



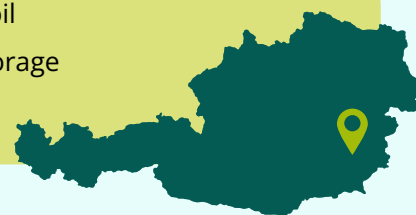
Humus build-up as a circular model for climate-positive agriculture

HUMUS+ is an Austrian programme of the Ökoregion Kaindorf that supports farms in implementing humus-building land management practices. Participating farmers receive professional guidance and are integrated into a network that promotes knowledge transfer and long-term implementation. The aim is to establish sustainable agricultural practices and to secure soil quality as a central basis for production.



Relevant Resources in the Loop

- **ATMOSPHERIC CO₂** - as Input for humus formation in the soil
- **AGRICULTURAL SOILS** - as a central carbon and nutrient storage
- **ORGANIC BIOMASS** - as a basis for humus humus build-up



Methods & Approaches of Circular Economy

Within the HUMUS+ programme, farms implement measures to promote humus build-up on their land. Progress is supported by scientifically based monitoring, in which changes in humus content are systematically recorded and documented. This structured approach strengthens natural carbon and nutrient cycles in the soil.



Impact & Added Value

HUMUS+ demonstrates how agricultural soil can be used as a key resource for sustainable agriculture. Targeted measures support the long-term preservation of soil quality and enable the sustainable management of agricultural land. At the same time, the importance of healthy soils for resilient agricultural systems is highlighted.



Ecological Benefits

- Long-term storage of CO₂ in soil through humus build-up
- Improvement of soil fertility & soil structure
- Strengthening of natural soil ecosystems
- Contribution to climate-resilient & sustainable agricultural systems



Social Benefits

- Support & qualification of farmers in regenerative agriculture
- Promotion of sustainable & regional food production
- Knowledge transfer through educational activities
- Strengthening regional agricultural communities



Economic Benefits

- Improvement of long-term productivity of agricultural land
- Additional income opportunities through humus programmes & certificates
- Reduced dependency on external inputs
- Strengthening regional value chains

