

BayCEER Kolloquium

Lectures in Ecology and
Environmental Research

WS 2017/18



UNIVERSITÄT
BAYREUTH

Friday

02.02.2018

12:00 in H6, GEO

Prof. Duccio Rocchini
University of Trento, Italy

Biodiversity from space: use and misuse of remote sensing

Remote sensing is one of the most cost-effective approaches to identify biodiversity hotspots and predict changes in species community composition. This is because it allows for complete spatial coverages of the Earth's surface under study over a short period of time. Furthermore, remote sensing provides repeated measures, thus making it possible to study temporal changes in biodiversity. In this seminar I will provide a concise review of the potential of remotely sensed imagery to help track changes in species diversity, and provide an overview of the potential pitfalls associated with the misuse of such imagery to predict species diversity.