

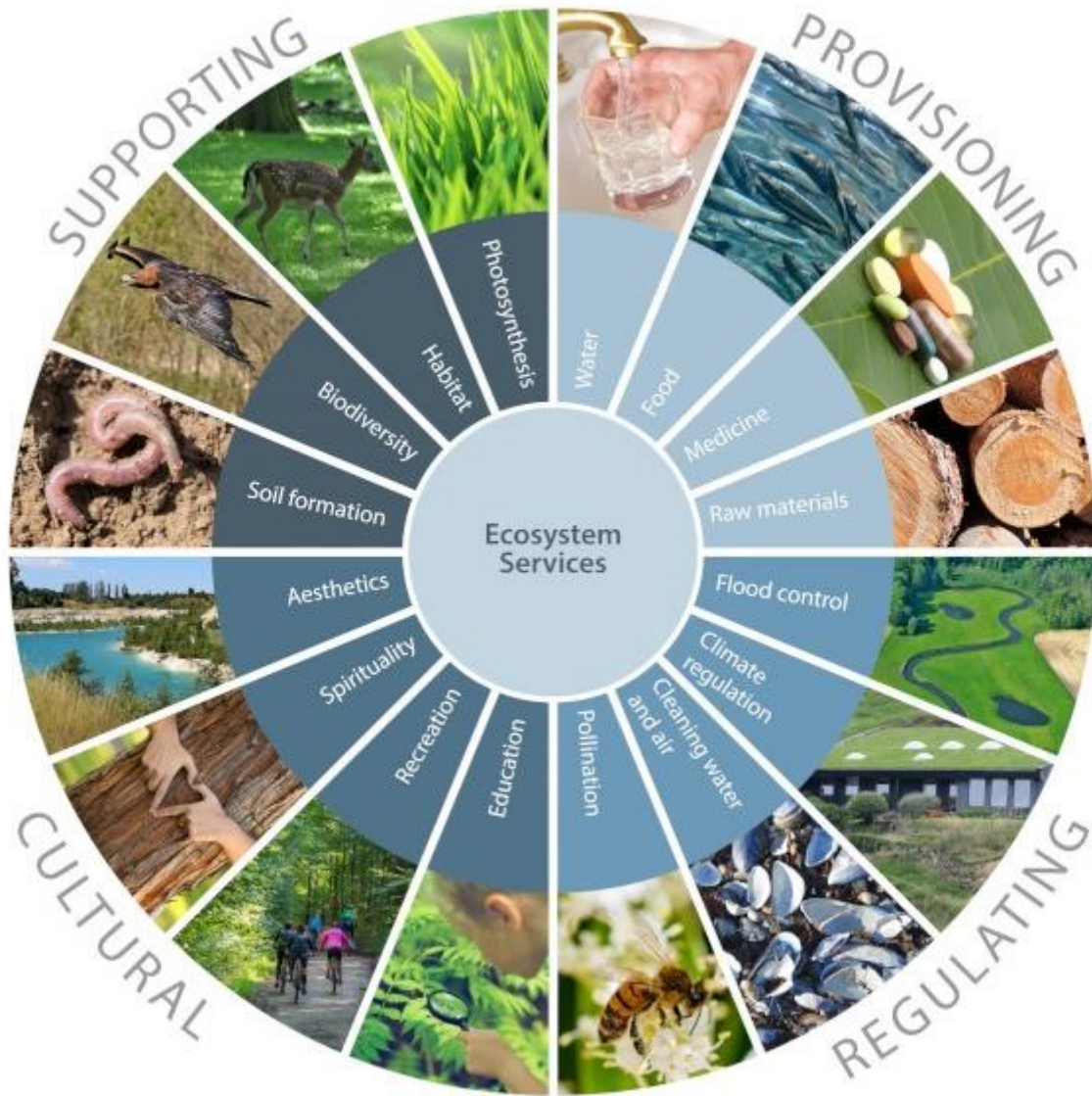
# BUT WHY?

