



Università  
Ca'Foscari  
Venezia

**PROJECT ACRONYM AND TITLE:** DEEPICE - Research and training network on understanding Deep ice core Proxies to Infer past antarctic climate dynamics

**FUNDING PROGRAMME:** HORIZON 2020 – Excellent Science – MSCA – Innovative Training Networks, European Joint Doctorate

**CALL:** H2020-MSCA-ITN-2020

**HOST DEPARTMENT:** Department of Environmental Sciences, Informatics and Statistics

**SCIENTIFIC RESPONSIBLE:** Barbara Stenni

**FINANCIAL DATA:**

Project total costs	Overall funding assigned to UNIVE
€ 4.166.057,88	€ 261.499,68

**ABSTRACT:**

DEEPICE aims to train a new generation of European researcher (15 ESRs) working on scientific issues related to climate change in Antarctica by taking advantage of the unique scientific dynamic of the new European ice drilling "Beyond EPICA" which started in 2019 to extract a 1.5 million years old Antarctic ice core. The consortium gathers complementary expertise in instrumentation (for field conditions in extreme conditions or in the laboratory for the precise analysis of small ice samples), statistic tools as well as glaciological and climatic modeling from 10 different countries. The ESRs will carry out their individual research projects with a focus on an analytical or modeling subject in a strong interdisciplinary and intersectoral environment keeping in mind the importance of a combined data-model approach and with an active participation in science mediation in the field of climate change. The DEEPICE project will set up an innovative training program allowing the trained ESRs to acquire essential core and additional skills in instrumentation, ice core analysis, statistics and modeling, as well as a wide range of soft skills fostering their career perspectives. Especially, a thematic school will allow students to get in touch with different scientific mediators, publishers, journalists and political advisers. The research and training program gives an important place to scientific mediation and communication of obtained results to the general public and more specific stakeholders. After having completed the training, DEEPICE's ESRs will be fully equipped for engaging in academic and non-academic careers related to glaciology, climate change, geophysics and instrumentation in geoscience.

Planned Start date	Planned End date
1 <sup>st</sup> January 2021	31 <sup>th</sup> December 2024

**PARTNERSHIP:**

1 Centre National De La Recherche Scientifique CNRS	France	Coordinator
2 Università Ca' Foscari Venezia	Italy	Partner
3 Universite Libre de Bruxelles	Belgium	Partner

<b>4</b>	<b>Universitaet Bern</b>	<b>Switzerland</b>	<b>Partner</b>
<b>5</b>	<b>Universitetet I Bergen</b>	<b>Norway</b>	<b>Partner</b>
<b>6</b>	<b>Alfred-Wegener-Institut Helmholtz-Zentrum Fur Polar - Und Meeresforschung</b>	<b>Germany</b>	<b>Partner</b>
<b>7</b>	<b>Universiteit Utrecht</b>	<b>Netherlands</b>	<b>Partner</b>
<b>8</b>	<b>Lunds Universitet</b>	<b>Sweden</b>	<b>Partner</b>
<b>9</b>	<b>United Kingdom Research and Innovation</b>	<b>United Kingdom</b>	<b>Partner</b>
<b>10</b>	<b>Kobenhavns Universitet</b>	<b>Denmark</b>	<b>Partner</b>

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