

Research Unit Forest Dynamics - colloquium

Date: 30.01.2024

Time: 10:50

Room: Engler-Saal

Duration: 25 minutes

Author: Dr. Frederik Baumgarten, Univ. British Columbia, CA

Title: Phenological plasticity: shifting growth and developmental phases of North American tree species in response to environmental stressors

Abstract:

Most tree species of the temperate zone grow only within a narrow window of the potential climatic growing season. They follow an internal program in which developmental stages and growth periods align in a sequence forming a phenological cycle. In the presented study I investigate how 6 different North American tree species align their radial and apical growth activities under no water limitations (control) and different timings of drought and defoliation events.