

SC2 and KET-B Brokerage Event

Food Security | Sustainable Agriculture and Forestry | Marine, Maritime
and Inland Water Research | Bioeconomy | KET-Biotechnology |

Brussels, 3rd July 2019



Session 1: Sustainable Food Security

Dynamics of forest soil carbon over Europe scale gradients

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www.ncp-biohorizon.net

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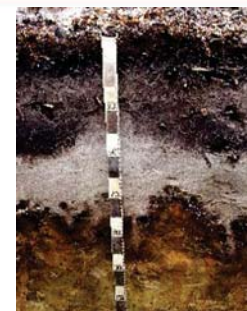


→ Searching for a consortium

LC-SFS-22-2020

Forest soils

Research and Innovation Action (RIA)



- Climate and land use change are impacting litter biodegradation and forest soil carbon storage through short (year) to long (centuries) timescales
- Urgent need to strengthen knowledge to manage the climate change mitigation
- Tackle processes (climate, land use change on soil ecosystems) and dynamics of forest soil carbon over Europe-scale gradients

Skills: Soil science, metagenomics, biostatistics, forest ecology & microclimate

Lab equipment: ICP-OES, Licor CO₂, T° C logger network, MiSeq® (Illumina)

Databases: Afforestation soil chronosequence (0→2000 yrs), Lidar 3D point clouds, geohistorical archives, European forest surveys (Small Forest DB)



Small Forest DB (Valdès *et al.*, GEB, 2015)



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