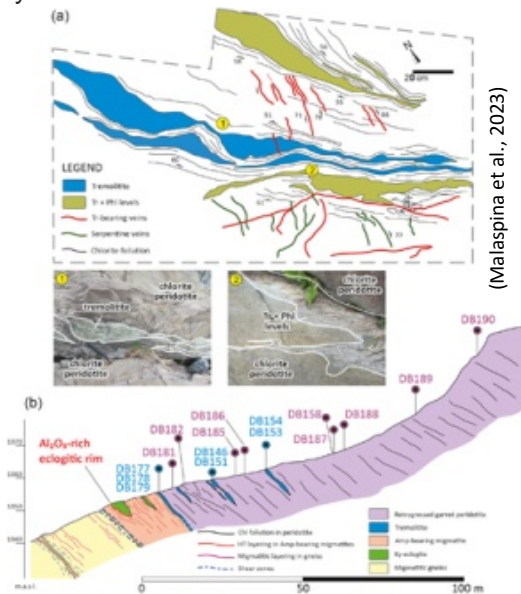


FLUID-MELT/ROCK INTERACTION AT SUBDUCTION ZONES

During this trip we will visit two different examples of **fluid interaction with melt and rock in subduction zones** which occurred under deformation regime related to Alpine orogeny.



PROGRAM

Day one: on June 22th, in the afternoon, meeting at Genoa.

Day two: on June 23th, **Erro Tobbio Unit** (Ligurian Western Alps – Gorzente. We will focus on the main structural and petrologic features related to **subduction dehydration of serpentized** oceanic mantle that was originally part of the Mesozoic Ligurian Tethyan Ocean. The general geology and the **exhumation** processes of the **high-pressure ophiolites** of western Liguria will be also discussed. Transfer to Domaso area.

Day three: on June 24th, **Borgo** outcrop (Italian Central Alps - Alto Lario. We will see a unique example of **high pressure melting** of a mafic crust and the direct interaction between melts and associated **garnet peridotites**. We will discuss how this location could represent a proxy of a **slab-mantle interface** during a **warm subduction** in the Alps. Transfer to Genoa.

COORDINATORS

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DATES

Post-Conference – POST-01

Starts: June 22, 2025 at 19:00 PM, at Genoa

Ends: June 24, 2025 at 18:00 PM, possible travel back to Genoa

NUMBERS OF PARTECIPANTS

Minimum: 15 | Maximum: 35

COST

Price per person: 350 Euro

(Travel accident insurance and medical coverage is not included)

PREREQUISITES

The field trip requires a medium level of mountain training, particularly to reach Borgo outcrop.

EQUIPMENT FOR INDIVIDUAL USE

Protective sun cream

Hiking boots are strongly recommended.

INCLUDED IN THE PACKAGE

Transfers from and to Genoa.

Meals: breakfast, pocked lunch, and dinner in local restaurants

Accommodation in double or triple rooms (one night in Genoa and one night in Domaso area).

