



# BARBARA DELMONTE

Researcher, glaciology & paleoclimate

## SHORT CV

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Born in Rome  
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I am permanent researcher in Glaciology and Paleoclimate at the University Milano-Bicocca since 2008. After my M.Sc. (Laurea) in Environmental Sciences at the University of Milan (1998), I got my Ph.D. in Polar Sciences (2003) at the University of Siena-Université Joseph Fourier, Grenoble I (co-agreement Italy/France).

I took active part in different research projects related to ice core science in polar regions and paleoclimate. Among these, the EPICA (European Project for Ice Coring in Antarctica) project (winner of the "Descartes Prize 2007" for Collaborative Transnational Research), the EU EPICA-MIS (Enhanced Palaeoreconstruction and Integrated Climate Analysis through Marine and Ice core Studies) project, the TALos Dome IcE core (TALDICE) project (winner of the "Biodiversity Prize 2010" for environmental studies in Antarctica). I was local coordinator of a PRIN2009 project founded by MIUR, of a PEA2009 project "IPICS-2k-Italy" (PNRA), PEA2013 project "IPICS-2k-It second phase: climate reconstruction" (PNRA) and PNRA16\_OPTAIR (ongoing). I am currently National coordinator of the PNRA16\_00008 project SOLARICE. I got 4 Individual Projects SYNTHESYS (European Union-funded Integrated Activities grant).

I have been working on ice cores since about year 1998, focusing on aeolian mineral dust and volcanic particles from different polar and non-polar ice cores as well as sediment samples from dust deflation areas worldwide. My research is mostly focused on paleo-atmospheric circulation variability in polar regions, paleo-aridity, and dust/tephra source fingerprinting through the use of many different (mainly geochemical and mineralogical) tracers.

I won the "Prince of Asturias" Award (Scientific Committee for Antarctic Research) and the « Prix André Prud'Homme » awarded by the Société Météorologique Française with Météo-France.

At the moment I am coauthor of more than 85 scientific papers with 4630 citations (source: Scopus, Feb 2020). I am contributing author to the Intergovernmental Panel on Climate Change (IPCC) 2013 Fifth Assessment Report (AR5) - WGI Report I ("The Physical Science Basis") - Chapter 5 "Information from paleoclimate archives".