

Drought resilience in a changing world

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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 CO₂, 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
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Online <https://tum-conf.zoom-x.de/j/69079483987?pwd=elJ6bStBbXo0RHQ4aUJjVG1qRVpLdz09>

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