



***Layers
upon layers,
centuries
upon centuries,
millennia
upon millennia,
falling snow is
enriched with
particles,
gradually forming
glaciers, trapping
air bubbles.***

***Glaciers tell us a
unique story of
past climates and
environments.***

Ice Memory Illimani operation, Bolivia, 2017
© Bruno Jourdain, ICE, FLGA



***Understanding
the past allows us
to anticipate the
future.***

***Thanks
to ice cores,
scientists are
mapping out
how the Earth
environment
and temperatures
vary over millennia.***

***This invaluable
knowledge
guides our
political decisions
worldwide.***

Ice Memory Elbrus operation, Russia, 2018
© Sarah Del Ben, Ice Memory Foundation - Aster Production



***But today,
glaciers are
shrinking
at rates we've
never seen before.***

***Their unique
scientific and
cultural heritage
is disappearing
fast and forever.***

Ice Memory Svalbard operation in Arctic, Norway 2023
© Ricardo Selvatico - Ice Memory Foundation / CNR



The Ice Memory Foundation is collecting ice cores from 20 endangered glaciers around the world in 20 years. Half of them have already been collected

Ice Memory Illimani Operation, Andes - Bolivia, 2017

On the Illimani glacier in Andes, the drilling has been operated at 6,300 m. altitude. Two ice cores of 134 and 137 m length have been collected. Each contains about 18,000 years of climate and environmental history. One will be dedicated to science today, and one will be an Ice memory heritage core, preserved in the Ice Memory sanctuary for centuries.

Ice Memory Illimani Operation, Andes - Bolivia, 2017 © Sarah Del Ben, Ice Memory Foundation - Aster Production



**The
Ice Memory
Foundation
is leaving the
world a legacy
of ice cores.**

**Ice Memory
Arctic Operation 2023,
Svalbard - Norway**

The Ice Memory Svalbard team succeeded just in time in saving Arctic climate heritage despite having been endangered by unexpected meltwater on the *Holtedahlfonna* ice field.



*Interview with the
expedition leader,
Andrea Spolaor,
Paleoclimatologist &
Snow chemist, CNR -
Italy*



2:45

Ice Memory Svalbard operation in Arctic, Norway, 2023
© Riccardo Selvalico - Ice Memory Foundation / CNR

