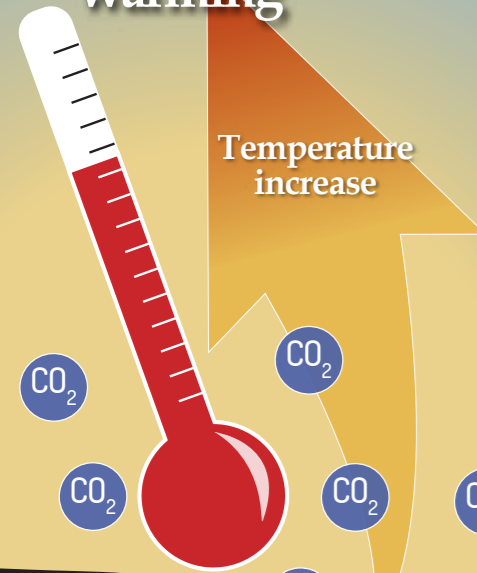
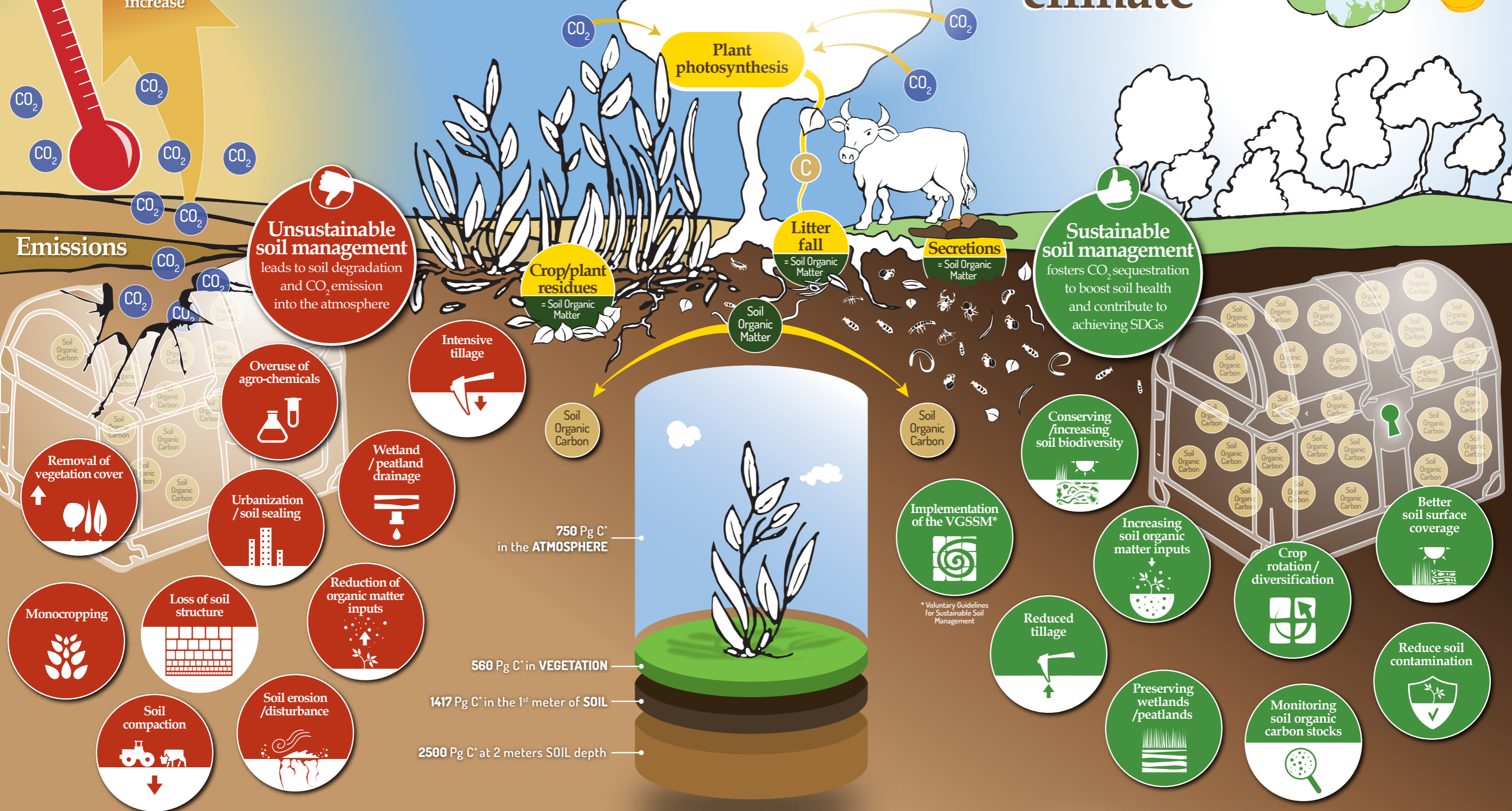


Global warming



Soils

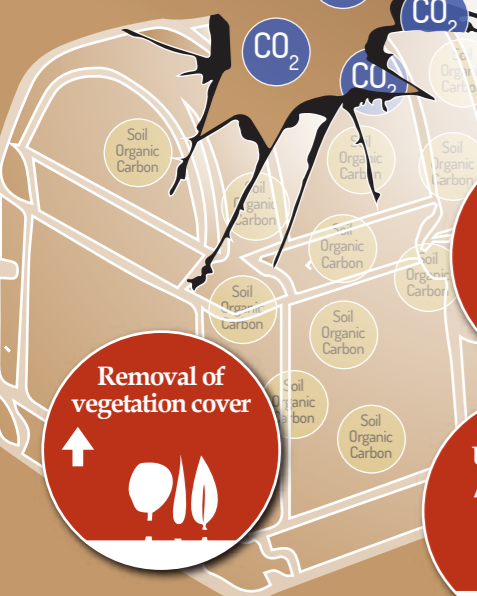
key to unlocking the potential of mitigating and adapting to a changing climate



Unsustainable soil management leads to soil degradation and CO₂ emission into the atmosphere

Sustainable soil management fosters CO₂ sequestration to boost soil health and contribute to achieving SDGs

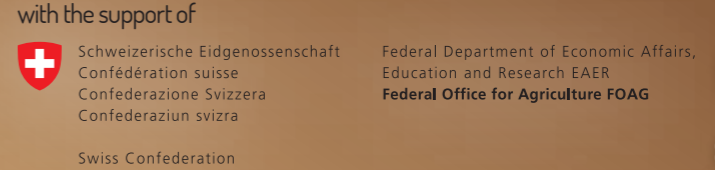
Emissions



- Overuse of agro-chemicals
- Intensive tillage
- Wetland/peatland drainage
- Urbanization/soil sealing
- Removal of vegetation cover
- Monocropping
- Loss of soil structure
- Reduction of organic matter inputs
- Soil compaction
- Soil erosion/disturbance

- Conserving/increasing soil biodiversity
- Implementation of the VGSSM*
- Reduced tillage
- Increasing soil organic matter inputs
- Crop rotation/diversification
- Better soil surface coverage
- Reduced soil contamination
- Preserving wetlands/peatlands
- Monitoring soil organic carbon stocks

There is more Organic Carbon in our Soil than in vegetation and the atmosphere combined



* Pg C = Petagram of Carbon - 1Pg = 10¹⁵g = 1 Gigatons