

DETAILED PROGRAMME

Sunday, September 22, 2024

TIME	
15:00-18:00	Registration
18:00-19:00	Ice Breaker Reception



Monday, September 23, 2024

TIME	KERKYRA BALLROOM	KERKYRA CORRIDOR HALL	LEFKAS-ZANTE HALL	PAXI-ITHAKA HALL	KROKIDIS HALL
08:45-09:30	Opening Plenary				
09:30-10:00	Opening Ceremony				
10:00-11:00	Keynote Lecture 1 <i>Chairperson: Nicholas Voulgaris</i> <i>Seismic activity in the Ionian Islands: Hazards, monitoring, challenges and lessons learnt</i> Eleftheria Papadimitriou				
11:00-11:30	Break & Poster Session I				
11:30-12:30	Session 48: Recent Large and Devastating Earthquakes (Part 1) <i>Conveners: Dmitry A. Storchak - Johannes Schweitzer</i>	Session 31: Advances in monitoring, modeling, hazard assessment, and inputs for managing of anthropogenic seismicity (Part 1) <i>Conveners: Alexander Garcia - Beata Orlecka-Sikora - Gilberto Saccorotti</i>	Session 37: Characterization of urban built environment for seismic risk reduction (Part 1) <i>Conveners: Chiara Scaini - Bojana Petrovic</i>	Session 46: The role of communication and dissemination in the relationship between research and society (Part 1) <i>Conveners: Giuliana D'Addezio - Stefano Solarino</i>	Session 08/09: Physics of earthquake preparation process: From laboratory experiments to earthquake forecast (Part 1) <i>Conveners: Eleftheria Papadimitriou - Ramon Zuniga</i>
11:30	741 <i>The 2023 Mw 7.8 Kahramanmaras earthquake rupture increases failure potential along the northern Dead Sea Fault</i> Mustapha Meghraoui , Ziyadin Cakir, Jugurtha Kariche, Renaud Toussaint, Floriane Provost, Volkan Karabaçak, Reda Sbeinati, Erhan Altunel, Tony Nemer	090 <i>Inferring maximum magnitudes from the ordered sequence of large earthquakes</i> Ryan Schultz	Invited 376 <i>Every building on Earth</i> Danijel Schorlemmer , Laurens J. N. Oostwegel, Tara Evaz Zadeh, Lars Lingner	673 <i>Geothermal resource evaluation and public awareness for a sustainable energy: two case study in Southern Italy</i> Ortensia Amoroso , Valeria Giampaolo, Antonio Baccaro, Marianna Balasco, Massimo Blasone, Davide Bubbico, Paolo Capuano, Gregory De Martino, Maria Vittoria Gargiulo, Ferdinando Napolitano, Angela Perrone, Serena Panebianco, Raffaella Russo, Vincenzo Serlenga, Tony Alfredo Stabile	144 <i>The deterministic behaviour of earthquake rupture beginning</i> Valeria Longobardi , Simona Colombelli, Aldo Zollo
11:45	402 <i>Evidence for small-scale segmented fault rupture along the East Anatolian Fault during the Mw 7.8 2023 Kahramanmaraş earthquake</i> Mauro Palo , Aldo Zollo	241 <i>Estimation of the largest possible anthropogenic seismic event for mining-induced activity</i> Lukasz Rudzinski , Andrzej Kijko, Katarzyna Mirek, Dawid Mól		523 The "MINOAS 2024" full-scale exercise for earthquake and associated geohazards in the Region of Crete: the largest ever designed and implemented in Greece Efthymios Lekkas , Alexia Grambas, Spyridon Mavroulis, Eleftheria Stamati	117 <i>Cluster analysis, repeating events, and stress changes of the 2020-2021 excitation at the Western Corinth Gulf</i> Christos Kourouklas , Pavlos Bonatis , Polyzois Bountzis, Anastasios Kostoglou, Eleftheria Papadimitriou, Vasileios Karakostas
12:00	179 <i>Assessment of urban seismic resilience of a town in eastern Türkiye: Turkiye, Kahramanmaras before and after 6 February 2023 m7.8 Kahramanmaras earthquake</i> Aysegul Askan , Abdullah Altindal, Mehmet Firat Aydin, M. Altug Erberik, Mustafa Kerem Kockar, Muammer Tun, Meltem Senol Balaban, Hakan Uygucgil, Alican Kop, Shaghayegh Karimzdeh, Sunay Mutlu, Hasan Koska, Emrah Pekkan, Cenk Erkmen, Aylin Celik, Nazan Kilic	308 <i>Complexity of frequency magnitude distribution of anthropogenic earthquakes</i> Anastasios Kostoglou , Beata Orlecka-Sikora, Stanislaw Lasocki, Francis Tong	724 <i>Specific period-height relationships: Experimental insights on the significance of height and area</i> Bojana Petrovic , Chiara Scaini, Maria Rosaria Gallipoli	841 <i>Lessons in communication and dissemination in Romania, after the 2023 earthquakes in Turkey-Syria and Gorj Area</i> Dragos Toma-Danila , Constantin Ionescu, Mircea Radulian, Mihail Diaconescu, Iuliana Armas, Mihaela Dragan, Alexandru Tiganescu, Dragos Tataru	269 <i>The synergy of two different agents in generating seismic activity: tectonic stresses and high speed solar wind streams transferring sub-ULF electromagnetic waves into the lithosphere</i> Georgios Anagnostopoulos



