



- Peat soils are considered to emit 20 t C/ha/yr, while grassland on mineral soils are assumed to sequester 0.5 t C/ha/yr
- National values for the impact of management on carbon emissions and removals from peat and mineral soils are urgently needed
- NASCO is establishing 30 CO₂ flux monitoring towers across the country (see *map*) – these measure field scale CO₂ uptake and release 10 times per second all year round.
- Soil organic carbon is also measured every 5 years to 1 metre. Soil carbon is also being monitored on the 100+ Signpost Farms.
- The grassland at Johnstown Castle has been sequestering, on average, 3.8 t CO₂e/ha/yr over the past 18 years

