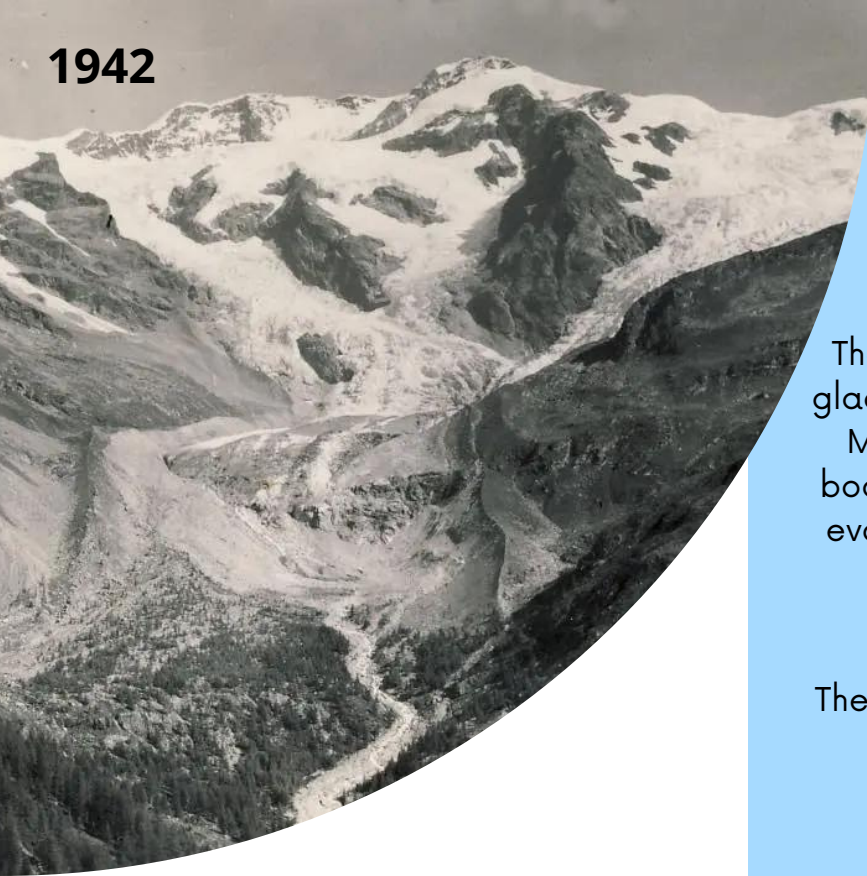


1942

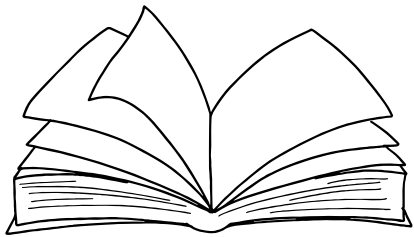


## A DRILLING EXPEDITION ON THE COLLE DEL LYS GLACIER

The Colle del Lys Glacier is one of the glaciers that make up the Lys Glacier on Monte Rosa and is an extraordinary book to be explored to learn about the evolution of climate over the past 150-200 years

The entire Lys Glacier is at risk: by 2100, it could lose 91% of its ice.

Extracting an ice core from Colle del Lys and transferring it to our "natural refrigerator," Antarctica, will allow us to protect the information contained in the glacier and preserve the Planet's climate memory for future generations of scientists



Each glacier is a climate library: its layers can be read like pages in a book, and the information tells us about past climate

**4155 m**  
drilling site altitude

**45° 54.54' N, 7° 50.5' E**  
Coordinates

**Monte Rosa**  
Valle d'Aosta



2017





Project leaders



in the framework of



project partners



Ca' Foscari  
University of Venice



ISTITUTO NAZIONALE DI  
GEOFISICA E VULCANOLOGIA



Forte di Bard



FONDAZIONE  
MONTAGNA SICURA  
MONTAGNE SÛRE

with the support of



MONTEROSA  
SKI

and



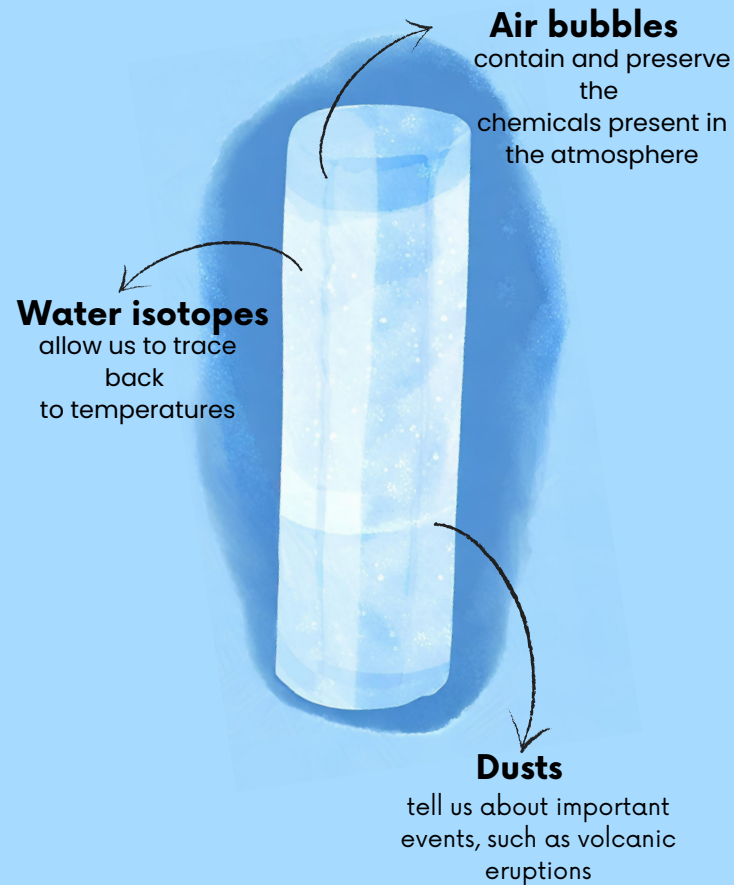
trekking & outdoor footwear



(R)evolutionary

## Studying climate with ice cores

Ice cores, cylinders about 10 cm in diameter extracted from glaciers, help us study the climate signals that have been trapped and preserved in the ice over the centuries



14th October 2023  
Forte di Bard, Bard

## ICE MEMORY: SAVING THE MEMORY OF GLACIERS

Colle del Lys expedition