



The University of Hong Kong
School of Biological Sciences

**Guest
Seminar**

Canopy-scale long term tree monitoring

Date: July 21, 2026

Time: 10-11 am

Venue: KBSB 6N-11



About the speaker:

Martin Brandt is an Associate Professor in the Department of Geosciences and Natural Resource Management at the University of Copenhagen. His work sits at the intersection of remote sensing, ecology, and conservation, with a particular focus on tree cover mapping and vegetation dynamics in dryland and non-forest ecosystems across the world.

Brandt's research is distinguished by its scale and methodological ambition — combining high-resolution satellite imagery (including PlanetScope and Gaofen-2) with deep learning and large-scale geospatial data pipelines to tackle questions that were previously intractable. His group has made landmark contributions to global individual tree mapping and above-ground biomass estimation in non-forest landscapes.

Abstract:

Previously one had to decide between local highly detailed studies or long term large scale studies. Here I will introduce our achievements in bridging gaps towards locally detailed and globally consistent and long term monitoring of woody resources.