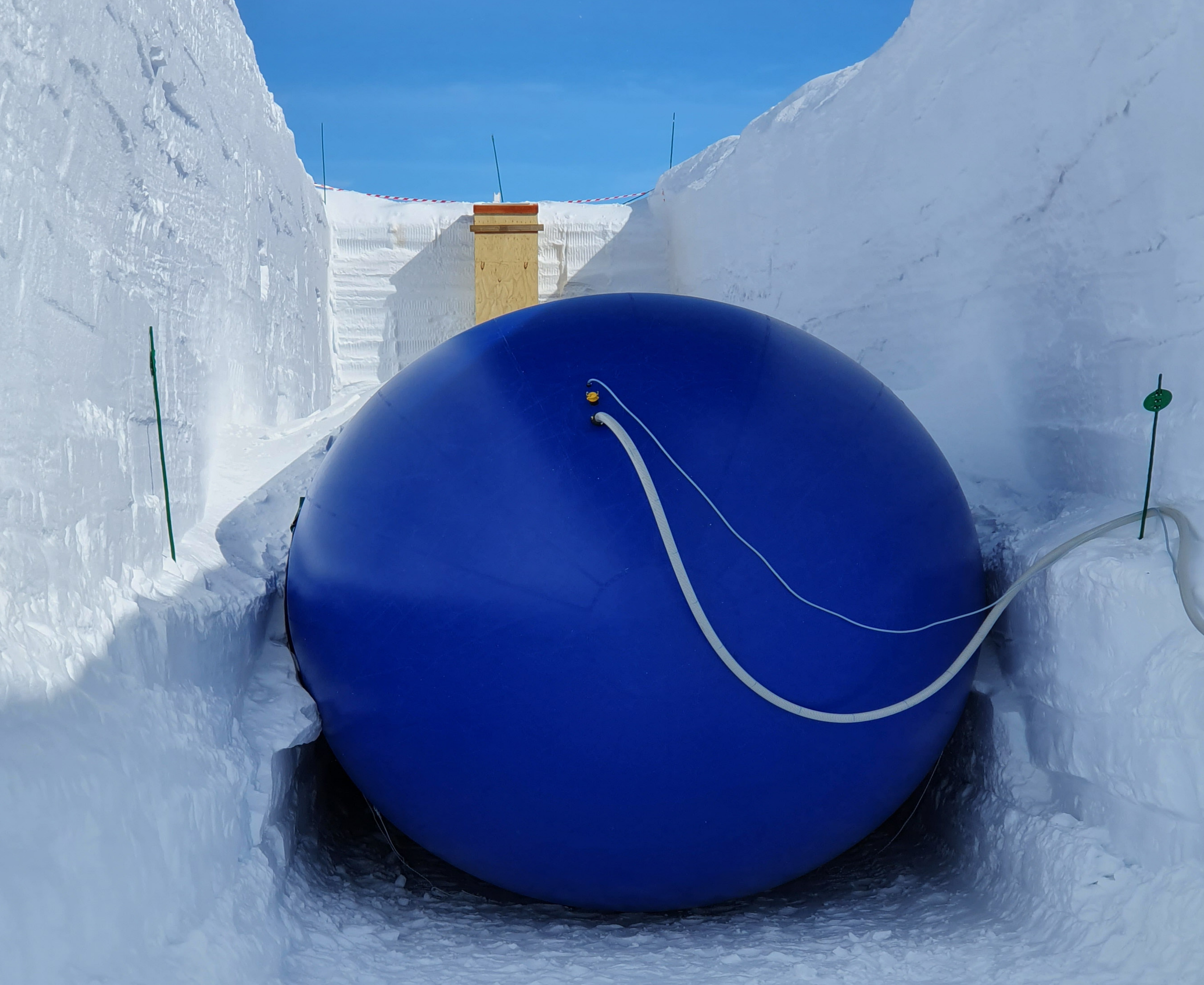


We'll preserve this frozen heritage in a dedicated sanctuary, in Antarctica, a land of peace and science.

This unique sanctuary will protect hundreds of ice cores.



A convoy en route to Concordia Station, Antarctica
© Thibaut VERGÈZ - French Polar Institute



The Ice Memory Sanctuary, a natural and long-term storage

A dedicated snow cave will be built at the Concordia station, the only international station on the Antarctic Plateau - operated by the French Polar Institute (IPEV) and the Italian Polar Research Programme (PNRA).

The Ice Memory Sanctuary should be available for the first Ice Memory cores in 2025-2026.

At the Concordia Station

Interviews with Nicolas Caillon, Research Engineer - CNRS, and Deputy Director of the Institut des géosciences de l'environnement, IGE, CNRS/IRD/UGA - France.

1:26



Where the ice cores will be stored?

1:41



How do we build the sanctuary?

First Ice Memory Sanctuary test in Concordia 2021
© Rocco Ascione - ENEA



Ice Memory Elbruz operation, Russia, 2018
© Sarah Del Ben, Aster Production - Ice Memory Foundation



***Our hope is
that the
Ice Memory
Heritage
will serve the
lives of our
children and
grandchildren,
and next
generations.***

Ice Memory Col du Dôme Operation, Alps - France, 2016
© Sarah Del Ben, Ice Memory Foundation - Aster Production



***We are the last
generation who
can act.***

***It's a responsibility
we all share.***

Ice Memory Col du Dôme Operation, Alps - France, 2016
© Sarah Dell Ben, Ice Memory Foundation - Aster Production

