









6th AdriaArray Workshop 2025, San Servolo (Venice), Italy 11 - 14 March 2025

The 6th AdriaArray Workshop that will be held in San Servolo (Venice lagoon), Italy, on 11 -14 March, 2025, at the San Servolo Conference Center. The workshop is locally organized by the Istituto Nazionale di Geofisica e Vulcanologia. It is organized together with the Bulgarian Geophysical Society, Institute of Geophysics CAS, Prague and University Kiel.

The workshop is sponsored by Istituto Nazionale di Geofisica e Vulcanologia and ORFEUS.

Information on AdriaArray – its scope, aims, and status – can be found under this link:

https://orfeus.readthedocs.io/en/latest/adria_array_main.html

Further information on the workshop is given in the 3rd announcement:

https://github.com/PetrColinSky/AdriaArray/blob/master/SanServolo2025/AdA Workshop 20 25 3.pdf

Program

The program overview and program details are given below. All session take place in the **Auditorium** if not indicated differently.

program version: March 6, 13:00 CET

Tuesday, March 11	program overview	
08:30 - 9:00	Registration	
09:00 - 10:30	Session 1: Welcome & Adriatic geodynamics: progress and frontiers	
	Coffee break	
11:00 - 12:30	Session 2: Adriatic geodynamics: progress and frontiers – continued	
	Light lunch (served)	
14:00 - 15:30	Session 3: Physical structure and evolution of the lithosphere in the Adriatic region: what we can and cannot resolve with seismic imaging	
	Coffee break	
16:00 - 17:00	Poster advertisement	
17:00 – 18:00	Poster session A (Sala E Palazzina Grecale)	
18:00 – 19:00	Poster session B (Sala E Palazzina Grecale)	

Wednesday, March 12		
09:00 - 10:30	Session 4: Physical structure and evolution of the lithosphere in the Adriatic region: what we can and cannot resolve with seismic imaging – continued	
	Coffee break	
11:00 - 12:30	Session 5: Physical structure and evolution of the lithosphere in the Adriatic region: what we can and cannot resolve with seismic imaging – continued and Seismicity and seismic sources in the AdriaArray region	
	Light lunch (served)	
14:00 - 15:30	Break-out session 1: Seismicity and seismic sources (Auditorium) Break-out session 2: Slabs in the Adriatic region: what do we know? (Room 6)	
	Coffee break	
16:00 - 17:30	Break-out session 3: The western margin of the Adriatic Plate: concepts and experiments	
17:30 – 19:00	Break-out session 4: The eastern margin of the Adriatic Plate: concepts and experiments	

Thursday, March 13			
09:00 - 10:15	Session 6: Seismicity and seismic sources in the AdriaArray region – continued		
	Coffee break		
11:00 - 12:30	Break-out session 5: AdriaArray: Data access and data quality		
	Light lunch (served)		
14:00 - 15:30	Break-out session 6: Receiver functions		
	Coffee break		
16:00 - 17:30	Break-out session 7: Ambient noise and surface wave tomography		
18:00 – 19:00	AdriaArray Steering Committee Meeting (Auditorium)	Early Career Scientist Networking Evening (Room 6)	

Friday, March 14	
09:00 - 11:00	Concluding plenary discussion
	Coffee and greetings

Detailed Program

Session 1 'Adriatic geodynamics: progress and frontiers'

Tuesday 9:00 – 10:30 (Auditorium)

9:00 - 9:10	Piromallo, C.	Welcome
9:10 - 9:30	Meier, T., Kolínský, P.	AdriaArray: Status and Challenges
9:30 - 9:50	Chiarabba, C.	Continental deformation and seismicity in the
		Adriatic region
9:50 - 10:10	Faccenna, C.	Adria's motion: Causes and consequences
10:10 - 10:30	Papazachos, C. (online)	The Santorini 2024-2025 volcanotectonic unrest:
		Lessons from the past and constraints from
		seismic, GNSS and InSAR information

Session 2 'Adriatic geodynamics: progress and frontiers'

Tuesday 11:00 – 12:30 (Auditorium)

