

Multi-proxy reconstruction of Eastern Alpine Holocene climate

Progetto d'Interesse "NextDATA"
WP 1.4



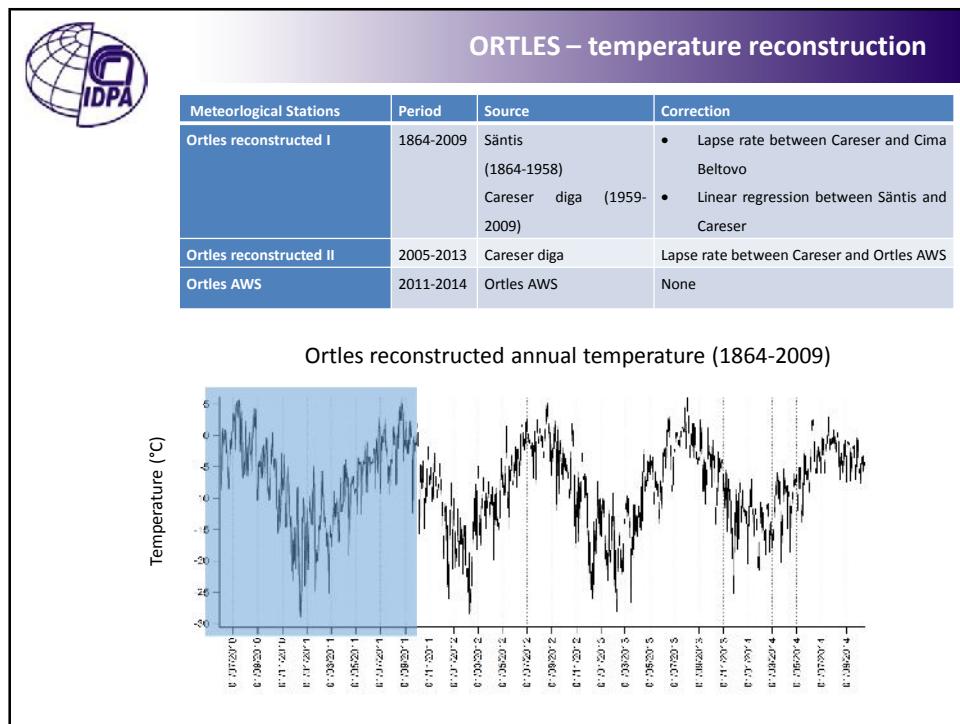
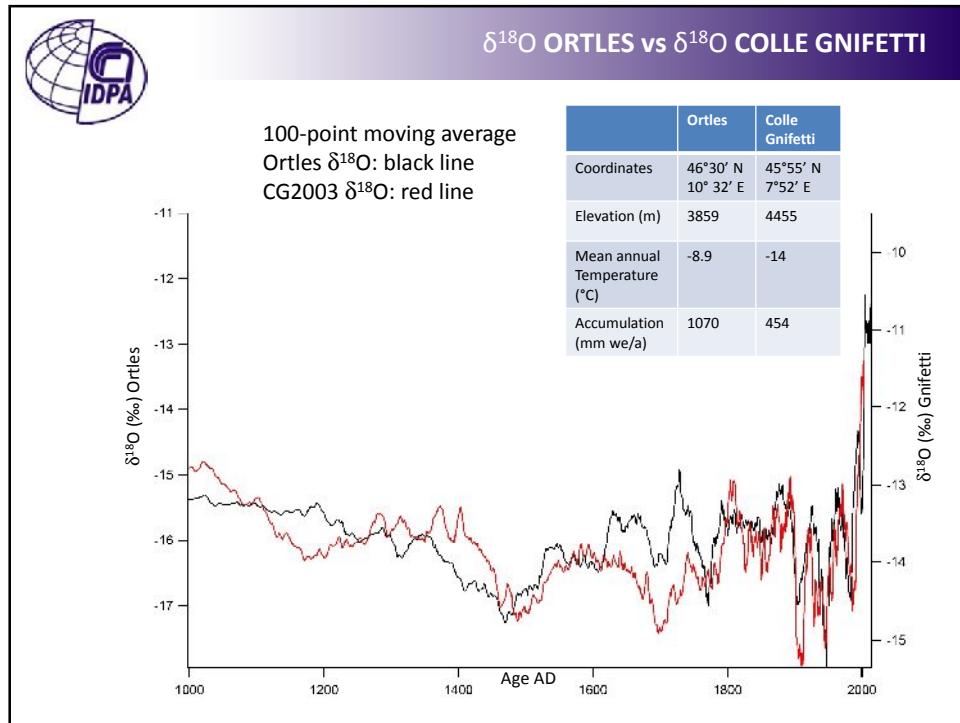


