

Friday, April 16th 11:00 - 12:00 am CET

Unlocking the secrets of slow slip events: the role of lithological and geometric heterogeneity of the subducting plate, Hikurangi Margin, NZ

Francesca Meneghini - Department of Earth Sciences, University of Pisa

Introductory presentation by Chiara Boschi (ICNR-IGG, Institute of Geosciences and Earth Resources)



Francesca Meneghini is an associate professor of structural geology and tectonics at the Earth Science Dept. of the University of Pisa. Francesca graduated at the University of Pisa, where she also obtained a PhD in structural geology with a joint project with the University of California at Santa Cruz. After several years of post-doc experience at UCSC, University of Stellenbosch (South Africa) and a few months at the University of Ouro Preto (Brazil) Francesca returned to Italy with a permanent position. Her research focuses on the geology of faults with special attention to the structure of subduction thrusts and the processes active along plate interface. Francesca's approach is rooted in observational field- to micro-scale geology of exhumed, ancient faults and in structural geology, that she integrates with approaches from metamorphic petrology, geochemistry, and experimental geology.

Francesca's talk will focus on her first experience in an IODP expedition and the approach to active margins. Exp. 375 in the Hikurangi margin offshore New Zealand has been the first focusing on a better understanding of the new fault slip style recently described in literature under the name of slow slip events, and on the possible mutual relationships with seismic slip and earthquakes along subduction zones. In her talk she will summarize the main results so far of the principal research conducted.

Registration link <https://attendee.gotowebinar.com/register/8471935416917296143>



Webinar Information and Guidelines

HOW to JOIN the WEBINAR

To attend the webinar, please register at the link on the front page.

Once you register for the webinar, you will receive a confirmation email with a unique and personal link.

The system will notify you a reminder as the event date approaches.

All attendees are advised to download in advance GoToWebinar at the page <https://support.goto.com/webinar/help/download-now-g2w010002>

WEBINAR FORMAT

Speaker's presentation (45'). Your microphone will be muted by default throughout speaker's presentation (45'). Please direct any issue that may arise to the webinar chat.

Discussion - Q&A session (15'). During Q&A session, you will be enabled to ask questions to the presenter. You can use the webinar chat to submit your question (or leave your comment) or you can raise your hand. In the first case, the convenors will direct your question to the presenter. In the second case, you will be able to talk as the convenors call on you: your microphone will be unmuted (your camera can be also enabled, upon request). Fabio Florindo (INGV) and Annalisa Iadanza (CNR) will moderate Q&A session.

ALL PARTICIPANTS are REMINDED that:

The webinar will be recorded and the recording will be made available on our website www.iodp-italia.cnr.it (subject to author's permission).

Certificates of attendance can be issued upon request.

Any requests, questions or comments can be directed to iodp-italia@cnr.it