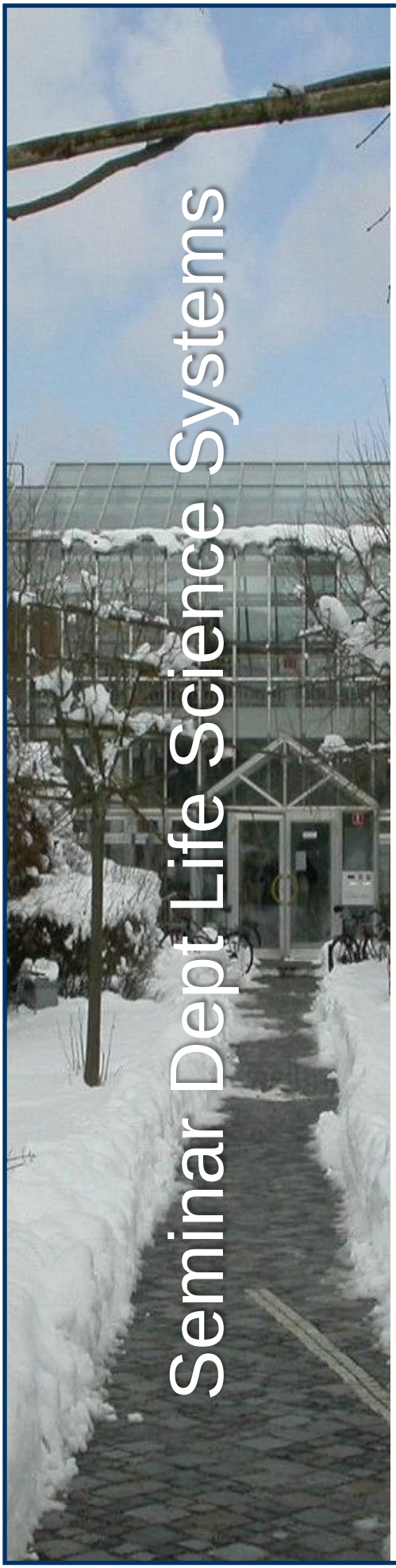

Drought resilience in a changing world

Prof. Dr. Michael Bahn
University of Innsbruck

Drought events have been shown to exert strong impacts on ecosystems, however little is yet known on how plant-, soil- and ecosystem processes respond to drought in a likely future climate under warming combined with elevated CO_2, and when droughts are expected to increase in frequency and severity. Based on a range of ecosystem experiments in (mostly mountain) grasslands and forests I will show how such future conditions can alter the drought responses of carbon, nutrient and water dynamics at the plant-soil-atmosphere interface, and how drought legacies can modulate ecosystem responses to subsequent drought.

Dept Life Science Systems

Wintersemester 2024/25

Monday, 16.12.2024, 16:15–17:00

Online https://tum-conf.zoom-x.de/j/69079483987?pwd=elJ6bStBbXo0RHQ4aUJjVGlqRVpLdz09
Meeting-ID: 690 7948 3987
Kenncode: 021482

Prof. J. Kollmann (Tel. 08161-714144, johannes.kollmann@tum.de)