

Session Title: Networking of long-term infrastructures for terrestrial research

Conveners:

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Keynotes:

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Climate change and land use change are the main drivers controlling global environmental change that have to be managed by society in the coming decades. These changes take place on different spatial and temporal scales leading to significant regional differences at the continental and global scale. All compartments of the terrestrial systems are affected by climate variability and climatic gradients which impose complex feedback mechanisms. To tackle these challenges, terrestrial environmental research has to apply new research approaches based on the observation of long-term environmental multi-scale multi-temporal data. Long-term operated international networks of environmental monitoring and research are a prerequisite to tackle the new quality of questions and to reveal cause-response relationships across scales.

This session aims to inform about ongoing and planned activities of environmental research networks and to discuss the possibilities of enhanced national and international cooperation beyond disciplinary borders.