



# Ash&Dust 2026

## Analytical tools for the study of tephra layers, dust and loess deposits



19<sup>th</sup>– 20<sup>th</sup> October 2026

DEPARTMENT OF EARTH AND ENVIRONMENTAL SCIENCES  
University of Milano-Bicocca, Italy

**Samuel Albani, Sergio Andò, Claudio Artoni, Marta Barbarano, Katja Bohm,  
Roberto Comolli, Barbara Del Monte, Chiara Ferrè, Mara Limonta,  
Marco Rabassi, Alberto Resentini, Giovanni Vezzoli**

*Laboratory for Sediment Provenance Studies and EUROCOLD Laboratory - University of Milano-Bicocca  
Department of Geosciences and Geography, University of Helsinki, Finland*

**19<sup>th</sup> October, Monday - Piazza della Scienza 3, building U3, ground floor, room U3-10**

- 08.30 → 09.15 Registration
- 09.15 → 09.30 Sergio Andò (University of Milano-Bicocca - Italy)  
*"Welcome and presentation of the meeting"*
- 09.30 → 10.30 Thomas Stevens (Uppsala University - Sweden)  
*"Why loess source matters: environmental drivers and climate impacts of aeolian dust production"*
- 10.30 → 11.00 Yunus Baykal (Technical University of Denmark - DTU)  
*"Ice sheets and dust: Provenance and chronology of last glacial loess in Europe"*

**11.00 - 11.30 Coffee break**

- 11.30 → 12.00 Gábor Újvári (HUN-REN Research Centre for Astronomy and Earth Sc. - Hungary)  
*"Last glacial dust in central Greenland ice cores: potential sources in the light of isotope geochemical tracers"*
- 12.00 → 12.30 Katja Bohm (University of Milano-Bicocca - Italy)  
*"Atmospheric mineral dust properties and provenance in East Asia"*
- 12.30 → 13.00 Samuel Albani (University of Milano-Bicocca - Italy)  
*"Observationally-constrained reconstructions of the global dust cycle with Earth System Models and resulting climate impacts"*





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**20<sup>th</sup> October, Tuesday** - Piazza della Scienza 3, building U3, ground floor, room U3-10

09.00 → 09.30 Registration

09.30 → 10.30 Nick Pearce (Aberystwyth University - UK)

*"Ashes to ashes: turning tephra into a geological chronometer and  
petrogenetic and provenance tool"*

10.30 → 11.00 Mara Limonta (University of Milano-Bicocca - Italy)

*Single quartz  $\delta^{18}\text{O}$ : a new frontier in the source-to-sink study  
(Bengal Fan record, IODP Expedition 354)*

**11.00 - 11.30 Coffee break**

11.30 → 12.00 Giovanni Muttoni (Università degli Studi di Milano, Italy)

*"Magneto-chronology of Eurasian Loess"*

12.00 → 12.30 Barbara Del Monte (University of Milano-Bicocca - Italy)

*"Aeolian dust in ice cores in Antarctica"*

12.30 → 13.00 Marco Rabassi (University of Milano-Bicocca - Italy)

*"Raman non-destructive Ice cores analysis of visible Tephra layers in Antarctica (RITA)"*

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