

Kolloquium des Institutes für Landschaftsökologie WS 16/17

Dienstags 18 Uhr c.t.
Hörsaal Heisenbergstr. 2

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Remote Sensing of Biodiversity - opportunities and challenges

The ongoing loss of biodiversity is a major concern in the biodiversity research community and affects human wellbeing by disrupting ecosystem functions and services. In order to face the challenges in monitoring and conservation of biodiversity, remote sensing has become an interesting tool that holds large opportunities but also strong challenges. In this presentation, I will introduce recent research concepts for the monitoring of biodiversity with remote sensing, highlight the mentioned opportunities and challenges and present several approaches with own examples from southern Africa. In particular, applications from large scale (MODIS), medium scale (HyMap, CHRIS) and small scale (UAV) remote sensing for the assessment of biodiversity will be discussed. However, the biggest challenge we face in the future will be the amalgamation two different research fields with different mindsets, ecology and remote sensing, into a new successful field of research.

Die Vorträge sind öffentlich. Um rege Teilnahme, insbesondere auch durch Studierende, wird gebeten. Die Veranstaltungen sind im Studiengang MSc Lök, Modul M2/M1 anrechenbar.