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TIME	KERKYRA BALLROOM	KERKYRA CORRIDOR HALL	LEFKAS-ZANTE HALL	PAXI-ITHAKA HALL	KROKIDIS HALL
12:15	640 Analysis of near-source ground motion envelopes of the 6 February 2023 Kahramanmaras, Turkey earthquake sequence Fadel Ramadan , Aysegul Askan, Giovanni Lanzano, Chiara Smerzini, Sara Sgobba, Francesca Pacor	295 The application of adaptive non-parametric kernel density estimators to assessing seismic hazard posed by anthropogenic seismicity Francis Tong , Stanislaw Lasocki, Beata Orlecka-Sikora	751 Analysis of characteristic structures in North-East Italy and their structural behaviour based on on-site ground motion records Deniz Ertuncay , Bojana Petrovic, Chiara Scaini, Valerio Poggi	414 Education for DRR: A transdisciplinary approach. Building a new paradigm to face DRR Paolo Capuano , CORE working group	
12:30-14:00	Lunch Break				
14:00-15:00	Session 48: Recent Large and Devastating Earthquakes (Part 2) Conveners: Aysegul Askan - Dmitry A. Storchak	Session 31: Advances in monitoring, modeling, hazard assessment, and inputs for managing of anthropogenic seismicity (Part 2) Conveners: Alexander Garcia - Beata Orlecka-Sikora - Gilberto Saccorotti	Session 37: Characterization of urban built environment for seismic risk reduction (Part 2) Conveners: Bojana Petrovic - Deniz Ertuncay	Session 46: The role of communication and dissemination in the relationship between research and society (Part 2) Conveners: Elena Eva - Stefano Solarino	Session 08/09: Physics of earthquake preparation process: From laboratory experiments to earthquake forecast (Part 2) Conveners: Vasileios Karakostas - George Kaviris
14:00	398 Kappa evaluations related to major earthquakes and their aftershocks of Eastern Anatolian Fault and its magnitude dependency Yesim Biro	275 Research on the Relationship between Earthquake Distribution and Seismic Velocity Structure in Changing Water Injection Area, Sichuan, China Fei Deng , Xiaoliang Zhang, Minghui Hao, Yushan Zhang	767 Characterization of the dynamic structure-soil interaction for a high-rise administrative building in Bologna (Italy) Laura Cataldi , Valerio Poggi, Stefano Parolai, Marco Romanelli, Giorgio Capotosti, Chiara Scaini, Deniz Ertuncay, Bojana Petrovic, Lavinia Tunini, Luca Martelli	360 Emerging trends in seismic risk communication Angela Saraò , Gemma Musacchio, Susanna Falsaperla, Anna Scolobig	Invited 593 Stress Differences and their role in identifying source process properties at different tectonic environments Ramón Zúñiga , Quetzalcoatl Rodríguez-Pérez
14:15	421 Integrating Strong and Weak Motion Data from the Hualien M7.4 Earthquake and its Aftershocks Geoffrey Bainbridge , Bruce Townsend, Yin Li	462 Seismic swarms as intermittent quasi-static ruptures driven by pore pressure variations due to the water reservoir impoundment Beata Orlecka-Sikora , Lukasz Rudziński, Monika Staszek, Grzegorz Lizurek, Krzysztof Mizerski	007 Soil-building resonance effects: Assessment of the Casco Antiguo (Historic District) of Panama Ivan Alvarez , Ana S. Velásquez, Luis A. Pinzón, Rodrigo E. Alva	199 "A Scuola di Terremoto": A targeted risk education project in Calabria (South Italy) to promote behavioural change Pierdomenico Del Gaudio , Flaminia Brasini, Romano Camassi, Emanuela Ercolani, Annachiara Giambattista, Manuela Lopez, Vera Pessina	
14:30	780 Dynamic inversion of the moderate earthquakes before the mainshock of the 2024 Noto Peninsula, Japan, earthquake Hideo Aochi	487 Overview of some new tools applied to the study of reservoir-triggered seismicity Jan Wiszniowski , Grzegorz Lizurek, Anna Tymńska, Monika Staszek	018 Soil-structure-interaction effects on conventional and seismically protected building structures Evangelos Sapountzakis , Konstantinos Kapasakalis	158 "Favole e filastrocche per la Terra": A new avenue to science-theatre Gaia Soldati , Maria Grazia Ciaccio, Giovanna Lucia Piangiamore, Gianfilippo De Astis, Massimo Crescimbene	249 The 1857 Historic Plate Boundary-Rupturing Strong (Mw7.9) Earthquake in Southern California, USA and Subsequent Seismicity Egill Hauksson
14:45	687 The 2023 Afghanistan Earthquake Sequence, Reported to the International Seismological Centre (ISC) Thomas Garth , Burak Sakarya, Karim Sigloch		291 Wind turbines as a metamaterial-like urban layer: an experimental investigation using a dense seismic array and complementary sensing technologies Marco Pilz , Philippe Roux, Shoaib Ayjaz Mohammed, Fabrice Cotton	649 25 Years of INGV's Education and Outreach: Bridging Science and Society Giuliana D'Addezio	844 Improving a low-cost data logger system for monitoring critical seismic event parameters for a short to medium distance Ioannis Vlachos, Nikolaos Avgoustis, Vasileios Karakostas, Markos Avlonitis



