

Submitted Abstract

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Abstract

Climate change is widely affecting mountain social-ecological systems jeopardizing traditional and local activities based in ecosystem services provided by mountain ecosystems. Thus, the adaptation through transformative approaches such as nature-based solutions (NbS) are increasing. In this sense, how NbS could contribute with a wide range of ecosystem services in mountain regions is still not enough addressed. To fill this gap, we analyse the outcomes of a set of NbS detected in the Alps in the PORTAL project, based in restoration activities. These NbS are ranged in different altitudes and address different issues regarding adaptation to climate change. Our results show how NbS in mountains regions could address multiple ecosystem services at the same time as they serve as a transformative approach for the adaptation. We also discuss how they can include more ES, and if the increase in this kind of initiatives could solely face climate change effects in the future.