The importance of biodiversity in  
agriculture



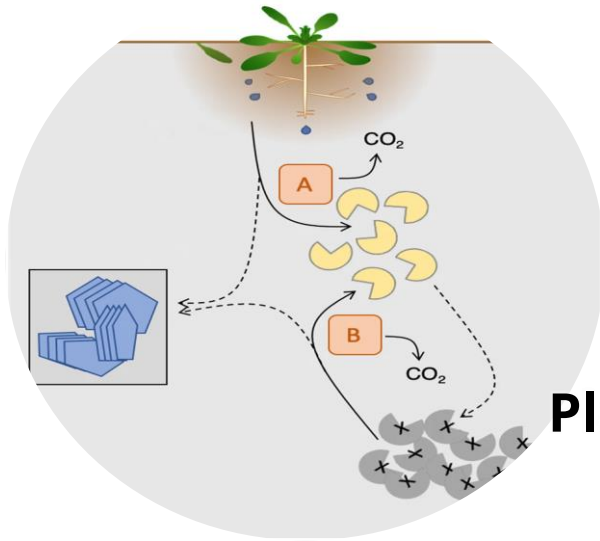
DANISH  
TECHNOLOGICAL  
INSTITUTE



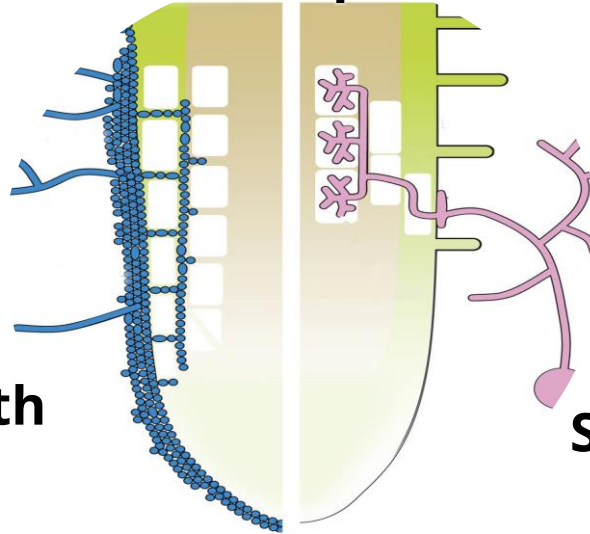


# SOIL ECOSYSTEM SERVICES

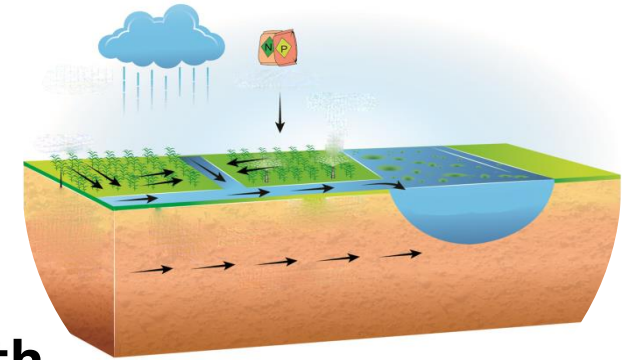
## Carbon Storage



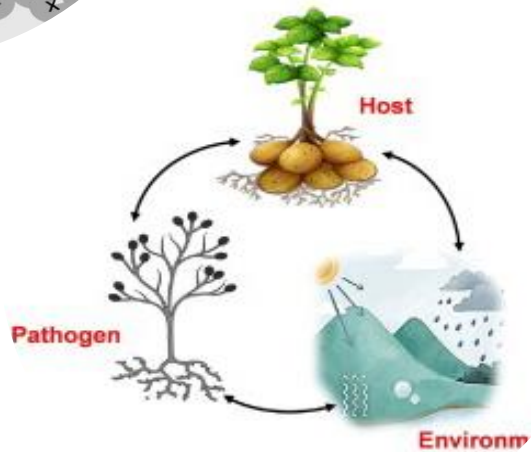
## Nutrient uptake



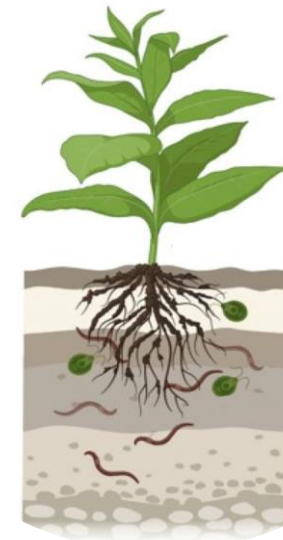
## Nutrient leaching



## Plant Health

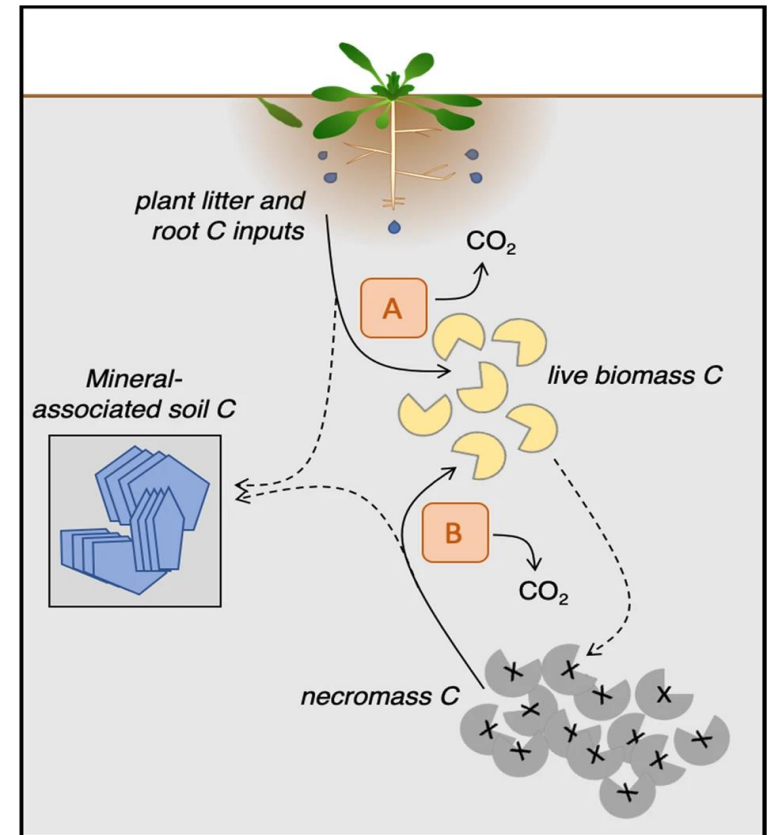


## Soil Health



# CARBON SEQUESTRATION

- Agricultural soil in Denmark holds on average 100 ton C pr hectare
- Danish agriculture covers 4.3 million hectares
- 1% increase in carbon in Danish soil would equal 1.5 million tons of CO<sub>2</sub> equivalents
- Or ~20% of the carbon 7.4 mio. ton CO<sub>2</sub>e that the government has committed to lowering the Danish agriculture's impact by, going towards 2030.

