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## ICDP proposal “Drilling over-deepened Alpine Valleys (DOVE)”

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A submitted International Continental Drilling Program (ICDP) proposal focuses on drilling of sedimentary sequences in the circum Alpine area. The goal of the intended project is to understand and to date the infill of overdeepened valleys. The sediments of past glaciations and interglacials are considered to be an important key to understand paleoclimate, paleoecology and landscape history in the Alpine region during the Quaternary.

The circum alpine initiative would be a perfect opportunity to bring scientists from several countries around the European Alps together. It would offer a new window of opportunity to understand Pleistocene glaciations of the European Alps in general. Implications for all kind of mountain glaciations would be possibly developed.

Additional to fundamental scientific questions about Earth history and glaciation, information about valley infills are of importance for several applied topics like, for example, shallow geothermal applications or seismic risks.

In case of successful application a new phase of Quaternary research on the Alpine glaciation will start.