



climate



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Landscape and Climate Change

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Message from the Guest Editor

Dear Colleagues,

The characteristics of landscapes and climate are strongly related through a direct exchange between the terrestrial and the atmospheric system. Alterations in these properties inevitably have consequences for the climate system. While changes in landscapes affect greenhouse gas emissions, which in turn contribute to global warming, changes in climate cause vegetation shifts along altitudinal and latitudinal gradients. Modifications in vegetation type compositions further feedback to the hydroclimatic system as well as to atmospheric processes that alter the regional and local climate with impacts on the socio-ecological system.

Kind regards,

Dr. Katja Trachte

Guest Editor



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Special Issue