

Innsbruck Summer School of Alpine Research 2013

From field to lab

An Alpine glance at Apulian Geodynamics

13th to 19th September 2013

South Tyrol, Trentino, and Belluno; Italy

With this summer school we specifically address PhD students and young scientists who share our interest in field-based research.

The summer school is organized and held by a team of researchers from different institutions covering a broad spectrum of earth science topics. Thus the field course will range from stratigraphy of the Dolomites through early rifting and Eoalpine thermotectonics to Neogene indentation.

A large part of the course is carried out in the field (see detailed schedule below) where key outcrops will be visited and relevant data for later discussion and evaluation will be generated. One day is reserved for demonstration and application of the MOVE 3D software package, where under the guidance of a company member the previously generated data will be elaborated. The course ends with an open discussion on the geodynamic evolution of Apulia from early rifting to recent movements.

Scientific Committee (preliminary): B. Fügenschuh, H. Ortner, H. Pomella, P. Tropper (University of Innsbruck) - S.M. Schmid (ETH Zürich) - M. Stipp (GEOMAR, Kiel) - C. Morelli, V. Mair (Geological Survey, South Tyrol) - E. Willingshofer (University Utrecht) - P. Rourke (Midland Valley)

Program:

- 13.09. Permian volcano tectonic and alpine reactivation of the structures
- 14.09. Triassic/Jurassic stratigraphy and tectonics; Dolomites, Valle San Nicolò
- 15.09. Mapping of a thrust plane and brittle data acquisition; Dolomites, Sella
- 16.09. Eoalpine thermotectonics; Ötztal, Schneeberg and Texel
- 17.09. Neoalpine indentation and escape tectonics, Judicarie fault system; Meran
- 18.09. Workshop MOVE 3D; Tramin, Schloß Rechtenthal
- 19.09. Discussion; Tramin, Schloß Rechtenthal