

SESSION: **TS7.9** THE ALPS AND NEIGHBOURING MOUNTAIN BELTS (APENNINES, DINARIDES, CARPATHIANS): A MULTIDISCIPLINARY VISION (ALPARRAY)

EGU2019-8549 | Posters | TS7.9/GD6.7/SM1.22

Faulting, cooling and exhumation in the footwall of the Shkoder-Peja Normal Fault (Dinaric-Hellenic junction) and its relation to the western Kosovo basin

Marc U. Grund, Joerg Giese, Sascha Zertani, **Mark R. Handy**, Jan Pleuger, Eline LeBreton, and Kujtim Onuzi

Thu, 11 Apr, 16:15–18:00 | Hall X2

EGU2019-15871 | Posters | TS7.9/GD6.7/SM1.22 |

Fault kinematics along the orogenic front of the Eastern Southern Alps

Vincent Verwater, Mark R. Handy, Eline Le Breton, and Vincenzo Picotti

Thu, 11 Apr, 16:15–18:00 | Hall X2

EGU2019-8661 | Posters | TS7.9/GD6.7/SM1.22

Ambient-noise tomography using the AlpArray seismic network – preliminary results

Emanuel Kästle, Irene Molinari, Lapo Boschi, and Eduard Kissling

Thu, 11 Apr, 16:15–18:00 | Hall X2

EGU2019-14720 | Posters | TS7.9/GD6.7/SM1.22

Plate motion model of Western and Central Mediterranean-Alpine area since 200 Ma

Eline Le Breton, Kamil Ustaszewski, Dietmar Müller, and Samuel H. J. Russel

Thu, 11 Apr, 16:15–18:00 | Hall X2

SESSION: **TS7.4** GEODYNAMICS OF CONTINENT COLLISIONS: SUBDUCTION, COLLISION AND EXHUMATION PROCESSES

EGU2019-5497 | Orals | TS7.4/GD5.10/GMPV7.22

Crustal-scale sheath folding at HP conditions in an exhumed Alpine subduction zone (Tauern Window, Eastern Alps)

Philip Groß, Jan Pleuger, Mark Handy, and Timm John

Wed, 10 Apr, 11:00–11:15 | Room K1

SESSION: **GM1.3** INTEGRATION OF SEISMIC GEOMORPHOLOGY, STRATIGRAPHY AND BOREHOLE DATA IN PALAEO-ENVIRONMENTAL RECONSTRUCTION

EGU2019-16892 | Posters | GM1.3/CL1.28/CR2.10/SM1.7/SSP2.19 | OSPP: volunteer to judge

Integrated Stratigraphy of the Tertiary Upper Austrian Molasse Basin – dating basin wide events and correlation to the global stratigraphic framework

Gero Fischer, Julian Hülscher, Patrick Grunert, Gerald Auer, and Anne Bernhardt

Tue, 09 Apr, 14:00–15:45 | Hall X2

SESSION: **SSP3.4** UNDERSTANDING SOURCE-TO-SINK SYSTEMS FROM A PROCESS-BASED PERSPECTIVE

EGU2019-10341 | Orals | SSP3.4

External forcing or autogenic processes: What controlled sediment-accumulation rates in the Oligocene/Miocene Upper Austrian Molasse Basin?

Julian Hülscher, Gero Fischer, Patrick Grunert, Gerald Auer, and Anne Bernhardt

Thu, 11 Apr, 17:00–17:15 | Room -2.32

SESSION: **GM3.2** DETRITAL RECORDS OF EROSION AND SEDIMENTATION

EGU2019-5234 | Posters | GM3.2/SSP3.23/TS4.6

Improving the precision of single grain mica $^{40}\text{Ar}/^{39}\text{Ar}$ -dating on smaller and younger muscovite grains: application to provenance studies.

Lorenzo Gemignani, Klaudia Kuiper, and Jan Wijbrans

Thu, 11 Apr, 08:30–10:15 | Hall X2

EGU2019-13474 | Posters | GM3.2/SSP3.23/TS4.6 | OSPP: volunteer to judge

Resilience of a Subarctic catchment to climate change

Sarah Mosser, Kai Hartmann, and Bernhard Diekmann

Thu, 11 Apr, 08:30–10:15 | Hall X2

SESSION: **GM2.8** NOVEL APPROACHES IN GEOCHRONOLOGY: QUANTIFYING GEOMORPHOLOGICAL PROCESSES AND LANDSCAPE DYNAMICS

EGU2019-2404 | Orals | GM2.8/CL5.15/CR4.7/SSP1.4 | *Highlight*

Cosmogenic in-situ ^{14}C reveals rapid soil erosion with the onset of agro-pastoralism on the Andean Altiplano

Kristina Hippe, John D. Jansen, Daniel S. Skov, Maarten Lupker, Susan Ivy-Ochs, Florian Kober, Gerold Zeilinger, José M. Capriles, Marcus Christl, Colin Maden, Christof Vockenhuber, and David L. Egholm

Thu, 11 Apr, 09:15–09:30 | Room D3

EGU2019-2395 | Posters | GM2.8/CL5.15/CR4.7/SSP1.4

Performance of the new in-situ cosmogenic ^{14}C extraction system at ETH Zürich

Kristina Hippe, Maarten Lupker, Lukas Wacker, Colin Maden, Olivia Steinemann, Dmitry Tikhomirov, Negar Haghypour, and Hans-Arno Synal

Wed, 10 Apr, 14:00–15:45 | Hall X2

EGU2019-4753 | Posters | GM2.8/CL5.15/CR4.7/SSP1.4

Tracing sedimentary processes with paired in-situ ^{14}C and ^{10}Be measurements in rapidly eroding settings: constraining landslide inputs and sediment transfer times.

Maarten Lupker, **Kristina Hippe**, Lukas Wacker, Negar Haghipour, Pierre-Henri Blard, and Jérôme Lavé

Wed, 10 Apr, 14:00–15:45 | Hall X2

SESSION: **GM2.1** | PICO MEDIA FRONTIERS IN GEOMORPHOMETRY AND EARTH SURFACE DYNAMICS: POSSIBILITIES, LIMITATIONS AND PERSPECTIVES

EGU2019-14979 | PICOs | GM2.1/GI4.17/NH3.29/NP9.10/PS5.7/SSS13.9

Identification and ordering of drainage divides in digital elevation models

Dirk Scherler and Wolfgang Schwanghart

Tue, 09 Apr, 10:55–10:57 PICO spot 4