

Session Biosphere: April 13th 11.00 hrs

1s6b A healthy soil as a basic enabling condition for the transition towards circular land management and land use

CO2SAND

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LIFE CO2SAND focuses on:

Increasing the resilience of sandy agricultural lands against the effects of long-term drought and abundant rainfall by increasing the fine fractions and thus increasing of the water-holding capacity and lowering of the water-repellency;

Utilizing the potential of clay, loam and loam that is released through land use change (urbanisation – buildings and paving) to enable sandy soils to capture additional carbon lay;

and at the same time exploiting the potential of sandy soils in agricultural use to provide extra carbon capture by magnification of fine fractions with which clay-humus complexes are formed could be.

The project tests, evaluates and disseminates to areas with comparable conditions wherever it can be applied: the remaining eastern and southern sandy soils in the Netherlands, and further in the European cover sand belt. The project has therefore a demonstration character.

Keywords: clay, sand, climate change, drought