



Universität
Basel

Research Project

Soil erosion monitoring with Unmanned Aerial Vehicles

Project funded by own resources

Project title Soil erosion monitoring with Unmanned Aerial Vehicles

Principal Investigator(s) [Kuhn, Nikolaus J.](#) ;

Co-Investigator(s) [Kuhn, Brigitte](#) ; [Schaub, Daniel](#) ;

Organisation / Research unit

Departement Umweltwissenschaften / Physiogeographie und Umweltwandel (Kuhn)

Project start 01.01.2016

Probable end 31.12.2020

Status Completed

Soil erosion is a major threat to soils. Mapping, monitoring and modelling of erosion is difficult to its dynamic nature. Unmanned Aerial Vehicles offer the opportunity for fast and accurate mapping of erosion patterns and volumes. This project explores the use of UAVs for erosion mapping in the context of Swiss legislation aimed at protecting soils.

Financed by

University funds

Add publication

Add documents

Specify cooperation partners