Soil carbon research at the Allerton Project

Dr Jenny Bussell

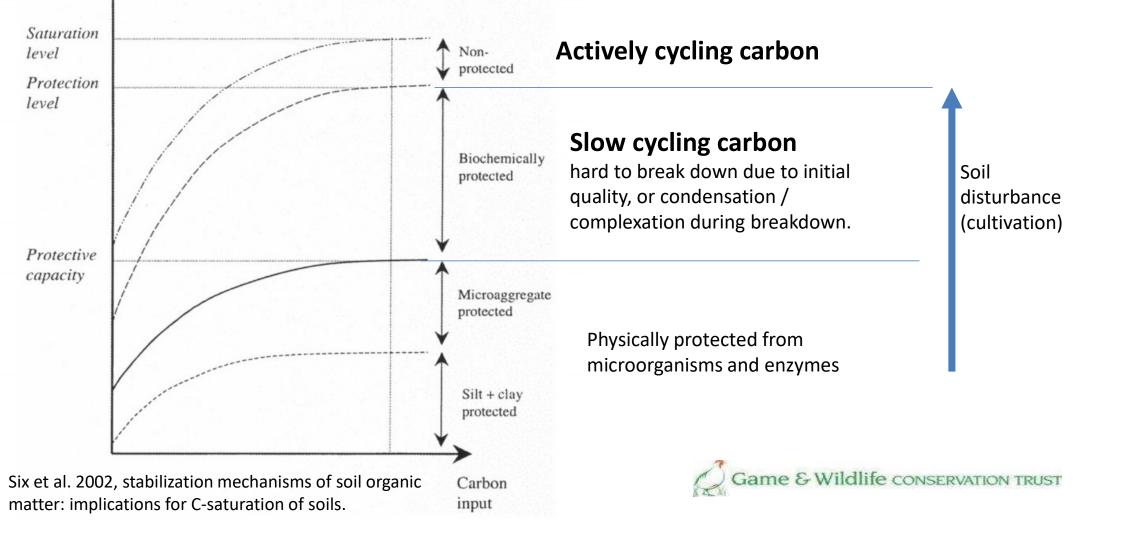
- Soil Scientist, Allerton Project

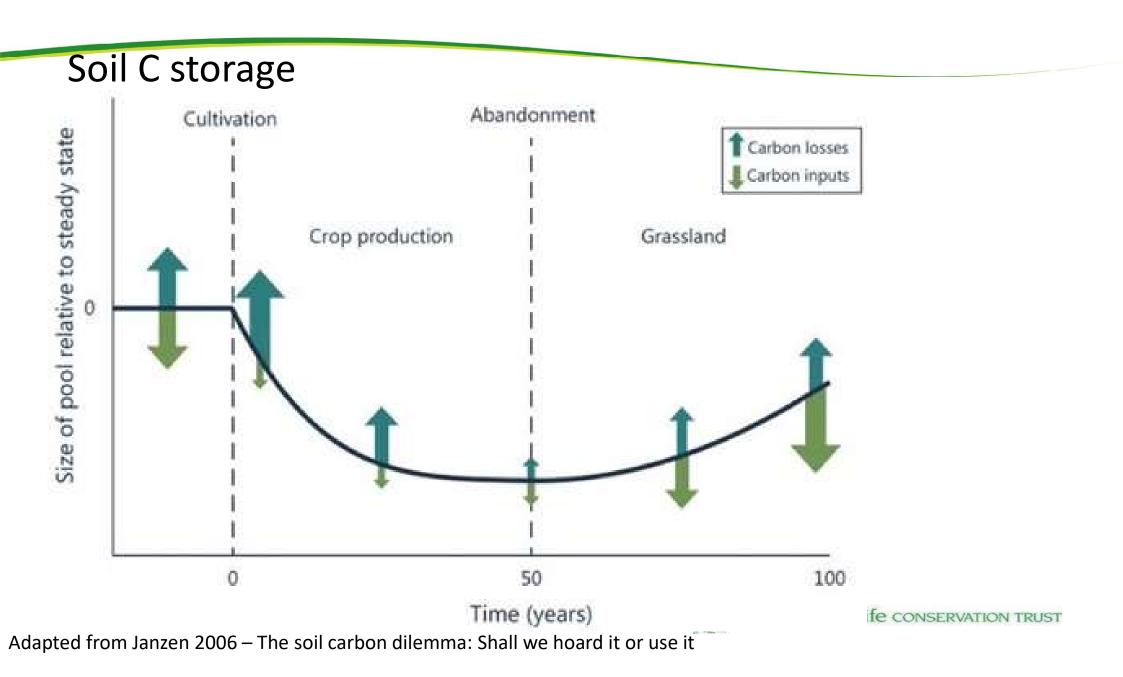




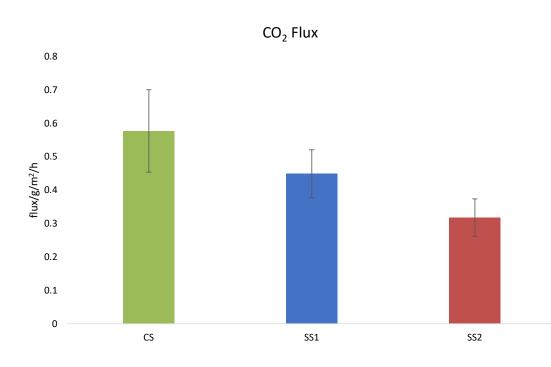
Carbon saturation in soils

Carbon content





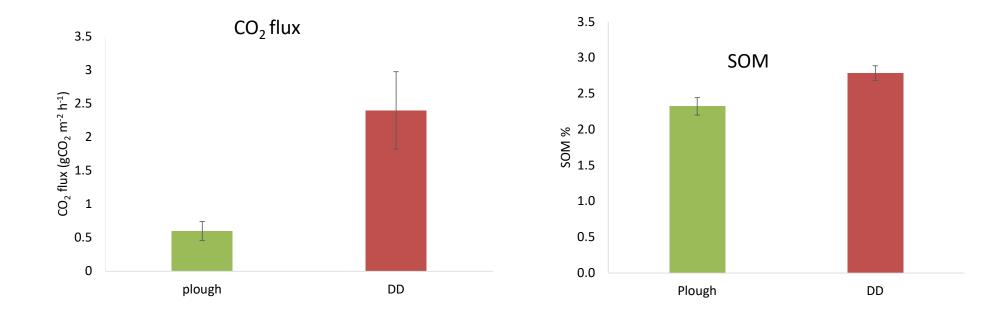
Short term direct drilled field - 5 years





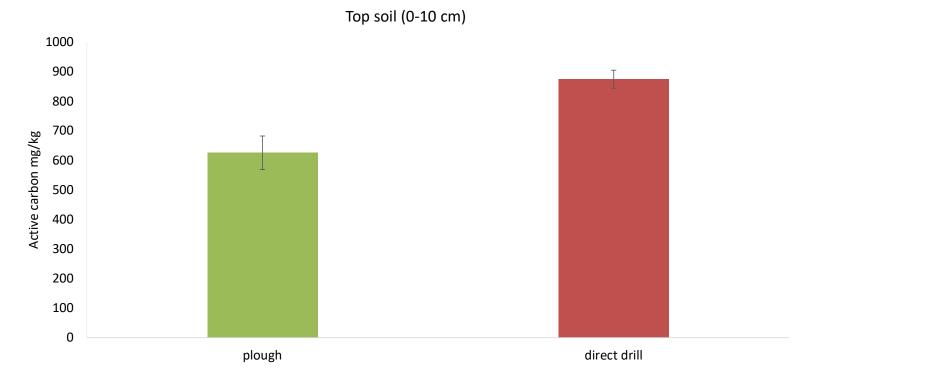


Long term direct drilled field <10 years



