

Research Unit Forest Dynamics - colloquium

Date: 31.01.2023

Time: 10:30

Room: Engler-Saal

Duration: 25 minutes

Author: Dr. Jelle Lever, RG Ecosystem Ecology

Title: The implications of seasonal differences in climate change for the plant seasonal cycle.

Abstract:

Limiting global mean annual temperature increases to 1.5 degrees above pre-industrial levels is the primary objective of global climate policies. While this is a useful summary statistic to guide policy, translating such a global, average temperature increase into expected impacts on natural and human systems remains challenging. Apart from comparably well-studied regional differences, one of the key problems is that climatic changes differ greatly between seasons and that the implications of these differences are unclear. In this talk I will discuss the implications of differences in climate warming between seasons for global vegetation growth using satellite data of annual changes in vegetation greenness over the past approximately 20 years.