

# SOLID EARTH SEMINARS

LEAF WAX N-ALKANES AND COMPOUND-SPECIFIC SIGNAL OF THE LAST 2000 YEARS OF LAKE PAIXÃO SEDIMENTS (SERRA DA ESTRELA, PORTUGAL)



## WHAT'S THIS ABOUT?

The increasing number of studies on Iberian mountain lakes depicted a wide spectrum of spatio-temporal variability in climate and environmental conditions for the last 2000 years. However, the lack of archives from the western region hampers a detailed understanding of the effect of major climate forcings through different periods. Serra da Estrela covers a key area between two different climatic zones and constitutes a major barrier to Atlantic air masses coming from the Atlantic Ocean. This study presents preliminary results based on the most recent sediments of Lake Peixão. Sediments show evidence of a remarkable influence of solar variability via the North Atlantic Oscillation (NAO), changes were recorded on the n-alkane signal, reinforcing the sensitive nature of alpine ecosystems and extending the spatial coverage of the Iberian paleoclimate studies.

ZOOM



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**September 8**  
**Wednesday: 13:00**

PASS: 2021\_RG234

<https://videoconf-colibri.zoom.us/j/89018419156>