11:00 – 11:15	Cammarano, F.	Petrological and thermal constraints for interpreting seismic data
11:15 – 11:30	Lebedev, S.	Seismic thermography: quantifying the physical structure of the lithosphere and its controls on seismicity and natural resources
11:30 – 11:45	Ganas, A. (online)	Deformation rates and crustal block modeling in western Greece from GNSS data
11:45 – 12:00	Fodor, L.	Migration of extensional deformation, basin subsidence, magmatism in the Pannonian Basin: constraints from observations and numerical models
12:00 – 12:15	Mazur, S.	Crustal Structure and Tectonic Models of the Western Carpathians from Deep Seismics and Potential Fields

12:15 - 12:30	Nagel, T., Mulashev, I.	Massive crustal relamination in the Rhodope
		metamorphic province

Session 3 'Physical structure and evolution of the lithosphere in the Adriatic region: what we can and cannot resolve with seismic imaging'

Tuesday 14:00 - 15:30 (Auditorium)

14:00 – 14:15	Carminati, E., Chiarabba, C.,	Diachronous subduction-to-delamination
	Giacomuzzi, G., Maresca, A., Tavani, S.	transition in the Apennines
14:15 – 14:30	Monna S., Montuori C., Bonatto L.,	Study cases in the AdriaArray region based on P
	Piromallo C.	and S receiver function non-automated analysis
14:30 - 14:45	Mohammadi, N.	Crustal and upper mantle structure of the Alps
		and Apennines by Teleseismic full waveform
		inversion
14:45 – 15:00	Kalmár, D.	Mantle Transition Zone Structure in the Alpine-
		Carpathian-Dinarides: Evidence from P-to-S
		Receiver Function Analysis
15:00 – 15:15	Kolínský, P.	Surface wave diffraction as seen by the AdA
		records
15:15 – 15:30	Delage, K.	Extraction of coherent wavefronts from seismic
	_	ambient noise by using Matched-Filtering

Session 4 'Physical structure and evolution of the lithosphere in the Adriatic region: what we can and cannot resolve with seismic imaging'

Wednesday 9:00 - 10:30 (Auditorium)

9:00 – 9:15	Crosetto, S.	On-shore tectonics of the Kefalonia Transform Fault Zone
9:15 – 9:30	Loreto, F., Ferrante, V., Nomikou, P., Ganas, A., Lampridou, D., Merino, I., Palmiotto, C., Petracchini, L., Ligi, M., Ranero, C.	Exploring of the Cephalonia Fault Zone and related geohazard elements shaping the Ionian Islands (Western Greece)
9:30 - 9:45	Ranero, C.	Current tectonics in the Ionian region
9:45 – 10:00	Evangelidis, C. (online)	SKS and source side anisotropy measurements in Greece
10:00 – 10:15	Yuan, X., Schurr, B., Tilmann, F., Heit, B., Dushi, E., Rama, B., Rietbrock, A., Frietsch, M., Agurto-Detzel, H., Kufner, SK., Terhünte, S.	Preliminary receiver function analysis of the ANTICS Large-N experiment in Albania
10:15 – 10:30	Stipčević, J., Belinić Topić, T., Rondenay, S.	Imaging lithospheric structure under the Dinarides using AdriaArray data

Session 5 'Physical structure and evolution of the lithosphere in the Adriatic region: what we can and cannot resolve with seismic imaging' and 'Seismicity and seismic sources in the AdriaArray region'

Wednesday 11:00 - 12:30 (Auditorium)

11:10 – 11:15	Gkogkas, K.	Seismic Imaging Results at the PACASE portion of the AdriaArray project
11:15 – 11:30	Soni, T., Schiffer, C., Mazur, S.	Receiver Function results from the passive seismic experiment in the Western Carpathians-inference for the tectonic contact between North Europe and ALCAPA
11:30 – 11:45	Plomerová, J., Žlebčíková, H., Kvapil, J., Vecsey, L.	Effect of inversion volume size on body-wave tomography images - an example from the E. Alps
11:45 – 12:00	Rietbrock, A.	First results of the ANTICS large-N deployment in Albania
12:00 – 12:15	Tomanović, M.	Seismic zones and seismicity since 2018-2024 for the territory of Montenegro and surroundings
12:15 – 12:30	Cambaz, D.	The seismic activity at the southeastern edge of the AdriaArray region, as observed through the

	recent deployments within the KOERI seismic
	network

Session 6 'Seismicity and seismic sources in the AdriaArray region'

Thursday 9:00 – 10:15 (Auditorium)

