

Smartphones, drones and satellites: vegetation dynamics from a wide variety of perspectives

Prof. Dr. Teja Kattenborn
Universität Freiburg

Remote sensing of vegetation opens new possibilities for comprehensively recording and monitoring vegetation dynamics through a variety of data sources – from citizen science to drones to satellites. Especially in areas such as tree mortality, plant characteristics and functional diversity, a more detailed understanding is achieved by modern remote sensing technologies.

The strength of these approaches lies in the combination of different sensor platforms that enable diverse perspectives on vegetation. Machine learning transforms the wealth of remote sensing data into meaningful information products that make previously invisible phenomena visible and offer new insights. Open data, both from citizen projects and from scientists, is of crucial importance in this regard.

Dept Life Science Systems
Wintersemester 2024/25

Monday, 11.11.2024, 16:15–17:00

Online [https://tum-conf-zoom-x.de/j/69079483987?pwd=eIJ6bStBbXo0RHQ4aUJjVG1qRVpLdz09](https://tum-conf.zoom-x.de/j/69079483987?pwd=eIJ6bStBbXo0RHQ4aUJjVG1qRVpLdz09)

Meeting-ID: 690 7948 3987

Kenncode: 021482

Prof. J. Kollmann (Tel. 08161-714144, johannes.kollmann@tum.de)