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15:00-16:30	<p>Session 28/40: Seismic interferometry, ambient noise and seismo-acoustic: From theory to monitoring (Part 1)</p> <p><u>Conveners:</u> Regina Maass - Raphael De Plaen</p>	<p>Session 31: Advances in monitoring, modeling, hazard assessment, and inputs for managing of anthropogenic seismicity (Part 3)</p> <p><u>Conveners:</u> Alexander Garcia - Beata Orlecka-Sikora</p>	<p>Session 37: Characterization of urban built environment for seismic risk reduction (Part 3)</p> <p><u>Conveners:</u> Deniz Ertuncay - Chiara Scaini</p>	<p>Session 38: Geophysical testing and modelling of seismic site effects in complex geomorphological environments (Part 1)</p> <p><u>Conveners:</u> Samuel Bignardi - Giovanna Vessia</p>	<p>Session 32: Data and process in seismic hazard: a TREAD-Fault2SHA joint session (Part 1)</p> <p><u>Conveners:</u> Bruno Pace - Oona Scotti</p>
15:00	<p>223 <i>On the undesired behaviour of higher-order correlations</i> Sven Schippkus, Gregor Hillers, Céline Hadziioannou</p>	<p>049 <i>Automatic seismic event detection for surface networks monitoring mining-induced seismicity</i> Jakub Kokowski, Krystyna Milián, Hubert Siejkowski, Joanna Kocot</p>	<p>380 <i>Integrating Field Data and Advanced Modeling for Seismic Vulnerability Assessment: A Case Study on a Hospital Building in Orihuela, Spain</i> Alireza Kharazian, Arianna Guardiola Villora, Gonzalo Ortuño Saez, Sergio Molina, Juan José Galiana-Merino, Juan Luis Soler Llorens, Jose-Antonio Huesca Tortosa, Igor Gómez Doménech, David Montiel López</p>	<p>100 <i>Contribution of AEM data to site effects mapping in Mayotte Island</i> Agathe Roullé, Anne Raingeard, Pierre Alexandre Reninger, Florent Beaubois, Grégoire Dectot, Ludivine Sadeski, Adnand Bitri, Célia Mato, Cécile Gracianne</p>	<p>387 <i>Slip history and retreat rate of a limestone active fault scarp investigated revealed by high resolution topographic survey (Mt. Vettore, central Italy 2016 earthquakes)</i> Alessio Testa, Paolo Boncio</p>
15:15	<p>243 <i>Decomposition of the time variation of shallow seismic wave velocities using generalized additive models</i> Zafeiria Roumelioti, Fabrice Hollender, Ioannis Grendas, Aggeliki Kyriou</p>	<p>140 <i>Detecting fault instabilities using fiber optic based monitoring at the Garpenberg ore mine, Sweden – FIMOPTIC project</i> Jannes Kinscher, Pascal Bernard, Mariano Arnaiz Rodriguez, Claudio Satriano, Guy Plantier, Philippe Menard, Romain Feron, M. Feuilloy, Francesca De Santis, Emmanuelle Klein</p>	<p>469 <i>Estimation of soil vulnerability index in the metropolitan area of Thessaloniki (Greece)</i> Maria Gryllionaki, Nikolaos Theodoulidis, Areti Panou, Panagiotis Chatzidimitriou, George Papatathanasiou, Ioannis Grendas, Eirini Chatzianagnostou</p>	<p>294 <i>Site response at permanent stations in the High Agri Valley (Basilicata - Italy)</i> Nicola Tragni, Giovanna Laurenzano, Peter Klin, Tony Alfredo Stabile, Maria Rosaria Gallipoli</p>	<p>715 <i>New paleoseismic evidence for a comprehensive analysis of an entire transect of the Alhama de Murcia Fault (SE Spain)</i> Marc Ollé-López, Octavi Gómez-Novell, Domitille Dufour, Júlia Molins-Vigatà, Raquel Martín-Banda, Juan Miguel Insúa-Arévalo, Stéphane Baize, Giorgi Khazaradze, Raimon Pallàs, Eulàlia Masana</p>
15:30	<p>166 <i>Comparing ambient noise and attenuation tomography to reveal the anatomy of Lusi, Indonesia</i> Iván Cabrera Pérez, Matteo Lupi, Adriano Mazzini, Jean Soubestre</p>	<p>428 <i>Overcoming Urban Noise and Model Uncertainty: Induced Seismicity Monitoring in Dutch Geothermal Fields</i> David Naranjo, Boris Boullenger, Deyan Draganov</p>	<p>750 <i>Seismic baseline characterization and real-time monitoring of urban built environment: two Romanian demonstrators</i> Alexandru Tiqanescu, Dragos Toma-Danila, Bogdan Grecu, Cristian Neagoe, Alexandru Marmureanu, Alina Coman, Carmen Cioflan, Constantin Ionescu, Razvan Munteanu, Simona Bianchi</p>	<p>323 <i>Estimating the nonlinear site response and liquefaction potential at urban scale with CPT-calibrated soil models</i> Paulina Janusz, Paolo Bergamo, Luis Fabian Bonilla, Francesco Panzera, Daniel Roten, Karina Loviknes, Donat Fäh</p>	<p>021 <i>A comparison study between 1d, 2d and 3d site response analyses based on observed earthquake acceleration records</i> Shima Shamekhi, Atilla Ansal, Shima Sadeghzadeh</p>
15:45	<p>138 <i>Monitoring active volcanoes along the Hellenic arc using ambient noise interferometry</i> Christos Evangelidis</p>	<p>623 <i>INGV-CMS: An Operational Center for the monitoring and risk mitigation of Anthropogenic Underground Operations in Italy</i> Gilberto Saccorotti, Letizia Anderlini, Mario Anselmi, Thomas Braun, Marco Caciagli, Simona Carannante, Maddalena Errico, Daniela Famiani, Alexander Garcia, Irene Molinari, Andrea Morelli, Simone Salimbeni, Maurizio Vassallo, Lucia Zaccarelli, Paolo Zerbinato</p>	<p>667 <i>Active fault characterization in an urban setting: seismic hand streamer approach to mapping latest Quaternary deformation</i> Lee Liberty, Thomas Otheim</p>	<p>384 <i>Valorisation of archive HVSR data for seismic microzonation studies</i> Samuel Bignardi, Nicola Florio, Doriana Attolico, Luigi Grosso, Domenico Bruno, Antonio Valerio, Dario Milella, Giovanna Vessia</p>	<p>248 <i>Slow-Slip Earthquakes in PSHA for Subduction Zones, a study case for Costa Rica</i> Mario Arroyo-Solórzano, Fabrice Cotton, Graeme Weatherill, Jorge Jara, Álvaro González</p>



