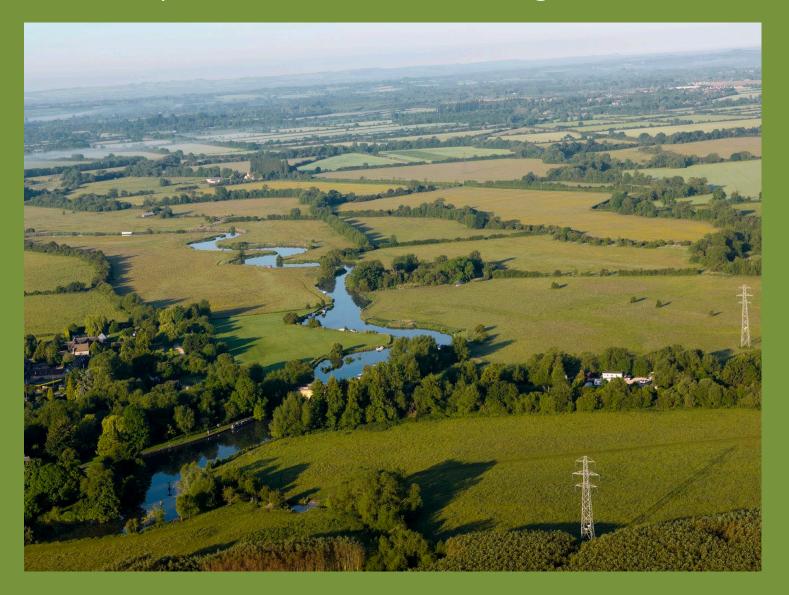


MG4 Plant Community – only 1000ha remains in the UK



#### Thames upstream of Swinford Toll Bridge



#### Long Mead, November 2023





#### A Hedge in Time

#### Eynsham to South Leigh along the Limb Brook

Long Mead's Thames Valley Wildflower Meadow Restoration Project Nature Recovery Network

Long Mead Local Wildlife Site

Eynsham's NRN community hedge planting in Eynsham Primary School and Bartholomew Secondary School

planting in Eynsham
Primary School and
outholomous Secondary

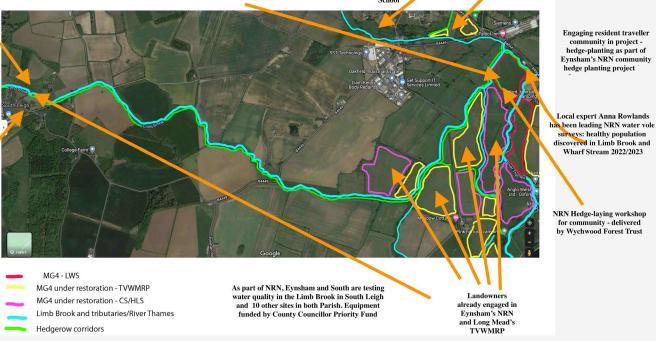
Fields Carnival Meadow (restoration funded by CPRE/Wild Oxfordshire) Creates an ecotone for new meadow

