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**UNIVERSITÄT
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Seminar über Microwave Physics and Atmospheric Physics

Referent/in: Dr. Christoph Dätwyler - Institute of Applied Physics and
Oeschger Centre for Climate Change Research

Titel: **The last millennium: From proxy records to teleconnections and large-scale modes of climate variability**

For several decades already, we are experiencing a strong global warming trend. This trend falls together with large parts of the instrumental period, which makes it difficult to separate natural from anthropogenic drivers. Hence, to better understand recent developments in the earth's climate system, they need to be put into a long-term context. This long-term context is also crucial because key factors influencing climate act on a variety of time-scales, ranging from sub-annual to multi-centennial and even longer. Knowledge on past climate heavily relies on extracting information on different climate variables from paleoclimate proxy archives such as tree-rings or ice cores. We discuss how proxy records from various archives are used to gain insight into the spatio-temporal evolution of large-scale modes of climate variability over the last millennium, focusing on the El Niño-Southern Oscillation and the Southern Annular Mode.

Zeit: Freitag, 02.10.2020, 10:15 Uhr

Ort: **Hörsaal B77**, Gebäude Exakte Wissenschaften, Sidlerstrasse 5, Bern, Schweiz