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16:00	746 <i>Shannon entropy and cross-entropy for volcano monitoring in the Canary Islands</i> Aarón Álvarez Hernández , Luca D'Auria, Carmen Benitez, Jesús Ibañez, Pablo Devesa, Ligdamis Gutiérrez, Janire Prudencio, Nemesio Pérez	604 <i>Array design: How can we maximize the event detectability on Carbon Capture Storage and geothermal stimulation sites?</i> Emmanouil Parastatidis , Alexandros Savvaidis		008 <i>Application of combined geophysical methods for seismic-site characterization and underground cavity detection: A case study of P.zza San Giustino (Chieti, Italy)</i> Chiara Faraone , Fabio Colantonio, Giovanna Vessia	
16:15		552 <i>New Insights from High-Accuracy Localizations and Geomechanical Models on Flooding-Induced Seismicity in an Abandoned Coal Mine in the Ruhr Area (Germany)</i> Martina Rische, Thomas Niederhuber, Birgit Müller, Kasper David Fischer , Wolfgang Friederich		526 <i>Seismic site amplification effects in valleys and sedimentary basins: a systematic study for Switzerland</i> Paolo Bergamo , Francesco Panzera, Anastasiia Shynkarenko, Franziska Glüer, Donat Fäh	
16:30-17:30	Break & Poster Session I				
17:30-18:30	Session 28/40: Seismic interferometry, ambient noise and seismo-acoustic: From theory to monitoring (Part 2) Conveners: Julien Barriere - Sven Schippkus	Session 31: Advances in monitoring, modeling, hazard assessment, and inputs for managing of anthropogenic seismicity (Part 4) Conveners: Alexander Garcia - Gilberto Saccorotti	Session 01: Seismic anisotropy and shear-wave splitting: Achievements and perspectives Conveners: Silvia Pondrelli - George Kaviris	Session 38: Geophysical testing and modelling of seismic site effects in complex geomorphological environments (Part 2) Conveners: Samuel Bignardi - Chiara Faraone	Session 32: Data and process in seismic hazard: a TREAD-Fault2SHA joint session (Part 2) Conveners: Bruno Pace - Laura Peruzza
17:30	031 <i>Long term infrasound measurements and seismo-acoustical analyses as a passive probe for climate change</i> Láslo Evers , Jelle Assink, Shahr Shani-Kadmiel	590 <i>Spatiotemporal medium velocity variations in response to water injection at the Geysers geothermal field (California) inferred by coda waves of repeating earthquakes</i> Maha Adil , Mauro Palo, Aldo Zollo	217 <i>Upper crustal deformation mechanisms in the NE Tibetan plateau revealed by seismic anisotropy and GNSS data</i> Shuyu Li , Yuan Gao, Honglin Jin	508 <i>Site response analyses and zonation: Application in the lower Sarca Valley North of Lake Garda (Italy)</i> Giovanna Laurenzano , Marco Garbin, Stefano Parolai, Carla Barnaba	500 <i>Understanding surface fault ruptures across earthquake cycles by combining physics-based earthquake simulations and paleoseismic data</i> Octavi Gómez Novell , José Antonio Álvarez-Gómez, Francesco Visini, Bruno Pace
17:45	488 <i>Investigating seismic and infrasound signal generation through dynamic avalanche modeling</i> Christine Seipel , Selina Jäckle, Cristina Pérez-Guillén, Andri Simeon, Perry Bartelt, Andreas Fichtner, Alec van Herwijnen	745 <i>Development of Ground Motion Models for Shallow Seismicity: A case study from the Val D'Agri area, Southern Italy</i> Abdul Moiz Zaheer , Alexander Garcia, Licia Faenza, Beata Orlecka-Sikora, Stanisław Lasocki, Agnieszka Mtupa-Ndiaye	342 <i>Seismic anisotropy and stress-field variations along the Dead Sea Fault zone in northern Israel</i> Guy Ben-Dor , Ittai Kurzon, Ram Weinberger, Michael Tsesarsky	652 <i>Investigation of ground motion amplification at mountain summits during earthquakes using numerical wavefield modeling</i> Fabian Limberger , Georg Rumpker	493 <i>Evaluating probabilities of earthquake fault jumps from 2D numerical simulation of seismic cycles</i> Sylvain Michel , Oona Scotti, Sebastien Hok, Harsha Bhat, Navid Kheirdast, Michelle Almakari, Jinhui Cheng
18:00	577 <i>The infrasound signature of the 6-hour long flank eruption of Nyiragongo volcano (D.R. Congo) on 22 May 2021</i> Julien Barrière , Adrien Oth, Jelle Assink, Láslo Evers	492 <i>Stress changes and seismicity in Malmberget mine (Sweden)</i> Hamid Sabeti , Kristina Jonsson, Savka Dineva	146 <i>Gradual crustal deformation beneath the faults intersection and its seismicity indication: evidence of S-wave splitting from microseismic identification</i> Xinyi Li , Yuan Gao	806 <i>Application of geophysical investigations in a forensic structural engineering case of differential settlements</i> Regina Finocchiaro , Samuele Biondi, Alessandro Pagliaroli	184 <i>Probabilistic approach to the tsunami hazard posed by the Bajo Segura Fault (SE Spain) from long term physics-based earthquake simulations</i> José A. Álvarez-Gómez , Paula Herrero-Barbero, Hector Perea