9:00 – 9:15	Fonteijn, M.	Deciphering tectonic driving mechanisms of seismicity in the central Apennines
9:15 - 9:30	Ktenidou, O.	tba
9:30 – 9:45	Papadopoulou, E.	Environmental Impacts of Seismic Activity in the Ionian Sea: Application of Remote Sensing Techniques and the Environmental Seismic Intensity (ESI) 2007 Scale
9:45 - 10:00	Rossi, G.	Fault valve evidences in Northern Adria
10:00 – 10:15	Xhahysa, A., Kuka, N. (online)	Updated Seismic Hazard Map of Albania, NSHMA24

Posters (Sala E Palazzina Grecale)

Λ.4	Abd: E	Automotic Focal Machaniam Committation for Creal Magnitude	
A 1	Abdi, F.	Automatic Focal Mechanism Computation for Small-Magnitude	
A 2	Amandaukali T	Earthquakes in NE Italy	
A 2 A 3	Amashukeli, T. Baccheschi, P.	Upgrading the Seismic Network in Ukraine's Carpathian Region	
A 3	Baccnescni, P.	Imaging the deep structure of Italy through SKS anisotropy	
—	<u> </u>	tomograph	
A 4	Bernauer, F.	KAROS: A proposal for an amphibian multi component seismic	
A 5	Danetta I. Manna C. Mantuari C.	experiment accross the Kefalonia Transform Fault	
AS	Bonatto, L., Monna S., Montuori C., Piromallo C.	Probing Mantle Heterogeneity Beneath the Central Mediterranean with P Receiver Functions	
A 6	Borleanu, F.	Analysis of the 2023, ML 5.7 Southern Carpathians Earthquake	
A 0	Boneanu, F.	Sequence	
A 7	Cvijić Amulić, S., Popović Krejić, L.	Seismological network and seismicity in Bosnia and	
^ '	Ovijie Amune, O., i opovie raejie, E.	Herzegovina - before and during the AdriaArray project	
A 8	Csatlós, M.	Calibrating the Local Magnitude Scale for Hungary Using	
]		Permanent and Temporary Stations	
A 9	Czecze, B.	Revised Seismicity Catalog of the Pannonian Basin Using	
		Multiple-Event Relocation Algorithms: Local and Regional Scale	
		Studies	
A 10	Dimitrova, L.	The first year of operation of AdA stations in Bulgaria	
A 11	Di Stefano, R., Maria Grazia, C.	The sP depth phases detection applied to the 2003 Jabuka	
		seismic sequence	
A 12	Eckel, F.	Surface Wave Tomography of Southern Italy	
A 13	El-Sayed, H.	The Role of Multi-National Seismological Network in South	
		Europe: Advancing Geodynamics Understanding, Multi-Hazard	
		Risk Analysis, and Early Warning Systems	
A 14	El-Sharkawy, A.	Seismic anisotropy beneath the Alpine-Dinarides region: insights	
		from surface waves and shear wave splitting measurements	
A 15	Kampfová Exnerová, H., Plomerová,	Moho depth form Ps receiver functions in the northern	
	J., AdriaArray Seismology Group	promontory of the AdriaArray	
A 16	Farfuliak, L.	Installation Site of Trillium Slim Posthole: First Practice of the	
		Installation of a Trillium Slim Posthole Seismometer in Ukraine	
A 17	Fojtíková, L.	(Liubeshka LUBU Station) Seismic Activity in Eastern Slovakia	
A 17	Fragkouli, K.	tba	
A 19	Rossetti, F.	Deformation styles and exhumation patterns in the Albanides-	
A 19	Nossem, F.	Hellenides orogenic belt	
A 20	Genjac-Zukić, M., Krehić, A.	AdriaArray data in Bosnia and Herzegovina	
A 21	Georgieva, G.	First receiver functions for AdA stations in Bulgaria	
A 22	Hamed, A.	Investigating Wind Storm Dynamics Through European	
	Tiumou, A.	Broadband Seismic Station Records	
A 23	Horn, N.	Contribution of GeoSphere Austria to AdriaArray	
B 24	Kaviris, G.	Seismicity of Euboea – Central Greece since 2018	
B 25	Kolínský, P., Meier, T. and the AdA	AdriaArray Seismic Network - status in March 2025	
	Seismology Group	Talla in ay Colonia Hothoric States in Meron 2020	

