

Prague 2021











Prague 2021

#### Tuesday, 9th of November 2021



13:00 Geophysical Model Generator Tutorial

**16:00** Break

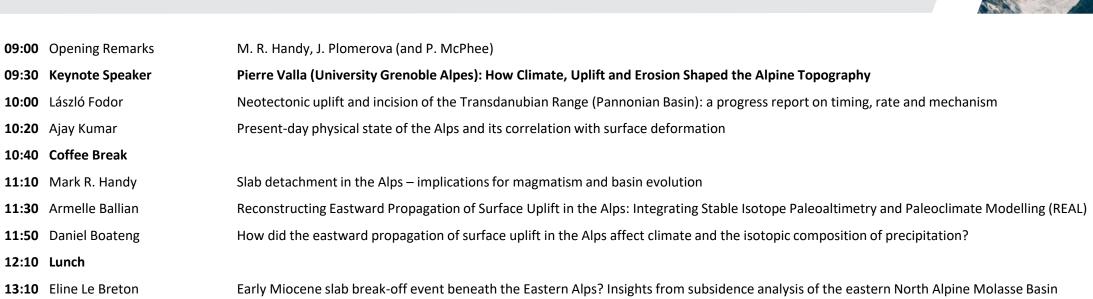
16:15 Dragonfly Mental Health Talk





Prague 2021

#### Wednesday, 10th of November 2021



13:50 Poster Session

13:30 Stefan M. Schmid

15:20 Breakout: Geophysical Model Generators (Organisers: Marcel Thielmann, Boris Kaus)

Arc formation in the Western Alps

**16:20** Breakout: Eastern Alps (Organiser: Paul Eizenhöfer)

**16:00** Breakout: AdriaArray/ORFEUS (Organiser: Petr Kolinsky)



Prague 2021

09:00 Keynote Speaker

#### Thursday, 11<sup>th</sup> of November 2021

09.00	Reynote Speaker	neidi di Ropp (Oliversity di Rier). Deep structure di the Ligurian basin nom a sulte di geophysical studies
09:30	Louisa Murray-Bergquis	3D Travel Time Tomography of the Ligurian Sea and Coastal Western AlpsFirst Results
09:50	Rainer Kind	Moho and uppermost mantle structure in the Alpine area from S-to-P converted waves
10:10	Stefan Mrozcek	Establishing the Eastern Alpine-Dinaric Transition with Teleseismic Receiver Functions
10:30	Coffee Break	
11:00	Matteo Scarponi	The mantle in the crust: recent images and models of the Ivrea Geophysical Body based on seismological and gravity data
11:20	Götz Bokelmann	Shear-wave splitting in the Alpine region
11:40	Emanuel Kästle	Azimuthally anisotropic structure of the Alpine crust
12:00	Lunch	
13:30	Marcel Paffrath	Imaging structure and geometry of slabs in the greater Alpine area – A P-wave travel-time tomography using AlpArray Seismic Network data
13:50	Rens Hoffman	Seismicity in the Eastern Alps from Swath-D
14:10	Pier Luigi Bragato	Statistical evidence of the modulation of strong seismicity by the climate in the southeastern Alps
14:30	Poster Session	

Heidrun Kopp (University of Kiel): Deep structure of the Ligurian Basin from a suite of geophysical studies

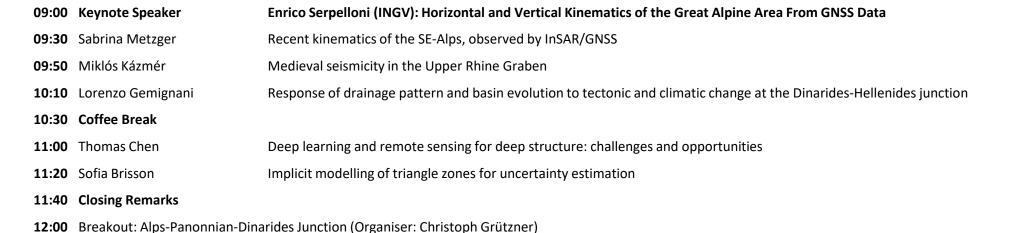


Prague 2021

14:00 4DMB Steering Committee meeting

15:30 AlpArray Steering Committee meeting

#### Friday, 12th of November 2021



ALP RRAY

Prague 2021

#### Poster sessions – Wednesday 10<sup>th</sup>

Lucas Eskens The development of non-cylindrical foreland basins; a case study of the Northern Alpine Foreland Basin

Sarah Falkowski Erosion and drainage evolution of the Alps derived from detrital thermochronology

Marcel Thielmann Ductile weakening controls on slab breakoff depth

Dominika Godova Lithospheric models along the profiles across the Carpathians

Chiara Amadori High geothermal gradient in the Alps-Apennine tectonic junction induced by mantle upwelling

Francesca Di Luccio Active tectonics of the central Adriatic region: new insights from the recent March 2021 seismic sequence

Christian Haberland Jozi-Najafabadi et al: Local Earthquake tomography using SWATH-D data

Sunjay Sunjay Lithosphere geophysical SubSurface imaging

Daniel Kalmar The Structure of the Pannonian Basin Region Revealed by P-to-S Receiver Function

Máté Timkó 3D lithospheric structure of the Pannonian Basin from the joint inversion of earthquake and ambient noise surface wave tomography

Saikiran Tharimena Structure of the Alpine Mantle Transition Zone from P-to-S receiver functions

Johannes Stampa Automatic Picking of Teleseismic P- and S-Phases Using an Autoregressive Prediction Approach

Benedikt Braszus Towards a comprehensive high resolution 3D P- and S-wave velocity model for the Alpine mountain chain using local earthquake data

Irene Menichelli First steps toward the definition of the deep structure and dynamic of the circum-Mediterranean orogens





Prague 2021

#### Poster session – Thursday 11<sup>th</sup>

Paul Eizenhöfer Thermo-kinematic evolution of the Eastern Alps along TRANSALP: Exploring the transient tectonic state towards slab reversal

Zoltán Wéber Earthquake focal mechanisms and recent stress field in the Pannonian basin

Valentina Argante LUNAR project: preliminary fieldwork data from Brenner Fault and Salzachtal Fault

Yongki Andita Aiman Stress-field orientation inferred from ambient seismic noise in the Northern Alpine foreland

Amr El-Sharkawy Lithospheric structure of the Eastern Alps from joint inversion of surface waves and Receiver Functions: Preliminary results

Anna-Katharina Sieberer Internal deformation of the Dolomites Indenter, eastern Southern Alps: Insights from crustal scale analogue modelling

Christian Schuler Geodynamic modelling scenarios of the Alpine Mediterranean area

Jaroslava Plomerová (et al.) Two subduction-related heterogeneities and upper mantle anisotropy along the Bohemian Massif-Eastern Alps north-south transect

Pier Luigi Bragato Systematic Triggering of Large Earthquakes by Karst Water Recharge: Statistical Evidence in Northeastern Italy

Jiri Kvapil (et al.) Quality assessment of surface wave (Group & Phase) velocity dispersions obtained from ambient noise in Central and Eastern Europe.

Elena Bersan Microstructural variations of the Innsbruck Quartz Phyllite and the Bündnerschifier north of Tauern Window (Tyrol, Austria)

Anke Dannowski Lithospheric architecture of the Ligurian Basin from seismic data

Julia Rudmann Constructing a new cross-section along the BBT Tunnel through the eastern Alps: Modelling constraints and methods

Ahmed Nouibat A 3-D shear-wave velocity model of the Liguro-Provençal basin from ambient-noise tomography: implications on the oceanic/continental nature of the crust

