

M20: Understanding the functional capacity of our soils – case studies from around the world

Organisers: Stephan Mantel^a, Rachel Creamer^b

^a ISRIC World Soil Information, The Netherlands

^b WUR, Soil Biology Group, The Netherlands

Based in the ISRIC World Soil Museum, we will visit 4 continents to provide case study examples of how to assess the functionality of our soils. Combining information from the ISRIC soil monoliths, interactive knowledge from the soil grids portal and case study video-blogs, we define the supply and demand of soil functions; primary productivity, water regulation, habitat for biodiversity, carbon management and climate regulation and nutrient cycling.

Groups of five members will be allocated to a map based case study and will be guided through the process of assessing supply and demand of soil functions and associated synergies/trade-offs.

