

Title: Partial melting and crustal differentiation: migmatites and granites of Northern Sardinia

Localities : Olbia and surroundings, Santa Teresa Gallura

Dates: 22-24 June 2025 (with arrival on the 22nd afternoon/evening in Genova)

Day one: we will leave Cagliari in the morning of Sunday the 22nd of June and visit Porto Ottiolu, along the northeastern coast of Sardinia. The participants will observe igneous- and sedimentary-derived migmatites and their relationships at the outcrop scale. In the nearby Punta de Li Tulchi bay we will visit the most interesting outcrop in Sardinia of mafic rocks, with relics of eclogite-facies mineral assemblage will be observed and discussed.

Day two: we will visit the amphibole-bearing migmatites of Punta Sirenella and discuss their formation. Then we will visit the eclogites of Terrata (Golfo Aranci) and then move toward north to the Barrabisa granitic complex on the northern coast.

Day three: the participants will have the possibility of visit a spectacular outcrop of low pressure migmatites of Punta Bianca which underwent melting in presence of water. Bring a swimming costume!

Costs will cover transportation from and back to Cagliari, meals, one night in Olbia (June 22nd) and one in Santa Teresa Gallura (June 23rd). We will be back in Cagliari by the evening of the 24th.

Maximum number of participants is 19. The fieldtrip will be activate if a minimum of 12 participants is reached.

Budget: the price for the post-conference field trip will be €340