The EuroDendro project - Snow-avalanche frequency and magnitude in European Middle Mountain unravelled by dendrogeomorphological analyses

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The EuroDendro project (2009-2010) associates French, Icelandic, Norwegian and Romanian researchers to analyse the recurrence of geomorphic dynamics occurring on slopes with a dendrogeomorphological approach. Study sites are located in France (Auvergne), Iceland (Northwestern and Northern Iceland), Norway (Nordfjord) and Romania (South Carpathians Mountains), enabling to investigate various European middle mountain environments and different tree species impacted by similar processes. The aim of the study is to highlight the various responses of conifers and broad-leaved trees subjected to recurrent snow avalanches in similar cold environments. In a longer perspective, the EuroDendro project aims to analyse natural hazard for local populations in areas with a lack of historical records. The study sites are voluntarily selected outside the Alpine area to represent zones that are scarcely present in the international literature, whereas such territories offer great potentialities in a global change context.