

Marine geophysical tools applied to active tectonics: fault characterization as input for hazard assessment.

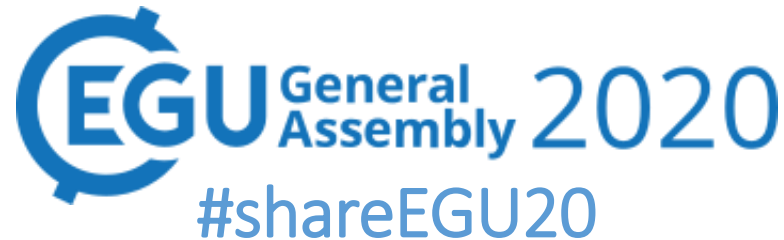
Laura Gómez de la Peña (lgomez@geomar.de)

Francesco Emanuele Maesano (francesco.maesano@ingv.it)

Sara Martínez-Loriente (smartinez@icm.csic.es)

Hector Perea (hperea01@ucm.es)

Morelia Urlaub (murlaub@geomar.de)



Session plan:

Thursday 7 of May, 14:00 - 15:45

- Session introduction
- Displays discussion
 - 15 minutes per abstract
 - Explain the key points of your work using the text chat, guide us through your uploaded display, expose the key questions...
 - Questions from the audience
- Open discussion
 - How much we have advance in seismic hazard characterization due to the improve of geophysical methods?
 - What is still needed? What are the main open questions?
 - Summary of the session results.

Preliminary programme:

- **14:00 - Session opening**
- D1984 | EGU2020-305: [Geohazard assessment of submarine salt-related thin-skinned faults: Levant Basin, offshore Israel](#). **May Laor** and Zohar Gvirtzman
- D1985 | EGU2020-13362: [Revealing the earthquake history during the last 200 ka on a large submarine strike-slip fault: The Yusuf Fault System \(Alboran Sea\)](#). **Hector Perea**, Eulàlia Gràcia, Stefanie Almeida, Laura Gómez de la Peña, Sara Martínez-Loriente, and Rafael Bartolomé
- D1986 | EGU2020-2249: [Deep crustal structure in the Taiwan-Ryukyu arc-trench system junction area: determined from gravity modeling](#). **Wen-Bin Doo**, Hsueh-Fen Wang, Yin-Sheng Huang, Chung-Liang Lo, Shiou-Ya Wang, and Hao Kuo-Chen
- D1987 | EGU2020-10340: [Frontal accretionary wedge structure from seismic reflection imaging in the Lesser Antilles, Guadeloupe-Antigua sector](#). **Lianjun Li**, Hélène Carton, Nathalie Feuillet, Gaëlle Bénâtre, and Yaocen Pan
- D1988 | EGU2020-10732: [Main active structures in the Barbados accretionary wedge of the Lesser Antilles Subduction: implications for slip partitioning](#). **Gaëlle Bénâtre**, Nathalie Feuillet, Hélène Carton, Eric Jacques, and Thibaud Pichot
- D1990 | EGU2020-7608: [Evolution of tear faults in subduction zones: an analogue modelling perspective](#). **Nicolò Bertone**, Lorenzo Bonini, Roberto Basili, Anna Del Ben, Francesco Emanuele Maesano, Mara Monica Tiberti, and Gian Andrea Pini
- D1991 | EGU2020-20061 : [Active deformation evidence in the offshore of western Calabria \(southern Tyrrhenian Sea\) from ultra-resolution multichannel seismic reflection data: results from the Gulf of Sant'Eufemia](#). Fabrizio Pepe, Mor Kanari, **Pierfrancesco Burrato**, Marta Corradino, Henrique Duarte, Luigi Ferranti, Carmelo Monaco, Marco Sacchi, and Gideon Tibor
- **Open discussion and session closure.**

Useful links:

- “Sharing geosciences online” general information:
https://egu2020.eu/sharing_geoscience_online/sharing_geoscience_online.html
- Frequently asked questions:
https://egu2020.eu/sharing_geoscience_online/sharing_geoscience_online.html#faqs
- Guidelines for authors...
https://egu2020.eu/sharing_geoscience_online/scientific_sessions.html#forauthors
- ... and for attendees.
https://egu2020.eu/sharing_geoscience_online/scientific_sessions.html#forattendees

We are looking forward to talk to
you during the EGU week!