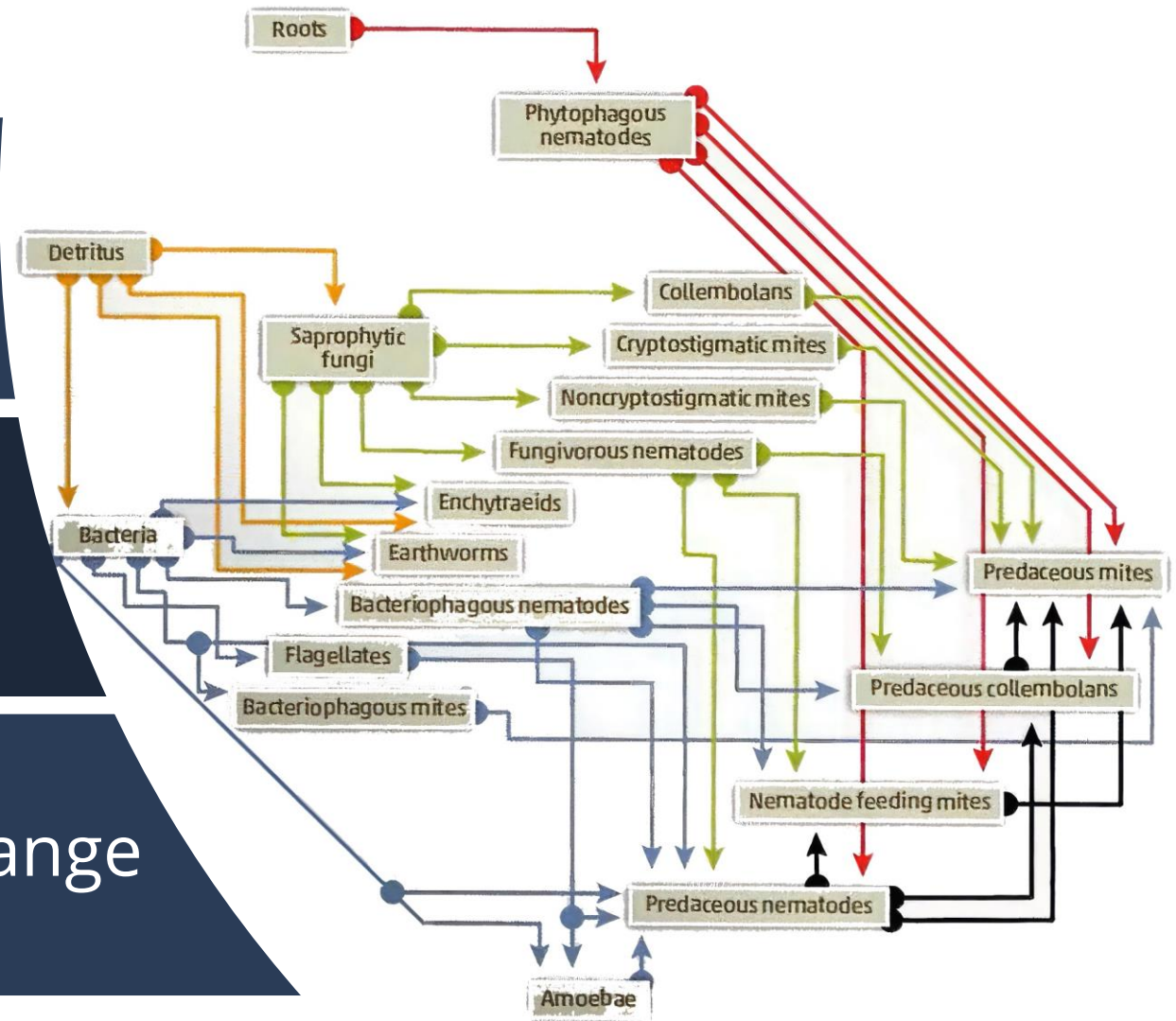


# THE SOIL ECOSYSTEM

Complicated

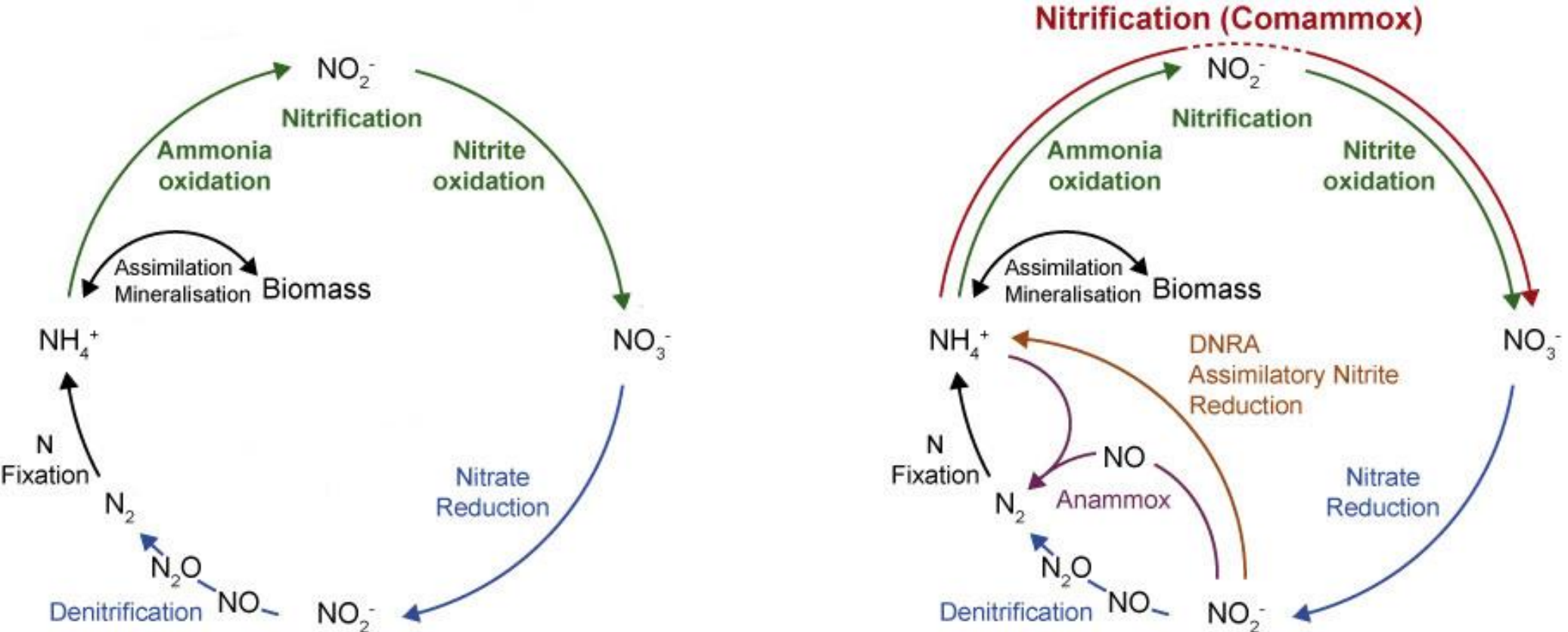
Perhaps poorly understood

Can be influenced by climate change





# ARE WE SURE WE UNDERSTAND ENOUGH?



# DIVERSE ECOSYSTEMS ARE MORE ROBUST





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