

M19: Proximal soil sensing for soil data acquisition

Organisers: Fenny van Egmond^a, Martin Knotters^b and Titia Mulder^c

^a ISRIC World Soil Information, The Netherlands

^b Wageningen Environmental Research, Soil Water and Land Use, The Netherlands

^c WUR, Soil, Geography and Landscape group, The Netherlands

At field, farm and/or regional scale several non-destructive proximal soil sensing techniques are available that can assist in soil data acquisition. Together with existing (open) data sources and new calibration point data they can have added value to answer information questions related to soil functions. We will discuss and practice how to define the additional data needs fitting contemporary research specific questions, how to choose which data acquisition methods are most suited (cost/accuracy/added value of information) and then how to analyse the collected data to answer the question at hand.