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18:15			<p>447 <i>Crustal deformation and tectonics of the Eastern Tianshan mountain revealed by P-wave seismic anisotropy tomography</i> Anhui Sun, Dapeng Zhao, Yuan Gao, Qi-Fu Chen</p>	<p>705 <i>Seismic microzoning of San Cristóbal de La Laguna (Tenerife, Canary Islands)</i> David Martínez van Dorth, Iván Cabrera-Pérez, Víctor Ortega Ramos, Rubén García, José Barrancos, Germán D. Padilla, Monika Przeor, Luca D'Auria, Nemesio M. Pérez</p>	<p>522 <i>How many and where: impact of modeling ruptures in distributed seismicity sources on hazard results</i> Jarod Domenge, Marco Pagani, Federico Agliardi, Céline Beauval, David Marsan, Oona Scotti, Anne Socquet</p>
18:30				<p>517 <i>Seismic response and stability of subaqueous slopes in Swiss lakes evaluated using seismological and geotechnical data</i> Anastasiia Shynkarenko, Paolo Bergamo, Katrina Kremer, Agostiny Marrios Lontsi, Donat Fäh</p>	
18:30-20:30	<p>EPOS Seismology Community Event: «The future of global research infrastructures in solid earth science»</p> <p>Lilli Freda: The vision of EPOS-ERIC on global collaborations Carlo Cauzzi: Observatories and Research Facilities for European Seismology (Orfeus) global collaborations Remy Bossu: European-Mediterranean Seismological Centre (EMSC) global collaborations Fatemeh Jalayer: European Facility for Earthquake Hazard and Risk (EFHR) global collaborations Dave Mencin: Earthscope Tim Rawling (pre-recorded): Auscope (Australia) Elizabetta D' Anastasio (pre-recorded): GNS Science (New Zealand) Paul Earle: United States Geological Survey (USGS) <i>Open Discussion and community feedback</i></p>				



Poster Session I

Monday, September 23, 2024 | 11:00-11:30 & 16:30-17:30

Session 01: Seismic anisotropy and shear-wave splitting: Achievements and perspectives

PP01	122 Significant spatial variation of upper crustal anisotropy in southern Sichuan basin, China: Constraints from local shear wave splitting analysis Zhengyang Qiang , Qingju Wu, Yonghua Li
PP02	274 The Vs velocity and seismic anisotropy in the North-South Seismic Belt of China Xuemei Zhang , Zhigao Yang, Guangbao Du, Yihai Yang, Wen Yang, Haixia Shi, Jie Liu
PP03	288 Peeking inside the mantle structure beneath the Italian region through SKS shear wave splitting anisotropy: A review Silvia Pondrelli, Simone Salimbeni , Paola Baccheschi, Judith M. Confal, Lucia Margheriti
PP04	304 Study on SKS splitting patterns of upper mantle peridotite with arbitrary spatial orientation Chongtao Hao , Chen Yao, Xiangyu Sun
PP05	326 Anisotropy tomography beneath Central and Southern Italy Paola Baccheschi, Judith M. Confal, Silvia Pondrelli
PP06	348 Azimuthally anisotropic Rayleigh-wave phase-velocity maps of Europe Chiara Civiero , Antonio Villaseñor, Raffaele Bonadio
PP07	445 Seismic anisotropy of Red River fault zone in the SE margin of Tibetan plateau and dynamic implications Yuan Gao , Ying Li, Jianhui Tian, Xinyi Li, Yutao Shi, Peng Wu, Qiong Wang, Yuanyuan V. Fu
PP08	721 A Machine-Learning evaluation of shear-wave splitting temporal patterns in Styra, Greece Ioannis Spingos , George Kaviris, Vasilis Kapetanidis, Angelos Zymvragakis, Eleftheria Papadimitriou, Filippos Vallianatos
PP09	731 Upper-mantle velocity structures and anisotropy under the Mongol-Baikal region Hanting Wu , Zhouchuan Huang
PP10	863 Investigating upper mantle anisotropy beneath the western Carpathians and Sudetes using shear-wave splitting analysis Julia Rewers , Piotr Środa, PACASE and AniMaLS Working Groups

