

# Research Unit Forest Dynamics - colloquium

**Date:** 11.06.2019

**Time:** 13:00

**Room:** Engler

**Duration:** 25 minutes

**Author:** Yann Wittwer

**Title:** Changes in land use and climate: insights from a long term experiment in a dry Scots pine forest from Central Valais

## **Abstract:**

In a WSL experiment in Salgesch, the consequences of changes in land use on the tree growth and ecophysiology or site properties in a dry Scots pine stand have been studied since 2010. In the present master thesis, the changes in the soil biological activity and responses in the stem and foliage canopy of dominant trees after eight years of understory removal treatment were analyzed. After an initial growth release, the differences between the treated and control trees regarding several traits measured in the stem and foliage have been fading during recent years. The interaction between understory concurrence and climate variation drivers, especially during extreme years, will be discussed.