ICE
MEMORY
Sheltered by
UGA Foundation



***Let's come
together to create
a lasting legacy.***

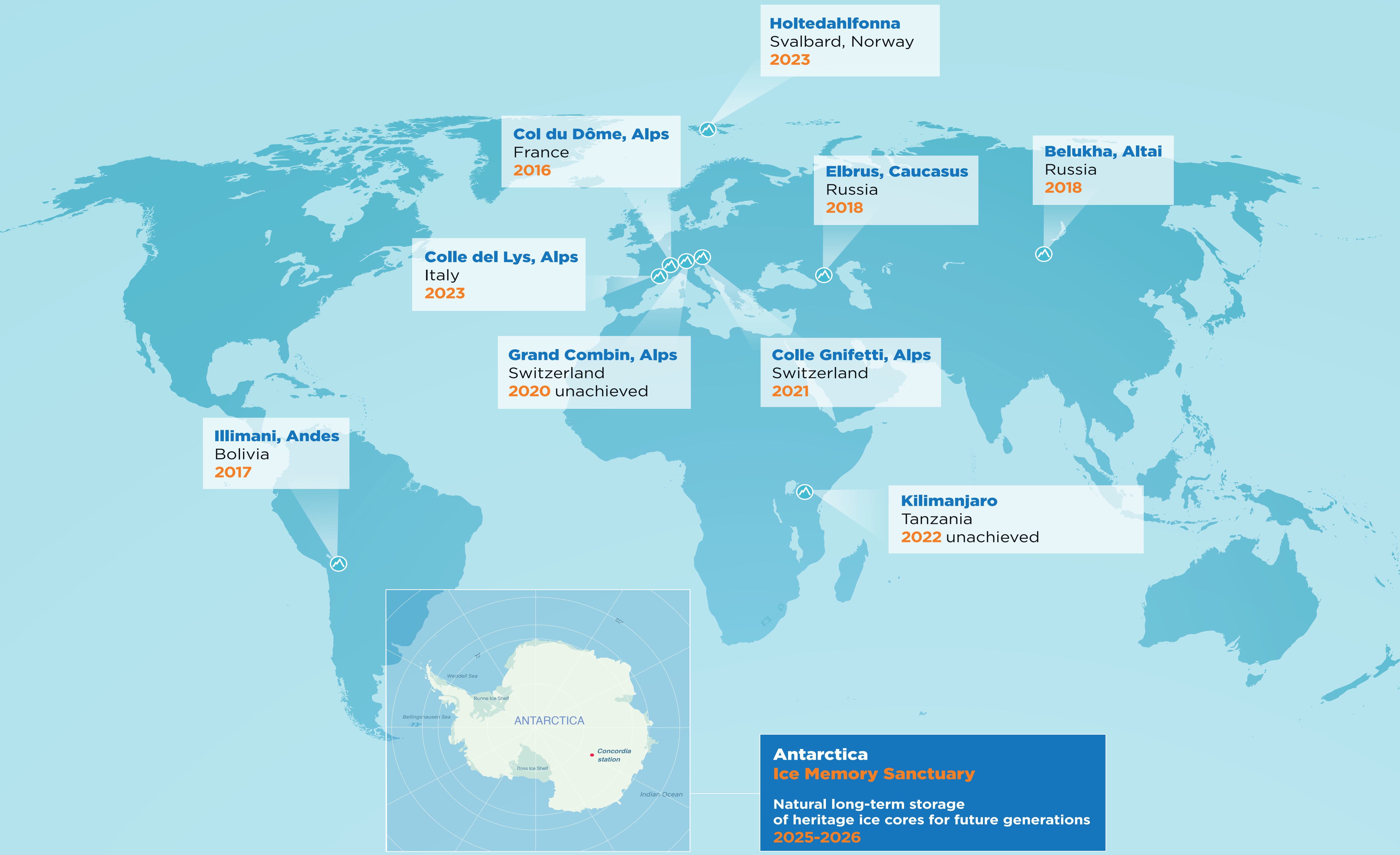
***Join us,
and be part of the
Ice Memory,***

***today, tomorrow,
and forever.***

Ice Memory Svalbard operation, 2023
© Riccardo Selvatico - Ice Memory Foundation / CNR

**ICE
MEMORY**
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ICE MEMORY | 2016-2024 PERFORMED DRILLING OPERATIONS



Ice Memory targeted glaciers

- Ⓐ **USA, Canada**
Saint Elias Mountains
Eclipse Icefield
- Ⓐ **Peru, Argentina**
Andes plateau
- Ⓐ **Australia**
Heard island
- Ⓐ **Tajikistan, Pakistan, China**
Himalayas Mountains
Pamir, Kunlun, Qilian,

A number of additional sites are currently being investigated.

Preserve the ice memory for future generations

Join us
Support **now**
the Ice Memory
Foundation



SCAN
THE QR-CODE
TO DONATE
ONLINE

Your donation will help to fund

- 1/ Collecting ice cores, still 12 glaciers around the world missing
- 2/ Sharing of reference ice core dataset with scientists today and in coming decades and centuries
- 3/ Safeguarding the ice cores heritage in a dedicated sanctuary in Antarctica
- 4/ Developing of a sustainable governance of the ice core collection
- 5/ Raising awareness among decision-makers and citizens.



ice-memory.org

Follow
Ice Memory
Foundation



Created by seven major French, Italian, and Swiss scientific institutions, the Ice Memory Foundation aims to unite scientific and political institutions, at a global level to lead the collective efforts.

Thank you to our amazing and loyal partners, who are committed to preserving the ice memory for future generations.

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