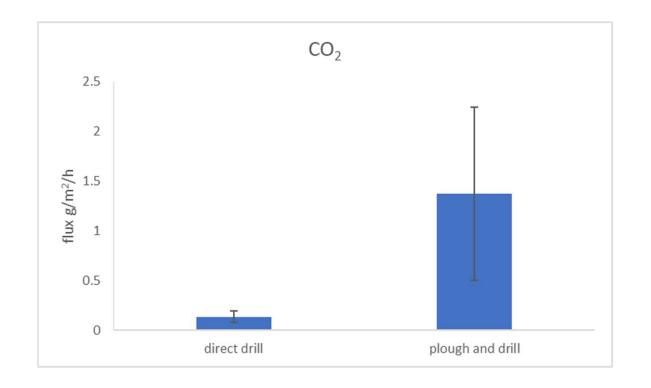


Long term direct drill - More active carbon





Where are the carbon losses?

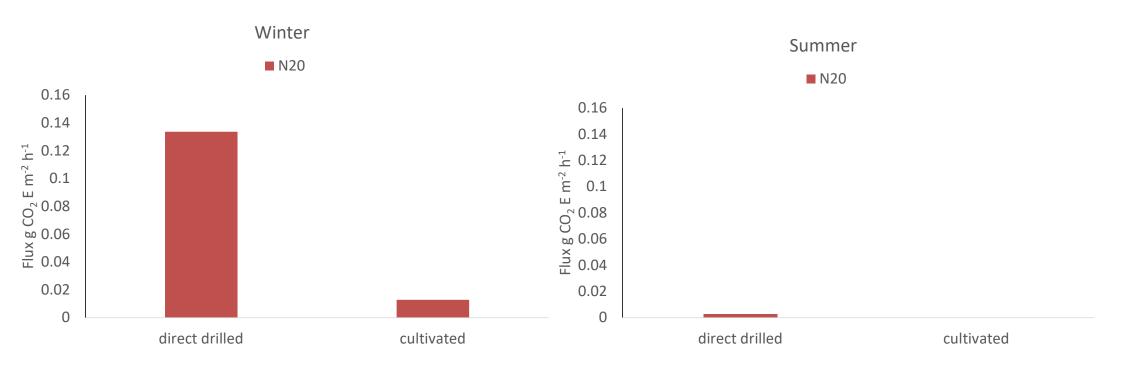








Compaction and N₂O





Summary

- Different soil types come with different challenges and benefits.
- Soil management can change SOC storage
- The key drivers for changes in soil function are the soil biology.
- N₂O is important to consider along with C₂O

