



UNIVERSITÀ DEGLI STUDI DI MILANO

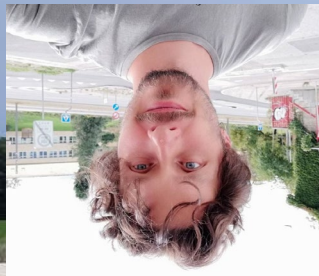
Corso di Dottorato in Scienze della Terra



**21/11/2022 – 24/11/2022 - Short course (4 cfu, 2×5 hours lectures + 2×10 hours in the field) –
Room 2051, Via Botticelli**

Dipartimento di Scienze della Terra “A. Desio”, via Mangiagalli 34, Milano

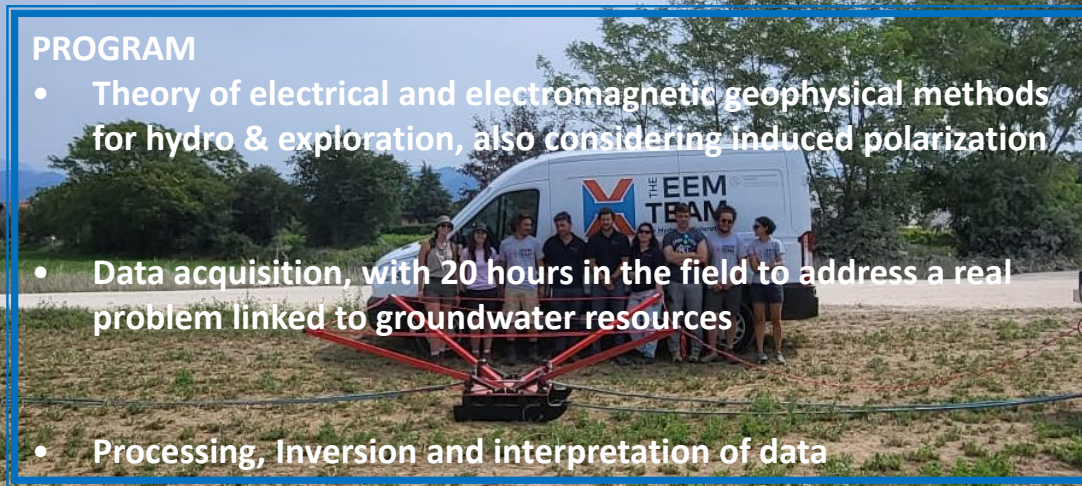
Electrical and Electromagnetic methods for Hydro & Exploration by Gianluca Fiandaca



**Prof. Gianluca
Fiandaca**
University of Milano

PROGRAM

- Theory of electrical and electromagnetic geophysical methods for hydro & exploration, also considering induced polarization
- Data acquisition, with 20 hours in the field to address a real problem linked to groundwater resources
- Processing, Inversion and interpretation of data



Per informazioni e iscrizione contattare:

Prof. Gianluca Fiandaca (gianluca.fiandaca@unimi.it)

Course schedule:

- 2 days lectures/exercises (5 hours each) (21-22/11/22)
- 2 days in the field, acquiring and processing data (23-24/11/22)

Intended learning outcomes:

- Understand the physical principles and the field of applicability of electrical and electromagnetic methods for the characterization of aquifers and mineral resources
- Learn to apply, at a basic level, the processing and inversion techniques for electrical and electromagnetic data
- Learn, at a basic level, the techniques of data acquisition

Assessment:

- written report and oral presentation

