

WORKSHOP

THE ANTHROPOCENE: A NEW EPOCH FOR THE EARTH, A NEW CHALLENGE FOR HUMANITY

A transdisciplinary approach to the theoretical, practical aspects of sustainability

11-12 November 2021

Auditorium U12 - Guido Martinotti, Via Vizzola 5, Milano

Introduction

The Anthropocene is a new geological Epoch, marked by an indelible human footprint. Human activities alter climate regulation, biogeochemical cycles, biodiversity, geomorphology, habitat and landscapes. The new phase of the Earth system requires humanity to be aware of facing a new challenge, in which it is necessary to integrate geological and ecological knowledge with social, economic and political knowledge. Although some of the questions related to the Anthropocene are still open, the topic is starting to be the subject of specific scientific journals and university courses. The study of the Anthropocene, in fact, requires transdisciplinarity. Lessons from the past allow us to identify similarities and differences in the present age. Observing the different subsystems of the Earth allows us to understand the complexity of the problems and at the same time to identify solutions that can be effective. This workshop aims to offer a complete view of the Anthropocene, and to offer participants the unique opportunity to interact in a team of experts and participants from different cultural backgrounds.

Attendance

The maximum number of attendants in the Auditorium is 92. To attend the workshop at the Auditorium, please register at: <https://forms.gle/XPeJeq51SKwNZJVx6> . The deadline for the registration is 5 November 2021

The event will be also broadcast on Youtube at the following links:

Thursday - 11/11/2021 – morning: <http://s.unimib.it/anthropocene11mat>

Thursday - 11/11/2021 – afternoon: <http://s.unimib.it/anthropocene11pom>

Friday – 12/11/2021 – morning: <http://s.unimib.it/anthropocene12>

REGISTER HERE



PROGRAM

THURSDAY - 11/11/2021

8.45 – 9.00 **Official opening by Andrea Zanchi – Director of the Dept. of Earth and Environmental Sciences, University of Milano Bicocca; Maria Luce Frezzotti - Coordinator of the PhD School, University of Milano Bicocca**

9.00 – 9.45 **Donato Giovannelli (University Federico II, Napoli) – “The History of the Earth: Geosphere-Biosphere coevolution through time”**

9.45 – 10.30 **Emilio Padoa-Schioppa (University of Milano Bicocca) – “The epoch of environmental surprises”**

10.30 – 11.00 **Break**

11.00 – 11.45 **Elisa Malinverno (University of Milano Bicocca) – “The geological bases of the Anthropocene and Paleoclimates of the Earth”**

11.45 – 12.30 **Stefano Malatesta (University of Milano Bicocca) – “Human geography of small islands: the challenges of the Anthropocene”**

12.30 – 14.00 **Lunch offered at University Canteen**

14.00 – 14.45 **Paola Quatrini (University of Palermo) – “Anthropogenic impact and climate change in the Mediterranean area: the case of the Pelagic islands”**

14.45 – 15.30 **Giovanni Zambon (University of Milano Bicocca) – “Eco-Acoustic indicators for the characterization and the evaluation of environmental quality”**

15.30 – 16.15 **Luca Zoia (University of Milano Bicocca) – “Lignin BioGeoChemistry and Climate Change”**

16.15 – 16.30 **Q&A**

FRIDAY - 12/11/2021

9.00-9.45 **Paco Melia (Politecnico Milano)– “The anthropogenic metabolism: industrial ecology”**

9.45 – 10.30 **Ioannis Vogiatzakis (University of Milano Bicocca) – “Ecosystem Services a new path to Sustainability?”**

10.30 – 11.00 **Break**

11.00 – 11.45 **Heiko Lange (University of Milano Bicocca) – “How to turn chemistry sustainable”**

11.45-12.30 **Francesca Malfatti (University of Trieste) – “Microscale microbial structuring of marine ecosystems in the sediment-water-sea spray aerosol continuum in the Anthropocene.”**