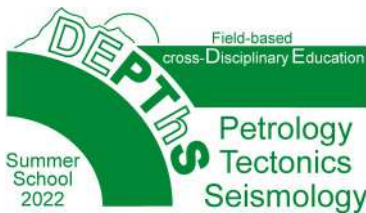




PHOTO - COURTESY OF PARCO DEL MONVISO

DEPARTMENT OF EARTH AND ENVIRONMENTAL SCIENCES



DEPTHS: Field-based summer school on subduction forearc dynamics

PROGRAM DESCRIPTION

Subduction zones are of primary importance for understanding the interactions between the Earth's surface and the deep levels of the planet and assessing the potential implications for the climate. The second edition of the international Summer School "DEPTHS" aims to **analyze the dynamics of subduction forearcs through a highly multidisciplinary approach**, with particular emphasis on exhumation processes and the deep carbon cycle. The course is aimed primarily at PhD students in the various fields of Earth Sciences. It includes one day of classroom lectures in Milan and four days of field lessons based on geological observations along key transects across the Western Alps, one of the best-studied fossil subduction zones on Earth. Lectures will integrate petrological, tectonic, and stratigraphic evidence along the analyzed transects with the results of recent geophysical experiments on the deep tectonic structure of the Alps.

Lectures will be held by **geologists, petrologists, and seismologists** from University of Milano-Bicocca, ISTERre Grenoble, University of Torino, and Syracuse University NY, who will interact all together with the students in the classroom and in the field while hiking and discussing in front of intellectually stimulating outcrops in the breathtaking alpine landscape.

PLACE AND TEACHING METHOD

1 July: Classroom lectures at the University of Milano-Bicocca. From 2 to 5 July: Lessons in the field in various locations in the Western Alps (Aosta, Vairaita, Po and Bormida valleys).

DATES

JUL 1 - 5, 2022

CREDITS

3 ECTS

TUITION

€ 300

INCLUDES TRAVEL, BOARD, AND MOST LODGING EXPENSES FOR THE ENTIRE DURATION OF THE COURSE. THE REGISTRATION FEE DOES NOT INCLUDE TRANSPORT COSTS TO REACH MILAN

APPLICATION DEADLINE

9 MAY 2022

LOCATION

MILAN AND WESTERN ALPS (AOSTA, VARAITA, PO AND BORMIDA VALLEYS)

CONTACT

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PREREQUISITES

Twenty places are available. Priority will be given to PhD students. In case of availability, participation will also be open to early career scientists. Thanks to the financial support of the University of Milano-Bicocca, **three full fee waving places** are made available to candidates holding refugee status or coming from low-income or lower-middle-income economies according to the [country list provided by the World Bank](#). Candidates will be selected based on the relevance of their doctoral project with the contents and multidisciplinary nature of the course, also considering the need to ensure equal representation of gender and nationality.

HOW TO ENROLL

YOU ARE REQUIRED TO ENROLL THROUGH THE ONLINE APPLICATION FORM. EVERY PROGRAM ON [HTTP://WWW.SUMMERSCHOOLBICOCCA.COM](http://www.summerschoolbicocca.com) HAS AN **APPLY NOW** SECTION IN ORDER TO ACCESS TO THE APPLICATION. AFTER RECEIVING THE SELECTION NOTIFICATION, YOU WOULD BE REQUIRED TO PAY THE COURSE TUITION FEE WITHIN A SPECIFIED PERIOD. PLEASE FOLLOW THE SECTION **FEES & PAYMENT** ON OUR SUMMER SCHOOL WEBSITE FOR UNDERSTANDING THE PAYMENT OPTIONS.

LOGISTICS

Transport by bus/minibus during the four days of field work. Dinner and overnight in hotels or mountain huts located in villages and small towns in the Western Alps, where attendees can find a range of different dining options (the dinner of the 3rd of July is included in the participation fee). Field lessons will take place in a mountain environment at altitudes ranging from a few hundred meters to about 2500 meters above sea level (appropriate equipment required: hiking boots, warm clothes, waterproof jacket, mountain backpack).

WITH THE FINANCIAL SUPPORT OF



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<https://summerschoolbicocca.com/22-DEPTHS.php>

