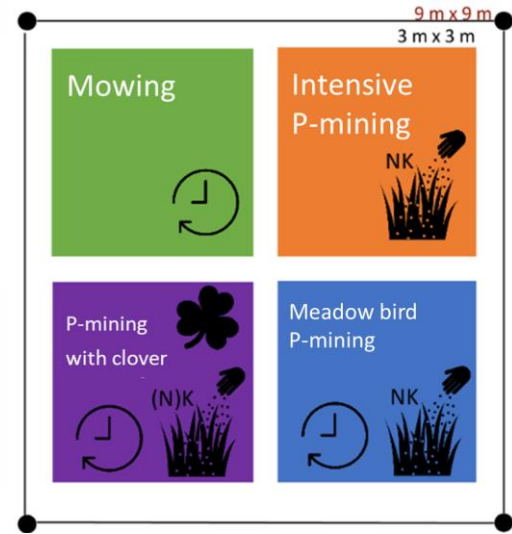


→ Soil nutrients as contaminants in grassland management

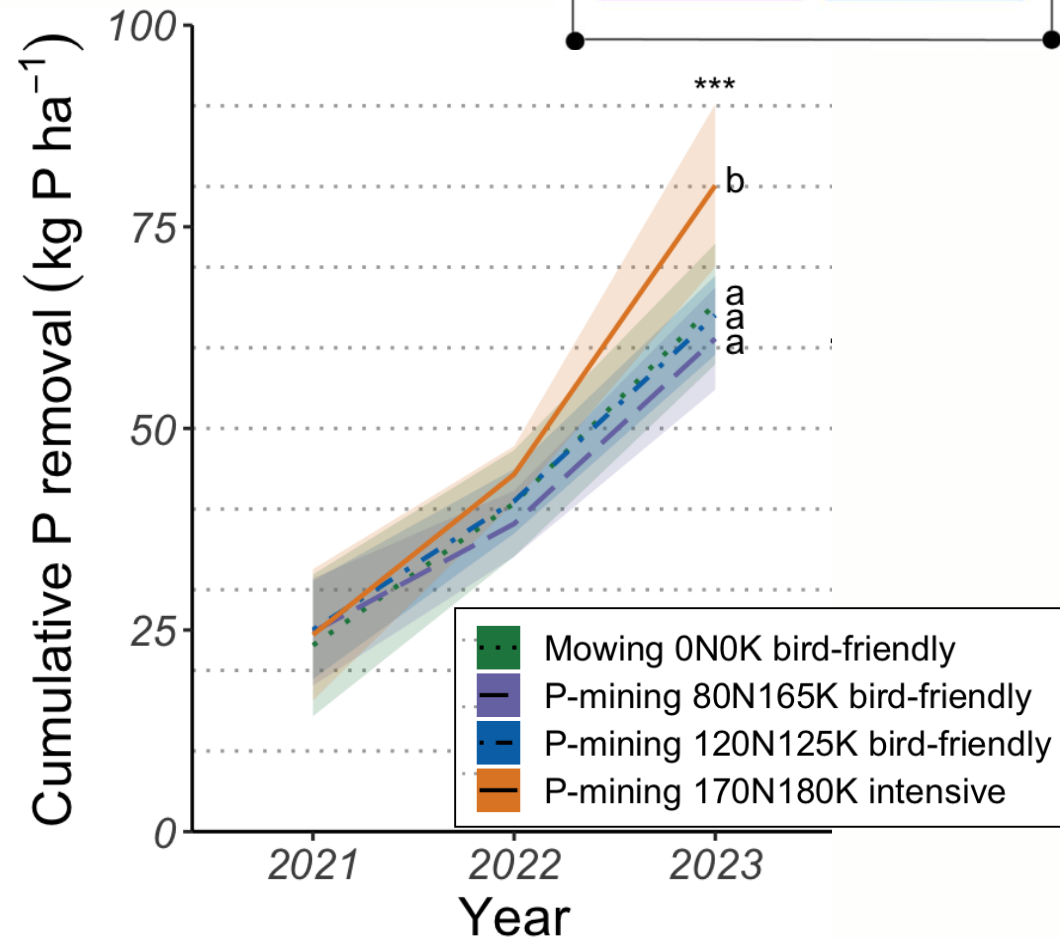
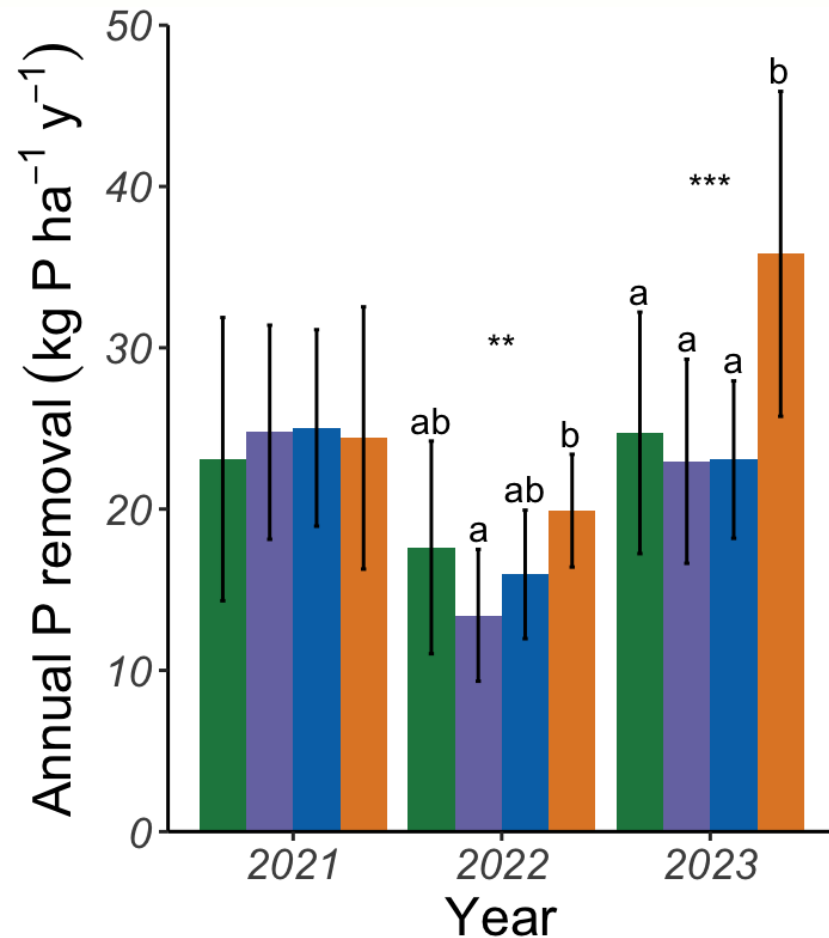
Methodology: P-mining



Results



- Field experiment
 - Comparison of 4 treatments



Discussion starters



- Correlations between soil and water
 - Hydrology should be considered on a larger scale
 - Inflow of contaminated water (sources of contamination outside natural area)
 - Dessication
 - Urgency of large scale measures insufficiently recognised on policy level? (elimination of sources of contamination, rewetting, ...)
- How to improve knowledge about the remediation technique
 - land managers (lack of knowhow)
 - agricultural sector and broader public (incomprehension or unwillingness to understand?)
 - policy makers (legal barriers)
 - ...