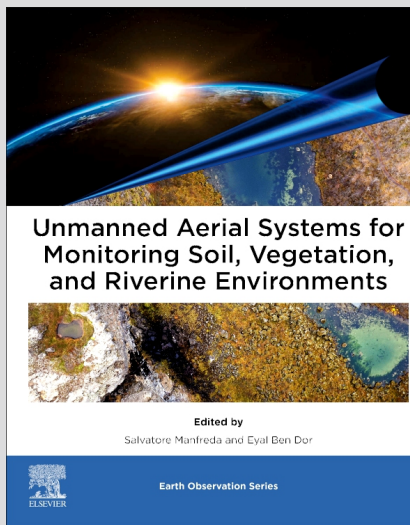




Unmanned Aerial Systems for Monitoring Soil, Vegetation, and Riverine Environments

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AUDIENCE: Primary: Environmental Science and remote sensing education, including (but not limited to) soil, water, and vegetation Secondary: They will find in one book most of the required steps to apply UAS technology for their present and future needs with regards to efficient monitoring and analysis of environment.

Explores how unmanned aerial systems have revolutionized our capability to monitor river systems and soil characteristics at unparalleled spatio-temporal resolutions

A Volume in the *Earth Observation Series*

KEY FEATURES

- Provides a comprehensive review of UAS advancements and technical issues enabling readers focus on how and what technology fits their scientific questions
- Introduces specific applications and methods that will help readers to understand the benefits and threats within the field
- Offers guidelines, technical advices and practical examples to support practitioners and researchers

DESCRIPTION

Unmanned Aerial Systems for Monitoring Soil, Vegetation, and Riverine Environments provides an overview of how unmanned aerial systems have revolutionized our capability to monitor river systems, soil characteristics, and related processes at unparalleled spatio-temporal resolutions. This capability has enabled enhancements in our capacity to describe water cycle and hydrological processes. The book includes guidelines, technical advice, and practical experience to support practitioners and scientists in increasing the efficiency of monitoring with the help of UAS. The book contains field survey datasets to use as practical exercises, allowing proposed techniques and methods to be applied to real world case studies.

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