Transatlantic Perspectives on Soil Health

28th of June 14:00-18:00 (ECT), 08:00-12:00 (EST)

DRAFT agenda

Introduction

DG AGRI and USDA are collaborating and exchanging knowledge on soil health. Areas of collaboration include sustainable management of soils to promote carbon sequestration and soil biodiversity. Exchange topics include information on targeted research actions, how to foster networking, cooperation and partnerships among users of soil data and information as well as the development of indicators and assessments aimed at underpinning policy.

Format: virtual workshop

Time	Session
45 min	**Plenary session: the policy framework/initiatives in the EU & US** ***(Lead Moderator –*** Art. 4.1. (b) privacy ***, USDA ARS)*** **EU:** - EU Soil strategy for 2030. Art. 4.1. (b) privacy (DG ENV) - EU Mission: a soil deal for Europe. Art. 4.1. (b) privacy (DG AGRI) **US:** - USDA Initiatives – - Climate Smart Agriculture and Forestry Partnership Program. Art. 4.1. (b) privacy Climate-Smart Commodities (USDA) - Soil Health Initiatives – Mr. Art. 4.1. (b) (Art. 4.1. Soil Health Division Art. 4.1. (b), USDA NRCS)
5 min break	Break (transition to parallel sessions)
80 min	**Parallel session 1: Science for soil carbon and biodiversity** Individual 10 min presentations by each speaker followed by twenty minutes moderated discussion. ***Moderator –*** Art. 4.1. (b) ***, Soil Health Specialist, USDA NRCS and*** Art. 4.1. ***, Senior Program Office, USDA Office of the Chief Economist*** - Rapporteur – Art. 4.1. (b) (USDA NRCS) and Art. 4.1. (b) (USDA NRCS) - **<u>Speakers</u>** Dr Art. 4.1. (b), USDA-NRCS, Art. 4.1. (b) privacy Soil Research, Lincoln, NE **Title**: Cooperative research to support soil survey and soil health

	Description: The Dynamic Soil Properties for Soil Health project uses soil survey organization to evaluate soil heath indicator protocols across a range of soils and management systems Dr. Art. 4.1. (b) , Project Officer, European Commission -Joint Research Centre **Title:** Monitoring organic carbon in soils **Description:** The presentation will discuss challenges and opportunities of soil carbon sequestration at the EU level, by mean of large-scale soil survey and advance modelling integration Dr. Art. 4.1. (b) , USDA-ARS, Research Soil Scientist, Corvallis, Oregon **Title**: Management impacts on soil health and assessment **Description:** Improving cropping systems health and productivity through advanced integration of comprehensive management practices Dr. Art. 4.1. (b) privacy , INRAE, Art. 4.1. (b) for international policy, Paris **Title**: Carbon farming in Europe **Description:** Soil carbon is a dimension of soil health that can be supported through carbon farming Dr. Art. 4.1. (b) privacy USDA-ARS, Research Ecologist, Raleigh, North Carolina **Title:** Soil biological activity indicates multiple functions of health soil **Description:** Multiple functions of healthy soil affect soil carbon fractions and their association with soil nitrogen availability and soil aggregation Art. 4.1. (b) privacy NIOO-KNAW and special Professor at Wageningen University, the Netherlands; **Title:** Soil biodiversity research and policy without borders **Description:** A transdisciplinary approach will be discussed in order to prevent negative footprints on soils across borders
80 min	**Parallel session 2: Knowledge transfer of soil carbon and biodiversity** Individual 10 min presentations by each speaker followed by twenty minutes moderated discussion. - ***Moderator*** – Art. 4.1. (b) (European Commission -Joint Research Centre) - Rapporteur – (to be confirmed) **<u>Speakers</u>** Dr. Art. 4.1. (b) privacy , USDA-NRCS, National Soil Health Specialist, Washington, DC **Title:** Guidance to the field: Technology transfer for practical conservation planning **Description:** NRCS's Soil Health Division compiles technical and scientific information to inform conservation planning to increase soil health across working lands Dr. Art. 4.1. (b) , EC JRC, EU Soil Observatory, Italy , **Title:** LUCAS Soil: towards an integrated soil health monitoring system for the EU

	Description: Evolution of pan-EU soil monitoring system to assess progress towards agricultural, climate and biodiversity targets under the European Green Deal Art. 4.1. (b) privacy, USDA-NRCS, National Resource Soil Scientist-Dynamic Soil Properties, Grand Junction, Colorado **Title:** Dynamic Soil Properties: Program and Data Integration into soil survey **Description:** The Dynamic Soil Properties (DSP) Program includes DSP studies across the US and are planned to be integrated in Soil Survey Products Art. 4.1. (b) privacy, soil scientist, University of Osnabrueck, Germany **Title:** Knowledge transfer for soil health, soil carbon and soil biodiversity **Description:** How can communication on soil-related issues be improved? Art. 4.1. (b), USDA-ARS, Research Soil Scientist, Columbia, Missouri **Title:** Soil Health Assessment Protocol and Evaluation (SHAPE) tool **Description:** The Soil Health Assessment Protocol and Evaluation (SHAPE) tool is a Bayesian, model-based, soil health interpretation framework grounded in the principles of soil science at the continental scale. Art. 4.1. (b) privacy, European Land and Soil Alliance and Authority of Land Reform, Lowe Austria **Title:** Windbreaks and Multifunctional Hedges as Instruments of Soil Protection – Experiences in Lower Austria **Description:** Planning, planting and maintenance of hedges on local and regional level to reduce erosion by wind and water, improve micro-climate conditions, and stabilize and increase soil fertility.
10 min	Break (transition back to plenary session)
40 min	**Plenary session: Wrap-up and conclusion** ***Moderator*** – Art. 4.1. (b) privacy, ***USDA ARS*** - Reports from the parallel sessions - Reactions by panellist of the first plenary session US: Art. 4.1. (b) (USDA), Mr Art. 4.1. (b) (USDA-NRCS) EU: Art. 4.1. (b) privacy (DG ENV), Art. 4.1. (b) privacy (DG AGRI)