Session 08/09: Physics of earthquake preparation process: From laboratory experiments to earthquake forecast

PP11	116 Modeling short-term clustering characteristics of earthquake sequences along the Kefalonia Transform Fault Zone (KTFZ), Greece, via epidemic-type models Christos Kourouklas, Pavlos Bonatis, Eleftheria Papadimitriou, Vasileios Karakostas
PP12	470 The 2023 Targu Jiu (Romania) earthquakes sequence: Fore-, main-, and aftershocks, seismotectonics, focal mechanism catalog and source inversion Andreea Craiu , Marius Mihai, Marius Craiu, Mihail Diaconescu, Alexandru Marmureanu
PP13	761 Assessing GNSS-derived displacements at the near and far-field of the 2023 Turkey earthquake doublet Panagiotis Psimoulis, Dimitrios Anastasiou , Xanthos Papanikolaou, Maria Tsakiri

Session 28/40: Seismic interferometry, ambient noise and seismo-acoustic: From theory to monitoring

PP14	198 Preliminary seismic analysis of bedload discharge at Tagliamento River during flooding events Mario Valerio Gangemi , Alfio Marco Borzi, Andrea Cannata, Flavio Cannavò, Stefano Parolai, Concetto Spampinato, Luca Zini, Francesco Panzera
PP15	286 Using seismic noise to monitor river flood: a case study of Cimia River (Sicily, Italy) Alfio Marco Borzi, Mario Valerio Gangemi , Andrea Cannata, Federico Castiglione, Luca Cavallaro, Enrico Foti, Rosaria Ester Musumeci, Francesco Panzera
PP16	454 Surface Wave Tomography from Ambient Seismic Noise: Studying a Mineralized Extensional Dome in the Variscan Central Iberian Zone (Spain) Imma Palomeras , Puy Ayarza, Juan Gómez-Barreiro, Jose Ramon Martinez-Catalan, Yolanda Sanchez-Sanchez, Kelvin Dos Santos, Mariano Yenes, Santos Barrios, Javier Elez, Irene DeFelipe
PP17	479 Black Sea storm influence on ambient seismic noise recorded by stations located in Romania and neighboring countries Andreea Tolea , Bogdan Grecu, Iren Adelina Moldovan, Victorin Toader, Cristian Neagoe



PP18	519 <i>A preliminary seismic group velocity model for La Palma island from ambient noise correlations after the 2021 eruption using a dense broadband network</i> Javier Tortosa , Javier Almendros
PP19	646 <i>Seismic velocity variations around an Underground Gas Storage (northern Italy)</i> Mariangela Guidarelli , Maria Adelaide Romano, Piero Poli, Marco Romanelli
PP20	678 <i>Temporal variations of seismic velocities in the Bohemian Massif observed from correlation of ambient seismic noise</i> Sourav Mandal , Tomas Fischer, Bohuslav Růžek
PP21	711 <i>Monitoring Northeast Atlantic Ocean Wave Heights Using Terrestrially Recorded Seismic Signals</i> Samaneh Baranbooei , Christopher J. Bean, Martin White
PP22	714 <i>Real-time denoising of seismo-acoustic signals by discrete wavelet transform</i> Bernd Weber , Dirk Rößler
PP23	833 <i>Sensing natural and human activity through ambient seismic noise: Local characteristics of ambient seismic noise in Corfu Island, Greece</i> Dimitrios Giannopoulos , Athanasios Lois
PP24	836 <i>Preliminary observations from a Seismic Ambient Noise Analysis at Methana Volcano, Greece</i> Dimitrios Giannopoulos , Christos Evangelidis, Efthimios Sokos
PP25	847 <i>Toward real time avalanche detection with Distributed-Acoustic-Sensing and telecom dark fiber</i> Pascal Edme , Patrick Paitz, Andreas Fichtner, Alec van Herwijnen, Fabian Walter
PP26	852 <i>MSNoise 2.0 - what's new?</i> Thomas Lecocq , Raphaël De Plaen, Laure Brenot, Alec Yates, Aurélien Mordret, Koen Van Noten, Corentin Caudron

Session 31: Advances in monitoring, modeling, hazard assessment, and inputs for managing of anthropogenic seismicity

PP27	011 <i>Geotechnical and geophysical characterization of the Tizirt landslides Algeria</i> Ghani Cheikh Lounis , Djamel Machane, Youcef Mansour
PP28	038 <i>Seismic activity and stress field changes in the adjacent area induced by the impoundment of Baihetan Reservoir in China</i> Heng LIU, Zhen Fu , Jianping WU, Lisheng XU, Xu ZHANG, Chunlai LI, Lu Li
PP29	057 <i>Earthquake ground motion scenarios for the cities of Varna and Blagoevgrad (Bulgaria)</i> Dimcho Solakov, Stela Simeonova, Plamena Raykova-Tsankova
PP30	128 <i>Concert-induced seismicity signal improvement by time-frequency analysis – a case study of Rammstein concert in Poland</i> Maciej Mendecki , Karol Abratkiewicz
PP31	208 <i>The deep magnetic structure and thermal structure of Changning area: based on magnetic anomaly model</i> Chao Dong
PP32	587 <i>A collection of GMPEs for induced seismicity</i> Elmer Ruigrok, Pauline Kruiver
PP33	821 <i>Characterizing the quarry blasts from Suseni exploitation site in Romania using broadband seismic station recordings at local and regional distances</i> Dragos Tataru , Natalia Poiata, Iulia Armeanu, Bogdan Grecu, Eduard Nastase
PP34	823 <i>Monitoring of mine seismicity at the iron ore deposit</i> Alina Besedina , Gevorg Kocharyan