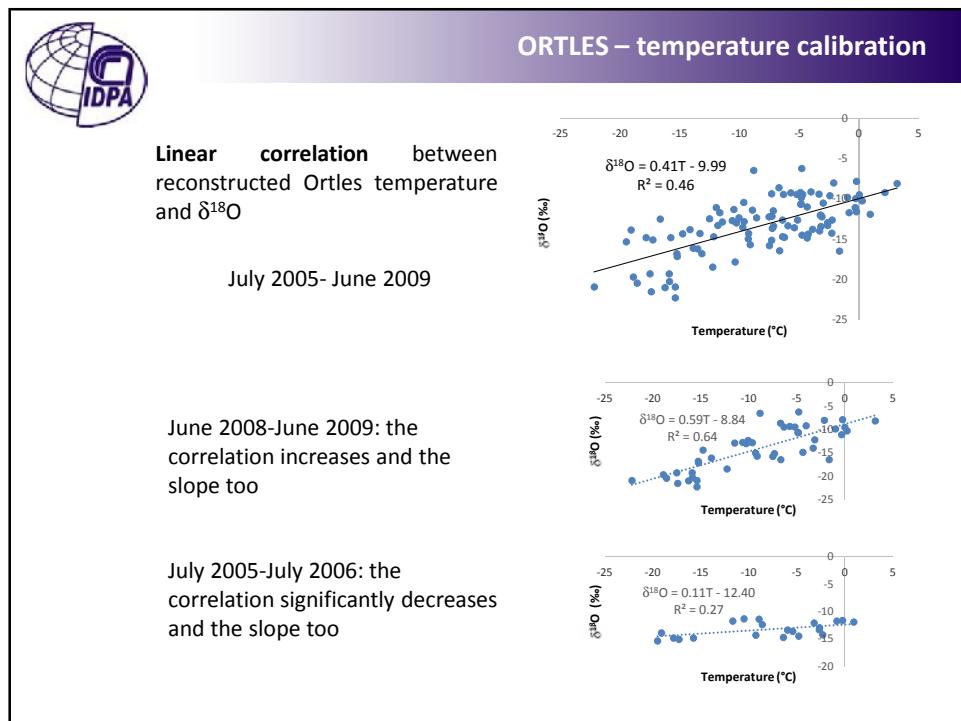
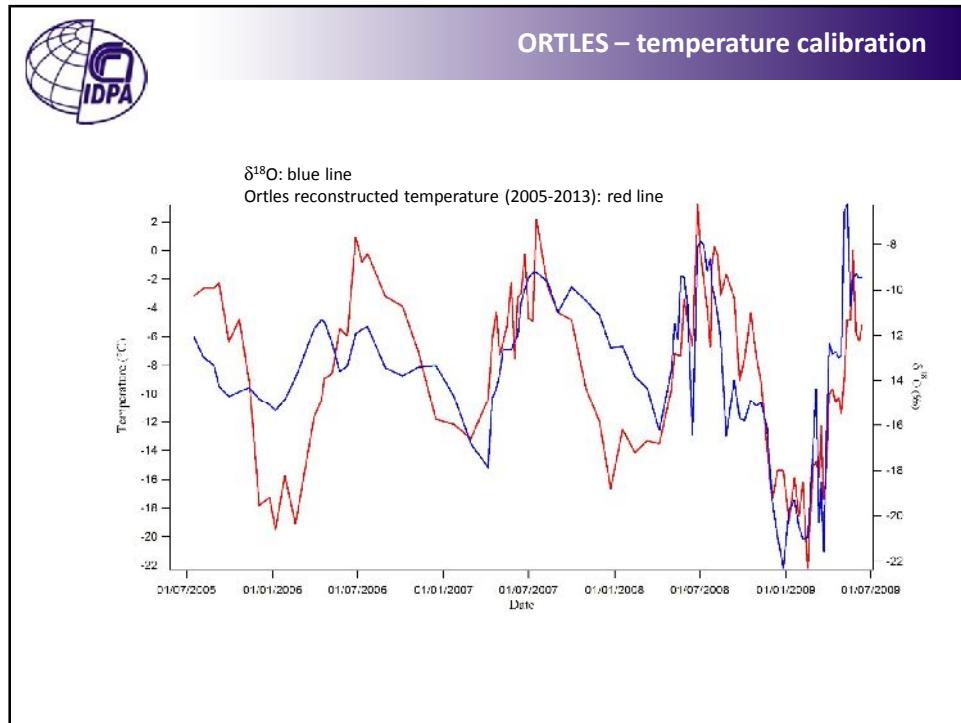
 Vedretta Alta dell'Ortles

