

## [Operational Surface Soil Moisture Products in support to water resources management in agriculture in the face of climate change.](#)

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### **Description:**

An important aspect of regional climate change is alteration in soil moisture availability. There are already signs that soil moisture content is being affected by rising temperatures and changes in precipitation patterns. Advances in Earth Observation (EO) technology over the last two decades have allowed us to reach the level where a number of operationally distributed Soil Moisture Content (SMC) products are available by different Space Agencies. Validation of such operational products at a range of climatic and environmental conditions (across different continents) is widely regarded as a fundamental step related to their practical use. This study provides an assessment of the Soil Moisture and Ocean Salinity Mission (SMOS) and Advanced Scatterometer (ASCAT) operational products performed at selected sites globally representative of a variety of climatic, environmental, biome and topographical conditions ...

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