Session 32: Data and process in seismic hazard: a TREAD-Fault2SHA joint session

PP35	374 <i>Unveiling seismic hazard dynamics in the Alboran Sea: exploring fault behavior and rupture patterns through modelling tools</i> Hector Perera , Octavi Gómez-Novell, María José Jiménez, Mariano García-Fernández, Lucía Lozano, Julián García-Mayordomo, José Luis Sánchez-Roldán, Ariadna Canari, Sara Martínez-Loriente
PP36	490 <i>Modelling synthetic catalogues of earthquake ruptures in complex interacting fault systems</i> Khatereh Saghatforoush , Bruno Pace, Alessandro Verdecchia, Francesco Visini, Laura Peruzza



PP37	811 <i>The OpenQuake Model Building Toolkit: Tools for constructing seismic hazard model components</i> Kirsty Bayliss , Christopher Brooks, Kendra Johnson, Marco Pagani, Anna Rood, Richard Styron, Manuela Villani
PP38	867 <i>3D fault geometry and deep fault slip-rate inversion using high-precision location repeating earthquakes and its implication for seismic hazard assessment of active faults</i> Xiaoliang Zhang , Fei Deng, Minghui Hao
PP39	880 <i>Integrating modern technologies in paleoseismology for enhanced detection of earthquake horizon events</i> John Jairo Gallego Montoya , Maria Ortuño Candela, Lucilla Benedetti, Moritz Kirsch, Magali Riesner, Eulalia Masana, Marc Ollé Lopez, David Garcia Selles, Giorgi Khazaradze, Eduardo García Meléndez

Session 37: Characterization of urban built environment for seismic risk reduction

PP40	242 <i>Soil-building resonance effect in the urban area of the city of Potenza (southern Italy)</i> Giovanni Gangone , Maria Rosaria Gallipoli
PP41	329 <i>Dynamic response of rigid structures on highly deformable soil: insights from M. K. Ghandi Institute, Pontedera, Italy</i> Francesco Trovatelli, Riccardo Mario Azzara , Marco Tanganelli
PP42	330 <i>Dynamic characterization of a large multi-story masonry building: The Ex-Ciechi Institute, Florence, Italy</i> Riccardo Mario Azzara, Vieri Cardinali, Maria Teresa Cristofaro, Maria Vittoria De La Cruz, Mario De Stefano, Elisabetta Di Rienzo, Antonio Morales Esteban, Mariachiara Petrolini, Emilio Romero Sanchez, Marco Tanganelli , Francesco Trovatelli, Nicoletta Vettori
PP43	727 <i>Ambience Vibration Testing (AVT) results to estimate the predominant periods of soil motion (Ts) and the shear wave velocity profile (Vs) as a function of depth in an anthropic soil zone (infills), associated with a section of a new tunnel line of the Mexico City METRO</i> Jorge Arturo Ávila Rodríguez , Roberto Duran, Jorge A Avila-Haro
PP44	736 <i>Characterization of buildings and soils from ambient noise: findings and implications for a historic building in Trieste (Italy)</i> Giorgio Capotosti , Laura Cataldi, Deniz Ertuncay, Valerio Poggi, Chiara Scaini
PP45	666 <i>Vertical displacements estimation of a bridge-type structure in Mexico City with triaxial accelerometers and dynamic loading tests and soils' dynamic characterization through the structural design natural period and ambient vibration tests</i> Jorge Arturo Ávila Rodríguez , Roberto Duran, Jorge A. Avila-Haro
PP46	799 <i>Experimental analysis of the traffic-induced vibration on monuments in the city of Thessaloniki (Greece)</i> Despina Kementzetzidou , Ioanna Karagianni, Parthena Paradisopoulou, Domenikos Vamvakaris, Eleni Karagianni, Christos Kourouklas, Pavlos Bonatis
PP47	125 <i>Collection of database of site parameters for Croatia based on active and passive seismic methods</i> Davor Stanko , Snježana Markušić, Bruno Mravlja, Nikola Belić

Session 38: Geophysical testing and modelling of seismic site effects in complex geomorphological environments

PP48	109 <i>Ambient vibration survey and 3D FEM analysis of a complex mountain: Understanding ridge effects on directional amplification</i> Kodai Kato , Anirban Chakraborty, Daiki Yamashita, Ryota Otake, Hitoshi Morikawa, Hisakazu Sakai, Kentaro Emoto, Issei Doi
PP49	297 <i>Evidence for three-dimensional effects from numerical FLAC3D simulations: a non-linear analysis in a complex study area</i> Ilaria Primofiore, Monia Calista, Giovanna Laurenzano, Giovanna Vessia
PP50	535 <i>Application of seismic-noise methodologies for exploration of critical raw materials: the case study of Mina Concepción (Pyrite Belt, SW-Spain)</i> Helena Seivane , David Martí, Martin Schimmel, Giulio Casini, Grant George Buffett
PP51	760 <i>Simulation of the 3D seismic effect in complex geomorphological environments in Greece, utilizing geophysical data</i> Evangelos Mouzakiotis , Vassilios Karastathis, Sotirios Sboras, Tatyana Novikova, George Drakatos
PP52	887 <i>1D Simulation of local seismic response using NC92Soil software: A case study in the Basilicata region, Italy</i> Giuseppe Calamita , Maria Rosaria Gallipoli, Stefano Catalano, Attilio Porchia, Giuseppe Tortorici, PRIN SERENA WP06 Working Group
PP53	899 <i>Estimation of the Local Seismic Response: Dependence on input parameters and reference earthquake</i> Patrizia Capizzi , A. Carollo, R. Martorana, S. Santangelo