B 26	Korniyenko-Sheremet, Y., Saintot, A.,	A new old approach for a tectonic reconstruction: results of the	
	Seghedi, A., McCann, T. Sosson, M.	structural analysis in the North Dobrogea zone of the TTZ	
B 27	Lukešová, R., Fojtíková, L., Borleanu, F.	AdriaArray local experiment in the Vrancea Seismic Zone	
B 28	Montuori, C., Monna, S.	Lithospheric structure and mantle wedge below the Tyrrhenian and Ionian basins (Central Mediterranean) from P and S receiver functions	
B 29	Mustafa, S.	tba	
B 30	Nagel, T.	Massive relamination in the Rhodopes	
B 31	Najdovska, J., Drogreshka, K., Chernih, D.	A Study of Seismicity and the Most Powerful Earthquakes in the Epicentral area Skopje	
В 32	Papageorgiou, A., Ktenidou OJ., Liakopoulos S., Fragkouli K., Halaris F., Pikoulis VE., Evangelidis C., Kontakos K., Fountoulakis I., Sokos E., Papazachos C., Ventouzi C., Kkallas, Ch., Chatzis, N., Kaviris G., and Kapetanidis V.	A proposition for compiling station and site information for AdriaArray stations	
B 33	Pesaresi, D.	OGS contribution to AdriaArray: state of the art	
B 34	Petrescu, L.	Surface waves and SKS anisotropy: Probing subsurface structures and deformation between Adria and Eurasia	
B 35	Prada, M.	ODISSEY: Peloponnese and Ionian Island continental margin seismic study	
B 36	Rama, B., Dushi, E., Dyrmishi, M., Gjata, A.	Stress analysis in the Albanian region using Moment Tensors and the contribution of AdriaArray stations to the solutions	
B 37	Rewers, J., Środa, P.	Investigating upper mantle anisotropy beneath the Western Carpathians and Sudetes using shear-wave splitting analysis	
B 38	Roisenberg, H.	Vp/Vs ratio and crustal thickness of the greater alpine crust using h-k stacking	
B 39	Schurr, B.	The 2019 Durres earthquake aftershock sequence	
B 40	Środa, P., Rewers, J.	Receiver function imaging of Moho depth anomalies in the Western Carpathians based on data from PACASE and AdriaArray seismic experiments	
B 41	Stefanelli, I.	Crustal and uppermost mantle structure of Dinarides from Local earthquake tomography: preliminary results from Adria-Array data	
B 42	Stipčević, J.	Joint Norwegian and Croatian deployment of seismic stations within AdriaArray - the CRONOS network	
B 43	Tamtas, D.	A Closer Look at Montenegro's Seismicity Through the March 2024 Earthquake	
B 44	Tilmann, F.	Planned developments for submarine monitoring in the Ionian Sea	
B 45	Vičič, B., Rajh, G.	Patterns in 20 years of relocated seismicity in Slovenia	
B 46	Vuorinen, T.	Applying template matching to Vrancea area seismicity using AdriaArray data	

Break-out sessions

	Title	Conveners	Presentations by
1	Seismicity and seismic sources	Borleanu, F., Dushi, E., Rama, B.,	Dushi, E., Cambaz, D.,
		Rietbrock, A., Tilmann, F.	Borleanu, F., Petrescu, L.
2	Slabs in the Adriatic region: what do we know?	El-Sharkawy, A., Meier, T., Piromallo, C.	Meier, T., El-Sharkawy, A.
3	The western margin of the Adriatic Plate: concepts and experiments	Fonteijn, M., Heit, B.	Faccenna, C., Pondrelli, S., Chiarabba, C., Menichelli, I., Tilmann, F., Heit, B.
4	The eastern margin of the Adriatic Plate: concepts and experiments	Crosetto, S., Ranero, C.	Crosetto, S., Prada, M., Loreto, F., Bernauer, F., Rietbrock, A., Tilmann, F.
5	AdriaArray: Data access and data quality	Eckel, F., Kolínský, P.	Kolínský, P., Danecek, P., Vecsey, L., Eckel, F.
6	Receiver functions	Georgieva, G., Kalmár, D., Rondenay, S., Stipčević, J., Yuan, X.	Rondenay, S., El-Sharkawy, A.

7	Ambient noise and surface wave tomography	Molinari, I., Petrescu, L.	Delage, K., Lebedev, S., Menichelli, I., Borleanu, F., Bokelmann, G., Petrescu, L., El-
			Sharkawy, A., Eckel, F.

Early Career Scientist Networking Evening (converners: Eckel, F., Roisenberg, H., Soni, T., Room 6)