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What are the vegetation responses of *Sulsee* to climate and humans along the Holocene?

Methods



New

Databases
PhyloAlps: 4147 spp of the Alps
PhyloNorway + ArctBorBryo + EMBL



New

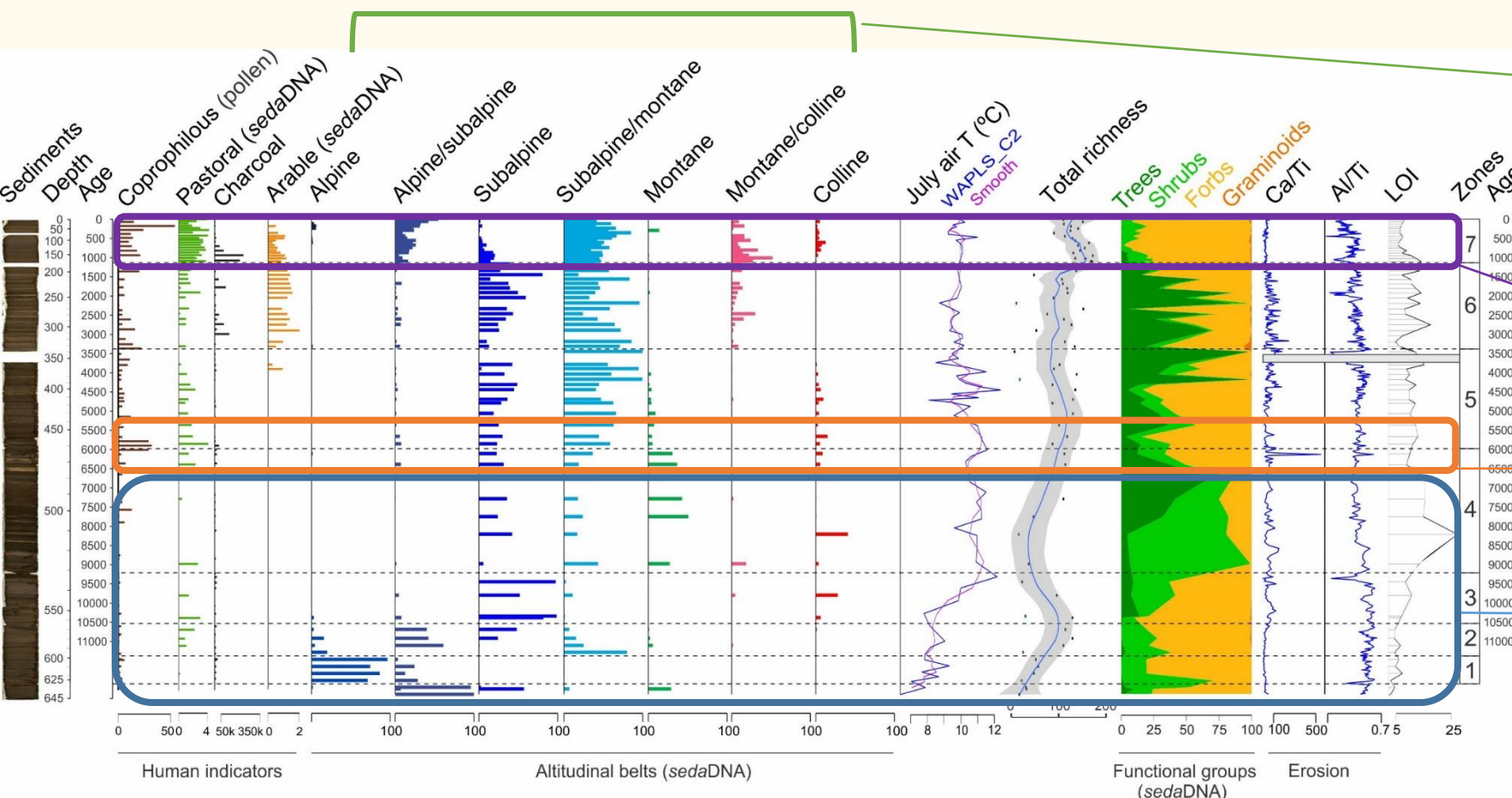
SedaDNA indicators
- Altitudinal vegetation zones
- Human indicators



Results

376 Taxa -> 140 Species + 146 Genera + 90 lower taxonomic resolution -> **PhyloAlps** allowed a high taxonomic resolution of *sedaDNA*.

Conclusions



The high taxonomic resolution of *sedaDNA* and the availability of autecological data allowed us to define reliable indicators.

The use of reliable indicators is crucial to perform robust ecological reconstructions from *sedaDNA* data.

The agropastoral intensification of the Medieval age prompted a great rise of richness that characterizes the current diversity of the Alps.

Since the Neolithic, humans have influenced the landscape through fires and land use.

Temperature was the main driver of vegetation during the first part of the Holocene