Special Issue

Digital Soil Mapping for Precision Agriculture

Message from the Guest Editor

Precision agriculture (PA) seeks correct and precise information on soil properties to support decision making on site-specific field operations. Digital soil mapping (DSM) aims at the quantitative creation of geographically-referenced soil databases and maps using soil and environmental data. It has adopted or developed a wide range of tools to acquire, combine, and process information on soil and environment, create, calibrate and validate spatial prediction models, produce soil maps, and assess the accuracy of results. This Special Issue aims to show the suitability and application of DSM tools and principles in PA, particularly: optimization of sampling, exploitation of proximal and remote sensing and vegetation data, (big) data processing and fusion, spatial prediction models, map production, accuracy assessments, and scale issues. Both novel methodological works and well documented and inspiring case studies are welcome.

Guest Editor

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