



Magellan Plus Workshop Series Programme Workshop

Tyrrhenian Magmatism & Mantle Exhumation (TIME) Development of an IODP Proposal for the Tyrrhenian basin

**5-7 June 2017
Bologna, Italy**

The purpose of the TIME workshop is to open the opportunities offered by the Tyrrhenian basin to a broad group of interdisciplinary experts to develop an IODP proposal. TIME workshop will foster discussion about a series of fundamental questions on rifting of continental lithosphere, the formation of the COT, the development of late synrift magmatism and/or seafloor spreading, and mantle exhumation by tectonic extension processes. These processes occurred during the last ~11 m.y. in the relatively small Tyrrhenian Basin and hence provides a optimal laboratory to study the processes shaping the basin in one single iODP expedition.

The geological domains formed by each process have been mapped with modern active-source wide-angle data with Ocean Bottom Seismometers and near-vertical deep penetrating multichannel data collected in 2010 on a two-ship experiment and in 2015. Also, 3 previous DSDP/iODP expeditions and dredging of the abundant basement outcrops, and full multibeam coverage of the basin provide a unique database.

The TIME proponents consider that a revision of the Tyrrhenian data set as well as a re-examination of the fundamental scientific questions to be tackled are needed in order to target and prioritize the location of the drilling sites.

Registration: Members of the scientific community interested in contributing to the workshop are invited to submit an expression of interest with a short CV by **April 30, 2017** to nevio.zitellini@bo.ismar.cnr.it Researcher will be accepted on the basis of their research interest related to the goals of the Workshop. Applicants will be informed of the outcome by the first week of May.

Organizers:

Nevio Zitellini, ISMAR-CNR, Italy
Cesar Ranero, ICREA-CSIC, Spain
Valenti Sallares, CSIC, Spain
Ingo Grevemeyer, Geomar, Germany

<http://www.ecord.org/magellanplus.html>