Eynsham's NRN community

hedge planting in Playing

Landscape-scale hedgerow co-ordination by Church Farm, South Leigh

> NRN community hedge planting in South Leigh



## Arable field near Eynsham, November 2023



#### Chill Brook, November 2023

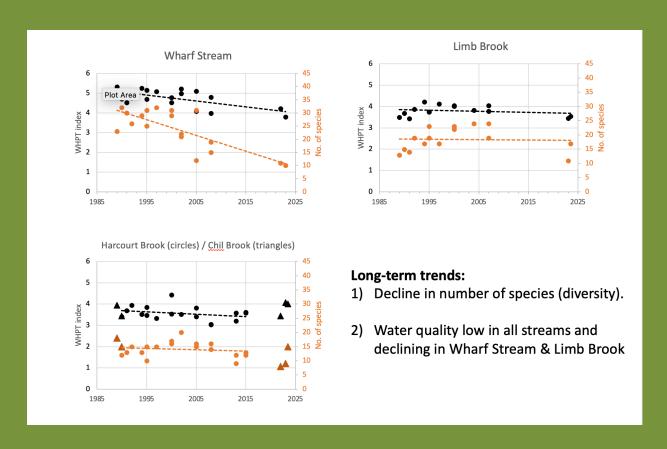


## Wharf stream – November 2023 confluence of Chil Brook and Limb Brook









Data from EA and NRN expressed as the Whalley Hawkes Paisley Trigg (WHPT) index

www.nature-recovery-network.org

## Summer crop – Long Mead



## Hay Baling Long Mead 2023



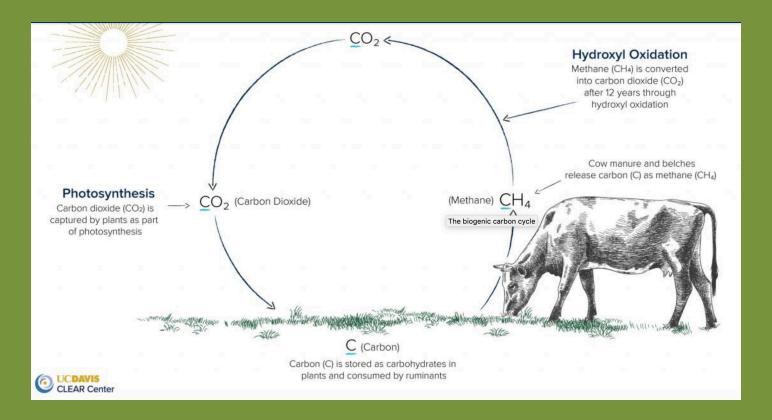
## The Botany Class



## Shepherdesses, Long Mead



#### Biogenic Carbon Cycle



#### Christ Church Meadow Restoration, 2020. An example of Resilience



#### Christ Church Meadow 2020



#### Christ Church Meadow, January 2021



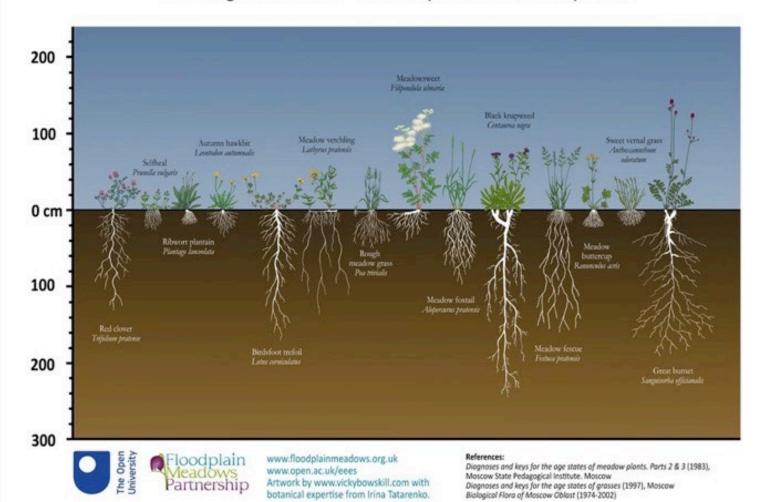
