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Session

**S27**

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## **S27 Palaeoenvironmental research in Balkan mountain areas**

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This session accepts both full papers and abstracts

Scientists and policy-makers increasingly asking: what consequences global warming will have on ecosystems? This remains unclear in many areas of the world, not least for the Balkan countries. Recent developments in the area of palaeoenvironmental research have made their application in the field of climate and environment reconstruction more and more attractive. Thus, this session focuses on an interdisciplinary multiproxy, multiarchive approach to investigate modern- and palaeo- climate and environmental variations during the Holocene on societally-relevant time scales (seasonal to decadal, to modern times with increasingly resolution) in high mountains of the Balkans. The session will primarily assess the potential of geoarchaeological studies with regard to all aspects which may advance the interpretation of geoarchives in mountainous zones for climate reconstruction. It should be stressed that this includes the possibility of incorporating multi-proxies such as trees, lake-sediments, glaciers, moraines, for broadening and substantiating the basis of climate reconstruction. This means:

- (1) To address existing concepts and their limitations
- (2) To identify future developments that are necessary to advance the interpretation of data
- (3) To pave the way for novel ideas, i.e. on the one hand side with regard to new research fields and on the other side in view of even more advanced technologies
- (4) To identify fields in which projects should be promoted or encouraged.