

Do you really know the planet you are living on?
Basics of Earth Science in the everyday-life for a sustainable future.

25th to 29th September 2023, University of Pavia

Contact: Chiara Amadori, chiara.amadori@unipv.it

20 hrs total.

In-class lectures (15 hrs):

- Earth Planet. How do we know so much about its long history? (2 hrs, on 25th Sept. morning) – Chiara Amadori and Prof. Alessio Sanfilippo;
- What do you drink? The Water Cycle. (2 hrs, on 25th Sept. afternoon) – Luca Colombera;
- What are we made of? The Carbon Cycle. (2 hrs, on 26th Sept. morning) – Chiara Amadori and Luca Colombera;
- What is inside your cellphone? Mineral resources and their future applications. (2 hrs, on 26th Sept. afternoon) – Prof. Matteo Maino;
- Earth is alive. Natural hazards versus Society. (2 hrs, on 27th Sept. morning) – Proff. Giovanni Toscani and Alessio Sanfilippo;
- The climate change is today. (2 hrs, on 27th Sept. afternoon) – Prof. Nicoletta Mancin;
- Geology in visual art and literature. (1.5 hrs, on 28th Sept. morning) – Chiara Amadori;
- Geology in food (and wine). (1.5 hrs, on 28th Sept. afternoon) – Chiara Amadori.

Field trip through Pavia city center and along Ticino River (3 hrs, on 29th Sept. morning). This activity will let the students see and understand the influence of geological processes on the Pavia city map. Ticino River shaped the morphology of the area and it is still the perfect laboratory for studying physical and chemical processes in action.

Final test on September 29th afternoon (2 hrs). PhD students will be asked to answer open and/or multiple-choice questions on the topics covered in class.