Christ Church Meadow

May 2021

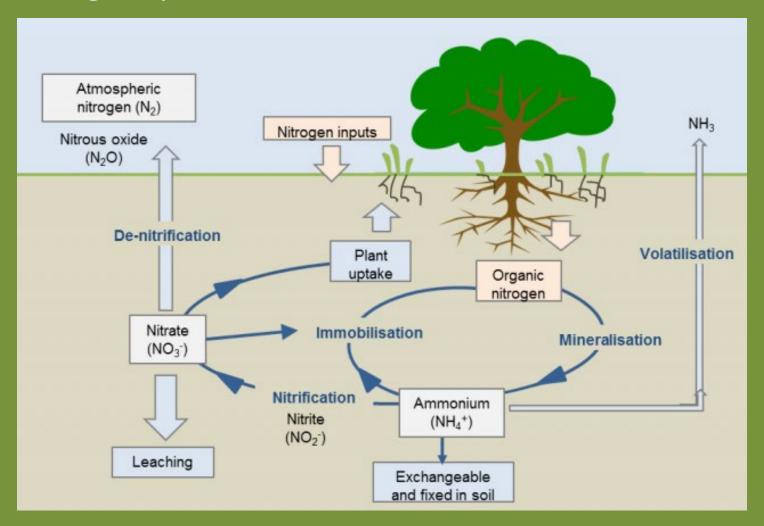


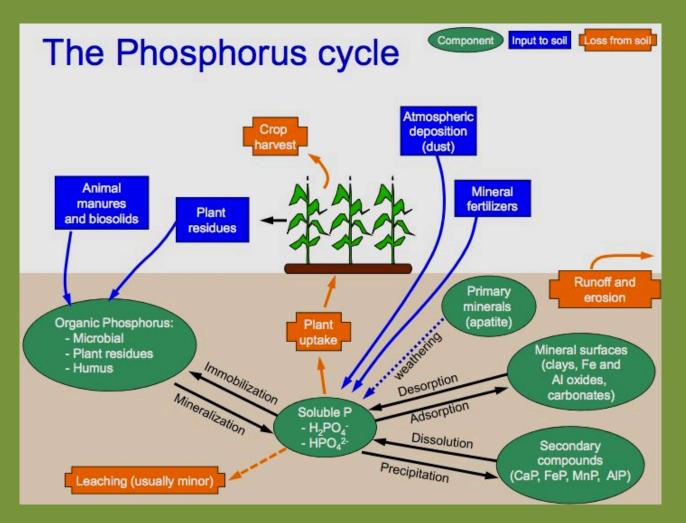
#### Mitigation of climate change

Rooting structures of floodplain meadow plants



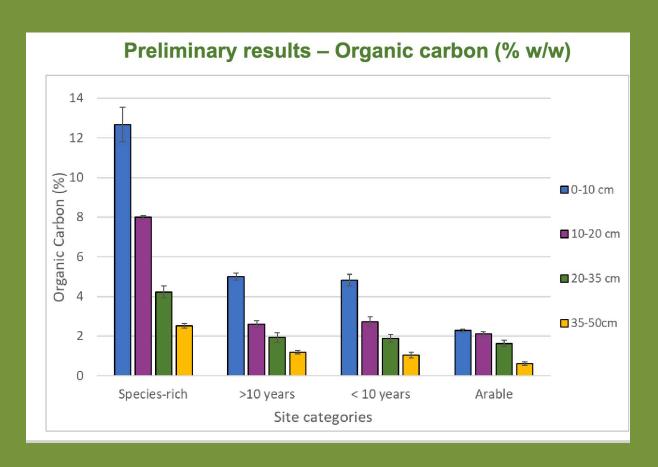
#### Nitrogen Cycle in Soil





# Prof. David Gowing and trainee sampling Long Mead soil for Carbon content





Clare Lawson Floodplain Meadows Partnership Open University

#### Biodiversity-ecosystem functioning research

Higher functional diversity

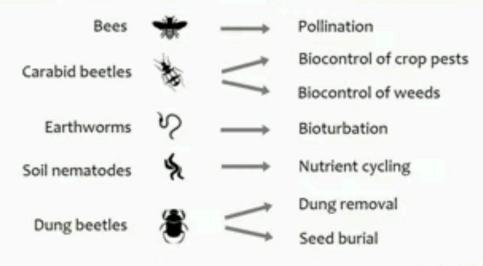


More efficient and resilient ecosystem functioning



More benefits to humans from nature

Functional diversity predicts ecosystem functioning better than species-based indices:



Gagic et al. (2015) Proc. Royal Soc. B

#### Thames Valley Wildflower Meadow Restoration Project

Towards a nature recovery network for Oxfordshire

