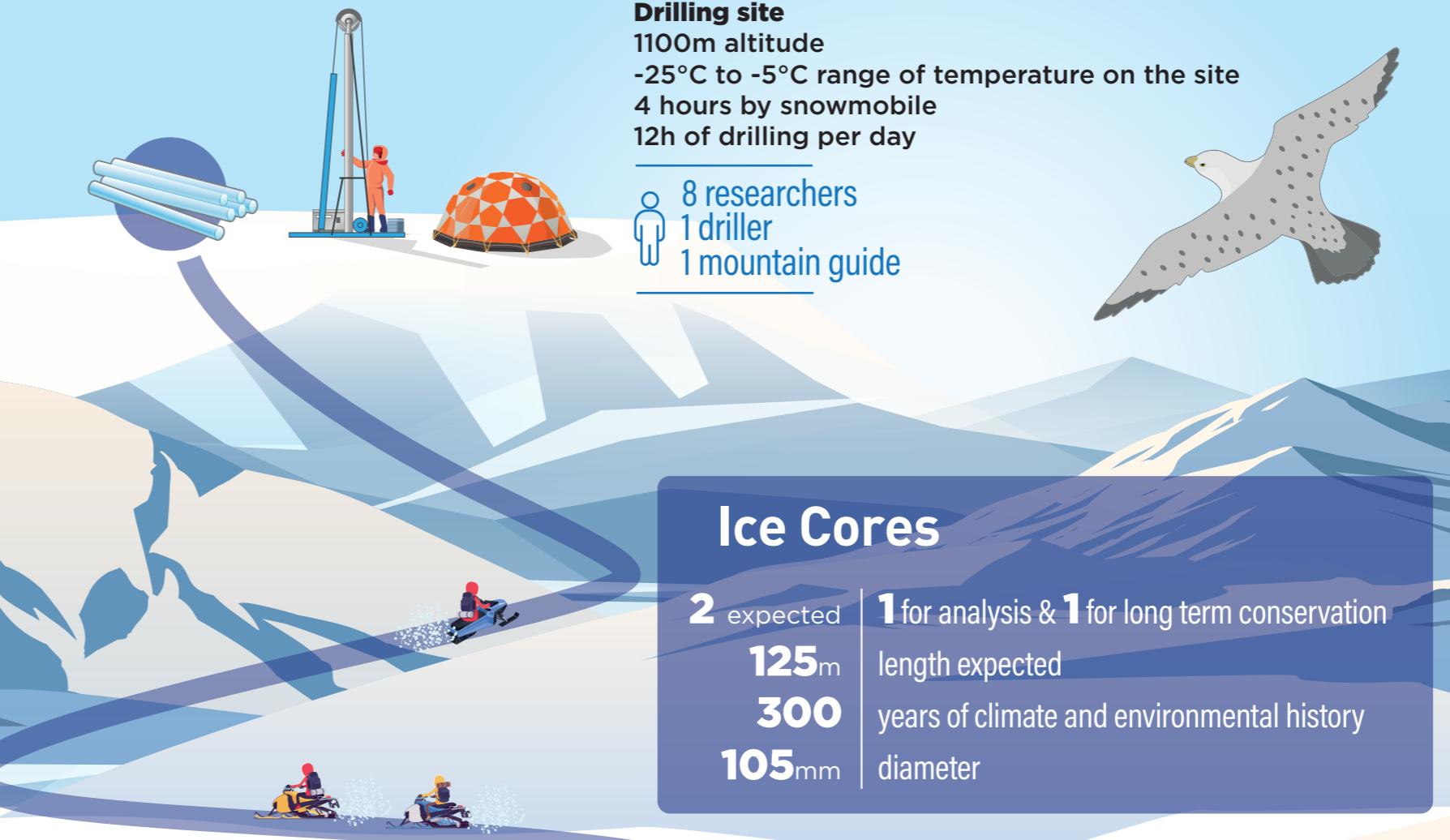


A month in the deep North: the challenges of the ice cores extraction

Holtedahlonna's Ice Field

300 km² largest ice field on north-western Spitsbergen
-11 °C average annual air temperature (1992-2020)
+4/5 °C temperature increase during the last 40-50 years
2005 previous ice core drilling



Ice Cores

2 expected
125m length expected
300 years of climate and environmental history
105mm diameter

1 month: expected duration of the operation from drilling to storage



Journey of the ice cores

- Ny-Alesund to Longyearbyen - Norway
- Longyearbyen to Brest - Norway to France
- Brest to Grenoble - France
- Grenoble to Venice - France to Italy
- **Shipping to Antarctica in 2024-2025**



Headquarters in Ny-Ålesund station
Storage of the ice cores in a refrigerated container until transport to Europe

