

## Session SM2.2 - Earthquakes and active tectonics in regions of slow lithospheric deformation: towards a re-evaluation of the Stable Continental Region concept in seismic hazard assessment

### Session details

The session will be hosted both on Zoom and on the EGU text-based chat.

#### Schedule (May 8<sup>th</sup>, 2020 – 10:45-12:30)

- 10:45-11:15 : Zoom session (see link below) - Presentations only (no questions and answers, this will take place in the chat), presenters are invited to share their screen
- 11:15-12:30 : EGU chat session - questions and answers for all presenters

----- Zoom session link -----

Join from PC, Mac, Linux, iOS or Android: <https://videoconf-colibri.zoom.us/j/98788480483>

Or iPhone one-tap: 308810988,98788480483# or 211202618,98788480483#

Or Telephone:

Dial: +351 308 810 988 (Portugal Toll) or +351 211 202 618 (Portugal Toll)

Meeting ID: 987 8848 0483

International numbers available: <https://videoconf-colibri.zoom.us/u/adNZCcmID1>

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The Zoom session will start with a 10 minute presentation by Eulalia Gracia for a solicited presentation. It will be followed by 6 3-minute long presentations.

Then, we will switch to the text-based chat for questions and answers ; 5 minutes for each presentation. Each presentation will be introduced by the conveners.

The schedule is given below.

#### ZOOM (10:45-11:15) -

10:45-10:55 E. Gracia Earthquake crisis unveils the growth of an incipient continental fault system (solicited presentation)

10:55-10:58 J. Ritz The Mw4.9 Le Teil surface-rupturing earthquake in southern France: New insight on seismic hazard assessment in stable continental regions

10:58-11:01 A. Vallage Full characterization of the ML 5.4 2019/11/11 Le Teil earthquake in France based on a multi-technology approach

11:01-11:04 T. King The 2016 Mw 6.1 Petermann Ranges earthquake rupture, Australia: another “one-off” stable continental region earthquake

11:04-11:07 C.-H. Tsai Palaeo-earthquake magnitudes on the Dzhungarian fault, N. Tien shan, and implications for the rupture processes of intraplate strike-slip faults

11:07-11:10 C. Daxer Quantitative paleoseismology in Carinthia, Eastern Alps: Calibrating the lacustrine sedimentary record with historical earthquake data

11:10-11:13 M. Moorkamp Integrated geophysical analysis of the April 2017 Moyabana intra-plate earthquake, Botswana

#### TEXT-BASED EGU CHAT (11:15-12:30)

11:15-11:20 E. Gracia Earthquake crisis unveils the growth of an incipient continental fault system

11:20-11:25 O. Olesen Large magnitude earthquakes of late Holocene age in the Precambrian of Finnmark, Northern Norway

11:25-11:30 J. Ritz The Mw4.9 Le Teil surface-rupturing earthquake in southern France: New insight on seismic hazard assessment in stable continental regions

11:30-11:35 A. Vallage Full characterization of the ML 5.4 2019/11/11 Le Teil earthquake in France based on a multi-technology approach

11:35-11:40 T. King The 2016 Mw 6.1 Petermann Ranges earthquake rupture, Australia: another “one-off” stable continental region earthquake

11:40-11:45 C.-H. Tsai Palaeo-earthquake magnitudes on the Dzhungarian fault, N. Tien shan, and implications for the rupture processes of intraplate strike-slip faults

11:45-11:50 H. Choi What if a larger earthquake would occur at the causative fault of the Gyeongju earthquake with ML 5.8 on September 11, 2016 in South Korea?

11:50-11:55 J. Kley Seismotectonic regions for Germany - Concept and results

11:55-12:00 D. Clark Neotectonic constraint on models of strain localisation within Australian Stable Continental Region (SCR) crust

12:05-12:10 C. Daxer Quantitative paleoseismology in Carinthia, Eastern Alps: Calibrating the lacustrine sedimentary record with historical earthquake data

12:10-12:15 R. Minetto High-resolution catalog of the the Maurienne Swarm (French Alps) based on template matching and double-different relocation

12:15-12:20 M. Moorkamp Integrated geophysical analysis of the April 2017 Moiyabana intra-plate earthquake, Botswana

12:20-12:25 C. Reyes-Carmona Evidence of recent activity in the Camorro Fault (Central Betics, Southern Spain)

12:25-12:30 - Additional questions and time for discussion