



This project has received funding from the European Union's Horizon 2020 research and innovation programme under the Marie Skłodowska-Curie grant agreement No 955750.



## DEEPICE Understanding deep ice core proxies to infer past Antarctic climate dynamics

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### A European research and training network

DEEPICE is an **innovative training network** in instrumentation, ice core analysis, statistical tools and glaciological and climatic modelling.

Through its training program, DEEPICE will prepare a new generation of **15 early stage researchers** for a career in the academic or non-academic sector to work on **climate change and glaciology**. In addition, they will gain experience in communication about climate change, in particular climate change affecting the polar regions.

11 countries

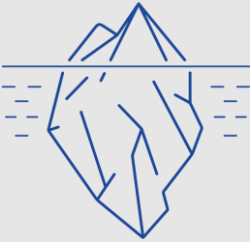
1 January 2021 - 31 December 2024



4 166 057 €

H2020 Marie Skłodowska-Curie Actions -  
Innovative Training Networks

### Preparing the exploitation of a 1.5 million year ice core



Created by Oleksandr Panasovskyi  
from Noun Project

DEEPICE early stage researchers and scientists will develop **new analytical, statistical and modelling approaches** in order to exploit the unique 1.5 Ma archive that will be extracted from the **Beyond EPICA ice-core drilling** at Little Dome C in Antarctica in 2025.

These new techniques and approaches will be crucial in **achieving the best scientific output** from the Beyond EPICA ice core, by precisely analysing very small quantities of ice and translating the proxies into climate and environment parameters.

The measurement results related to atmospheric greenhouse gas concentration changes and climate change will also be confronted to climate model simulations in order to **improve our understanding of the physical processes**.

### 10 Beneficiaries and 11 Partner Organisations

*Coordinator* - CNRS (France)

*Beneficiaries* - Alfred Wegener Institute (Germany), University of Bergen (Norway), University of Bern (Switzerland), Utrecht University (Netherlands), Ca' Foscari University of Venice (Italy), Free University of Brussels (Belgium), University of Copenhagen (Denmark), University of Lund (Sweden), UK Research and Innovation - British Antarctic Survey (UK)

*Partner organisations* - TOFWERK AG (Switzerland), Past Global Changes (Switzerland), Schäfter & Kirchhoff GmbH (Germany), University of Milano-Bicocca (Italy), Air Liquide (France), PICARRO (USA), University of Art London - Central Saint Martins (United Kingdom), Teledyne CETAC Technologies (USA), Risk Management Solutions (USA), Interscience BVBA (Belgium), AP2E (France)



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