



Remote Sensing of Agricultural Soils degradation: Studying Soil Losses, Soil Drying and Soil Quality Deterioration

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Remote sensing mapping of soil properties is instrumental for understanding the extents rates of agricultural land degradation. In our presentation there will be reviewed methods allowing the detection of soil losses, soil drying and soil quality deterioration utilizing passive and active sensors. The task is difficult since these processes involve sub-surface properties such as salination, water content, soil organic matter, nutrients and organic and inorganic contaminants. In recent studies a distinctive number of researchers in this field recommended the application of multi-sensor and multi-temporal approaches as well as methods integrating environmental information (topography, soil types and precipitation for example). These integrative approaches will be discussed during the conference.