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Type: **Talk**

Soil sensing for soil health assessment –a contribution to digital bio-economy.

Tuesday 20 February 2024 16:45 (30 minutes)

Soil is essential for crop production and has other important functions with regard to ecosystems and human health. Proper soil management requires detailed knowledge of soil state variables and processes. However, soil investigation is challenging because soil is a very complex and heterogeneous medium with high spatio-temporal variability. Traditional laboratory based soil analysis is expensive and time-consuming. Soil sensing, in particular proximal soil sensing, promises to provide soil data with high resolution at minimum costs. The talk will present the state-of-the art in proximal soil sensing and discusses its prospects and limitations.

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