




agromitiga

Working Group A Soil management and sustainable agriculture

LIFE Platform Meeting on Soils
Pamplona 10th April 2024



Restoring our agricultural soils

60-70% of European's soils are degraded
with intensive agriculture being one of the main drivers

- **Soil erosion affects 25 % of agricultural land**
- **More than half of agricultural land in the EU has average erosion levels higher than what can be naturally replaced**, underlining the need for use of **sustainable management techniques for soils**.
- **Carbon stocks in top soils are declining**
- **32-36 % of European subsoils highly susceptible to compaction.**



SUSTAINABLE AGRICULTURE

Adapting the system to the soil



CONVENTIONAL AGRICULTURE

Modifying the soil to the system



Good Practices for Healthy soils

Cover crops



No-till/ Strip-till



Vegetative field margins



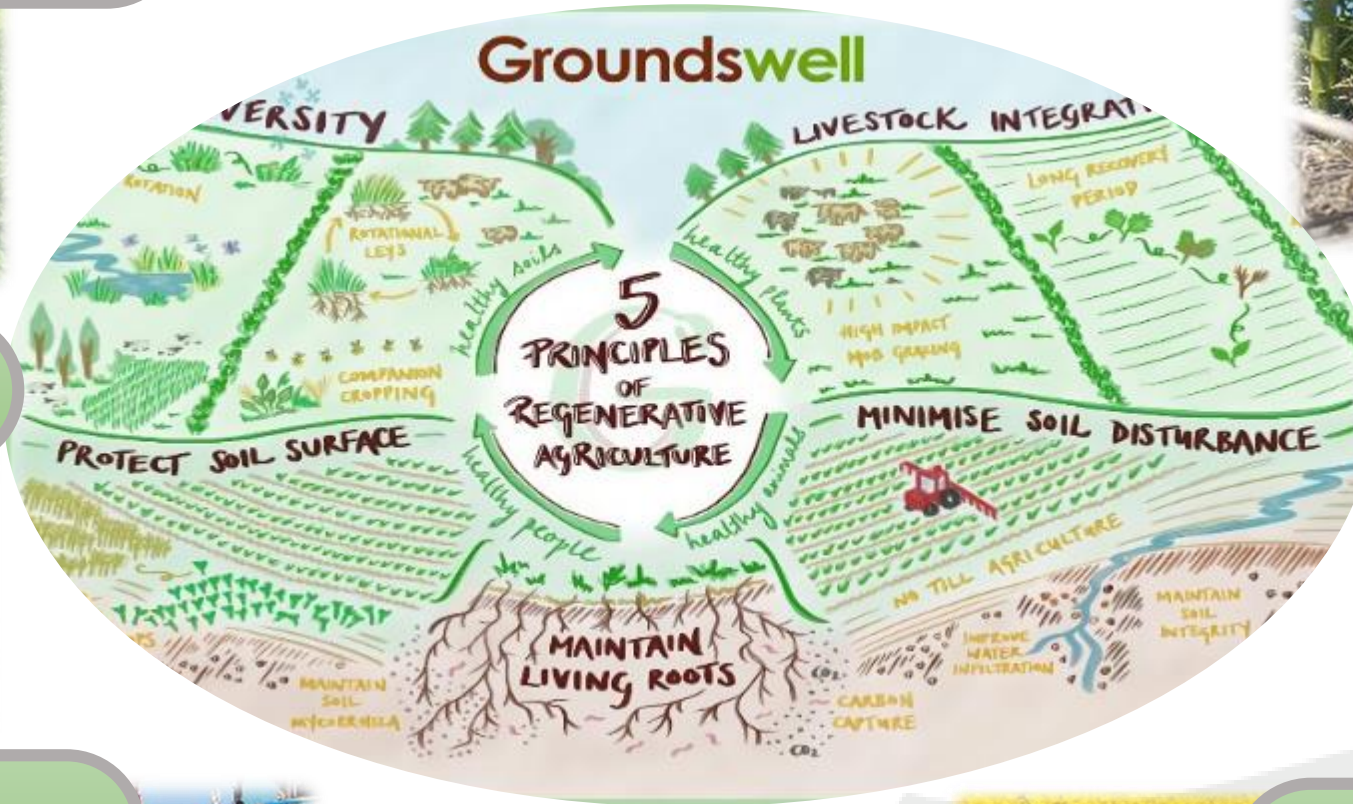
Groundcovers



Sustainable mechanization



Crop Rotation



Good Practices for Healthy soils



No-Tillage



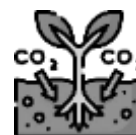
Cover crops



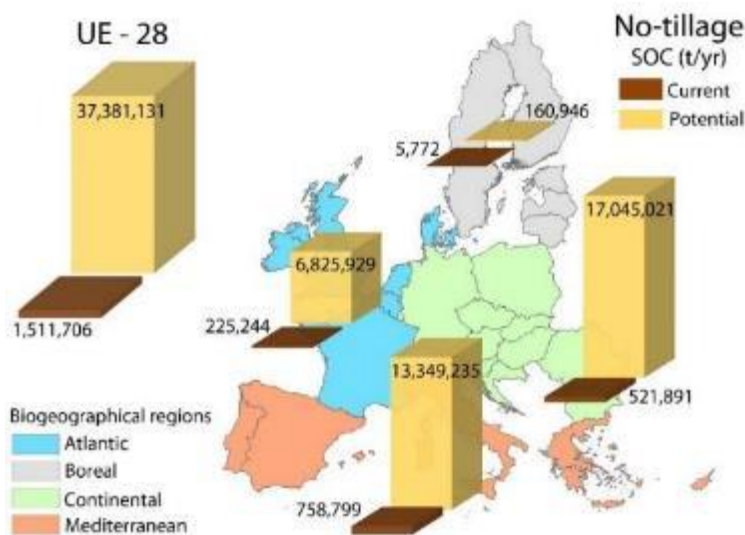
Groundcover



30-40% CO₂ emission from the soil

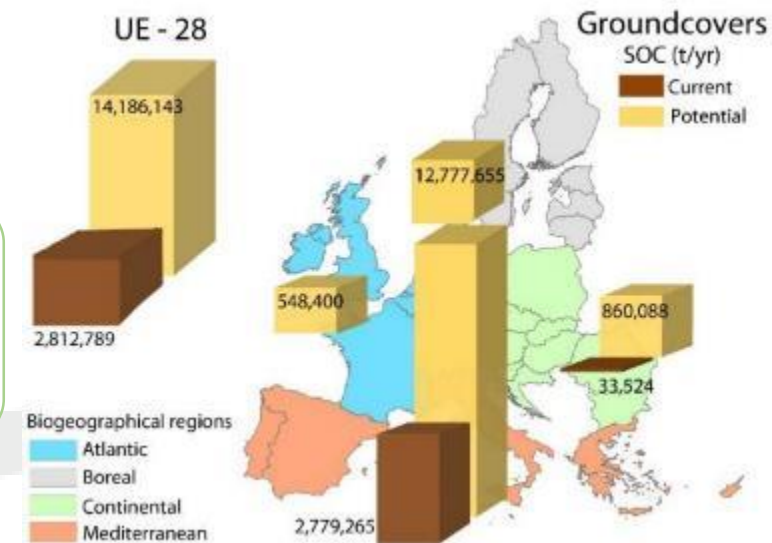


Potential of sequestration
1,5 – 7 t CO₂ ha⁻¹ year⁻¹



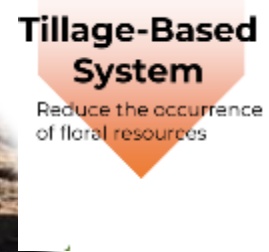
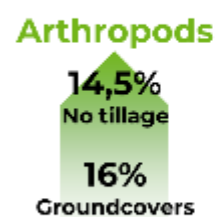
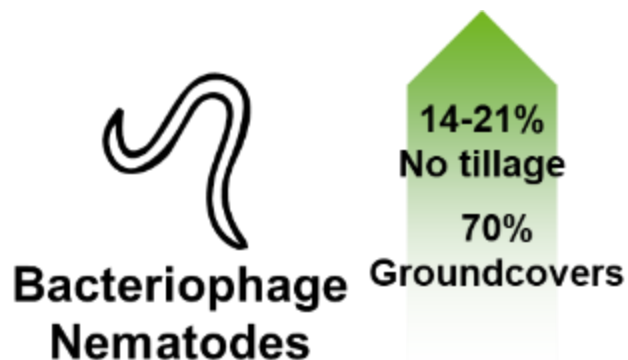
**189 Mt year⁻¹ of CO₂
51,6 Mt year⁻¹ of C
sequestered**

Source: Conservation Agriculture. MakingClimate Change Mitigation and adaptation real in Europe



Good Practices for Healthy soils

Contribution to the improvement of soil biodiversity



Disturbance of the soil surface