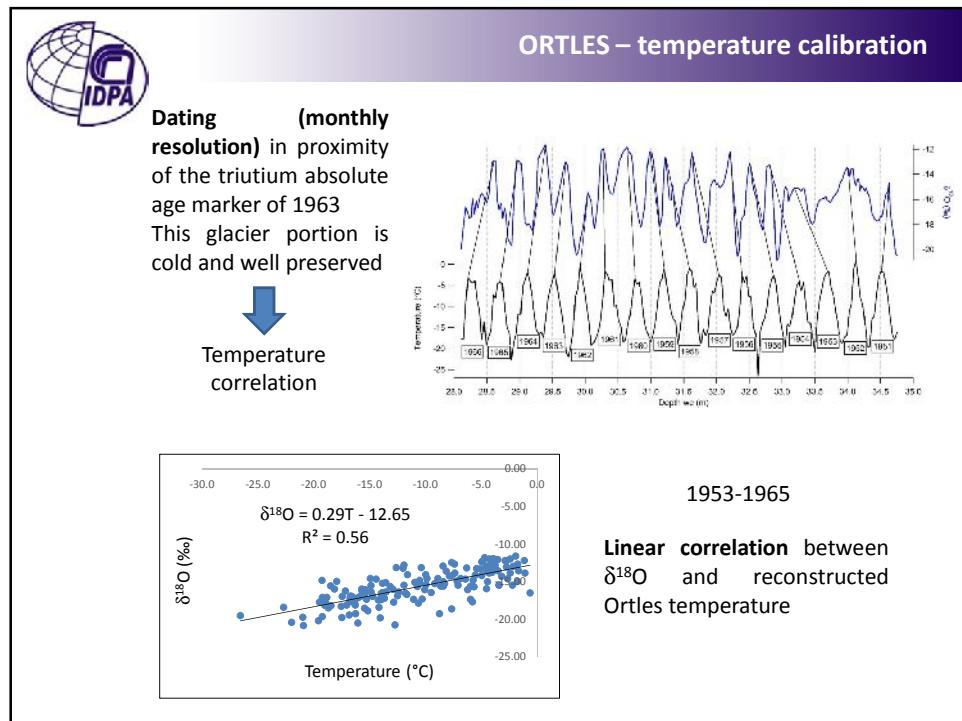


A photograph of a large, rugged mountain peak, likely Mount Ortles, with extensive snow and ice coverage. A red arrow points to a specific area on the upper left side of the mountain, indicating the location of the Vedretta Alta glacier.

