

Research Unit Forest Dynamics - colloquium

Date: 26.11.2019

Time: 13:00

Room: Engler

Duration: 25 minutes

Author: Shengnan Ouynag, WSL

Title: The role of nutrient and drought in the process of trees mortality and survival

Abstract:

Global forests are undergoing more severe droughts. And current research on the physiological mechanisms underlying drought impacts is focused more on the associated mechanisms of water and carbon balance. The role of nutrients in the framework of plants react to drought are less understood. We conducted a manipulative greenhouse experiment for two years, combining with another open-top chamber experiment for three years, try to understand the roles of nutrients in Scots pine and Sessile oak physiological responses to cope with drought under different drought occurrence time point (before, during and after drought).