

Introduction to subfossil invertebrates from lake sediments: a laboratory-based school

15th-17th November 2021

Dept. Earth and Environmental Sciences, University of Milano Bicocca Piazza della Scienza 1, 20126 Milano

<https://www.disat.unimib.it/en> - email: school.subfossil2021@gmail.com



Alona guttata

Chironomidae



Habrotrocha angusticollis

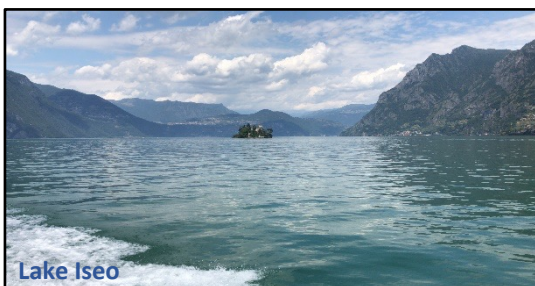
Description

In the age of changing climate, it is extremely important to understand and predict climate changes and to implement measures that could minimize the negative effects of human economic activity leading to a climate warming. Paleolimnology is one of the main tools used in the reconstruction of climatic conditions prevailing in the Quaternary.

The main objective of the International Autumn School is the presentation of paleoecological methods to study the sediments of lakes as well as other lentic environments. All participants are invited to join to laboratory (chemical lab and microscope lab) and learn about the scientific usefulness of invertebrates remains (e.g., shell, head, resting egg and chitinous parts) deposited in freshwater sediments.

Participants will learn:

- theoretical knowledge on paleoecological methods;
- techniques to separate Invertebrate remains from lacustrine sediments;
- techniques to collect remains and to make microscope slides;
- taxonomical identification of Rotifera, Cladocera, and Chironomidae remains (classification, if possible, down to a species level);
- basic techniques of paleolimnological data analysis.



Lake Iseo



Cladocera headshield
of *Bosmina* (E.) *longispina*

Lectures

Prof. Barbara Leoni
Dept. Earth and Environmental
Sciences, Univ. Milano-Bicocca

Prof. Edyta Zawisza
Institute of Geological Sciences,
Polish Academy of Sciences

Prof. Agnieszka Pocięcha
Institute of Nature Conservation,
Polish Academy of Sciences

Registration

Till 5th of November 2021.

The course is aimed to graduated students and researchers.

Fee: 50 € (include: all materials, coffee-breaks, lunches, 'apericena').
Maximum number of participants 20.

Schedule

Mon. 10:00 - 17:30

Tue. 9:00 - 17:30

Wed. 9:00 - 15:00

For Registration use :

<https://tinyurl.com/8js9r9k9>



Registration also available at:

https://docs.google.com/forms/d/e/1FAIpQLSe8hP4J1PwZo1x2M-qDnBp1sSd4RHMvMKnipsm16RwaqPtCQ/viewform?usp=sf_link