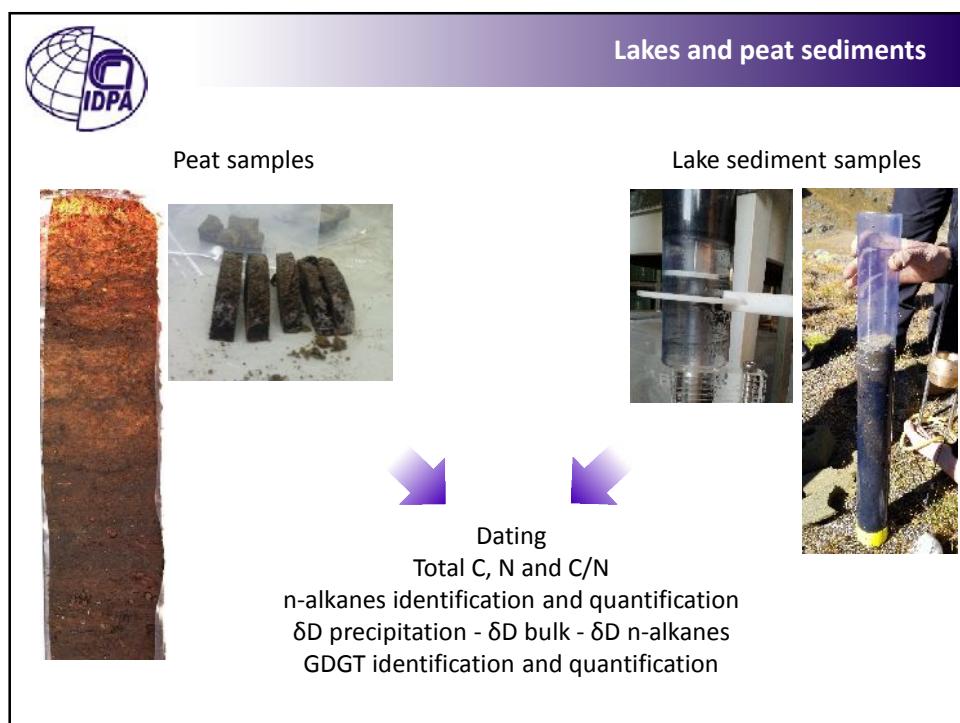
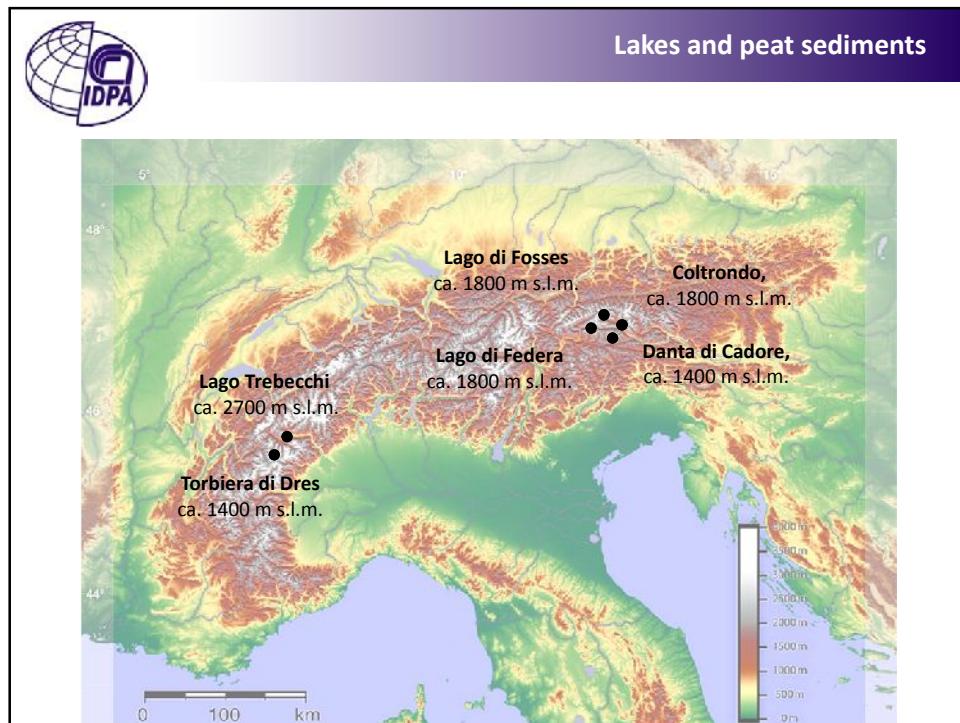
Vedretta Alta	Climatology
Surface (2006): 105 ha	Precipitation (valley floor, 1900 m): 750 mm y⁻¹
Maximum elevation: 3905 m	Annual air temperature (3850 m): -9° C
Minimum elevation: 3018 m	
Average elevation: 3535 m	
Exposure: NW	
Average slope: 29°	











Lipidic biomarker

IDPA

Hydrological evolution and quantitative estimates of hydrological variables such as precipitation, relative humidity and temperature to better understand of regional climatic changes and hydroclimatic variability

Surface of a abaxial leaf of a pea (5000x magnified), clearly showing the presence of epicuticular waxes

Surface of a wax-free abaxial leaf of a beetroot (4000x magnified)

n-alkanes, n-alkanes δD and GDGT

The analytical approach

IDPA

n-alkanes
Extraction, Purification & Analyses