Session 46: The role of communication and dissemination in the relationship between research and society

PP54	083 <i>From Twitter to Telegram, via WhatsApp: The role of bots in providing rapid information on earthquakes and crowdsourcing witness observations</i> Jean-Marc Cheny , Rémy Bossu, Frédéric Roussel, Camille De Carolis
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PP55	409 <i>The potential of personalized hazard early - warnings: assessing acceptance and effectiveness</i> Lorena Daphna Kuratle , Irina Dallo, Michèle Marti, Michael Stauffacher
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Session 48: Recent Large and Devastating Earthquakes

PP56	340 <i>Discussion on seismogenic structure and mechanical mechanism of Lushan Ms7.0 and Ms6.1 earthquakes in Sichuan</i> Zhiwei Zhang
PP57	373 <i>An update on the ISC Seismic Event Bibliography</i> Natalia Poiata , Domenico Di Giacomo
PP58	582 <i>Analysis of impulsive ground motions from February 2023 Kahramanmaraş earthquake sequence</i> Deniz Ertuncay , Giovanni Costa
PP59	589 <i>Examination of the change in H/V spectral ratio values before and after the February 6, 2023, Türkiye earthquakes: The case study of Iskenderun City</i> Helena Seivane , Kaan Hakan Çoban, Erdem Bayrak
PP60	802 <i>Ground Motion Characteristics and Implications for Structural Damage during the February 6th, 2023 Kahramanmaraş Earthquakes, Türkiye</i> Aybige Akinci , Ahmet Anil Dindar, Deniz Ertuncay, Eleni Smyrou, Daniele Cheloni



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TIME	KERKYRA BALLROOM	KERKYRA CORRIDOR HALL	LEFKAS-ZANTE HALL	PAXI-ITHAKA HALL	KROKIDIS HALL
08:30-09:30	<p>Session 27: Innovating and integrating: Bringing new science into Earthquake Hazard and Risk Assessment for Europe (Part 1)</p> <p><u>Conveners:</u> Roberto Basili - Graeme Weatherill</p>	<p>Session 07/15: Methodological advancements and their multidisciplinary applications in solid Earth science in general and single-station seismometry in particular</p> <p><u>Conveners:</u> Jan Michalek - Helena Seivane</p>	<p>Session 26/43: Advances in Archaeoseismology, Techniques and Field Cases (Part 1)</p> <p><u>Conveners:</u> Arnaud Montabert - Shmulik Marco</p>	<p>Session 22: The International Macroseismic Scale of 2024 (IMS-2024) and related research and development (Part 1)</p> <p><u>Conveners:</u> Robin Spence - Jochen Schwarz</p>	<p>Session 11: Seismological data workflows from seismic network management to novel data products (Part 1)</p> <p><u>Conveners:</u> Susana Custódio - Carlo Cauzzi</p>
8:30	<p>168 <i>Impact of previously unrecognized faults on revised seismic hazard estimates through case studies from Greece</i> Nikolaos Vavlas, Anastasia Kiratzi</p>	<p>028 <i>Geophysical investigations to quantify seismic hazard at archeological sites of Epidaurus, Kalapodi and Egina Kolona (Greece)</i> Yawar Hussain, Stefano Rivellino, Guglielmo Grechi, Salvatore Martino</p>	<p>718 <i>Interpreting pre-instrumental data: bias toward main-fault branches and the Carmel Fault as a case study</i> Amotz Agnon, Shmuel Marco, Adi Erlich, Rona Evyasaf</p>	<p>Invited 293 <i>Challenges in Describing the Global Building Stock for the International Macroseismic Scale</i> Robin Spence, Jochen Schwarz, Thomas Wenk, Vitor Silva, Emily So, David Wald</p>	<p>371 <i>ISC procedure for automatic magnitude estimation based on waveform data</i> Natalia Pojata, Domenico Di Giacomo</p>
8:45	<p>381 <i>Unveiling Seismic Hazard in the Adriatic Thrust Zone of Italy Through Advanced 3D Smoothed Seismicity Analysis</i> Claudia Pandolfi, Matteo Taroni, Rita de Nardis, Giusy Lavecchia, Aybige Akinci</p>	<p>052 <i>Stress memory effect of amphibolites collected from various crustal depths</i> Tomas Lokajicek</p>	<p>726 <i>The legend of Lost Cities, at the site of the 2023 Mw 7.8 earthquake in southern Turkiye and northern Syria</i> Reda Sbeinati, Mustapha Meghraoui</p>		<p>778 <i>FAIR and open data: State of affairs for seismological networks and infrastructures globally</i> Florian Haslinger, Elisabetta D'Anastasio, Jerry Carter, Rob Casey, Mohamed ElGabry, Jonathan Hanson, Helle Pedersen, Javier Quinteros, Lesley Wyborn</p>
9:00	<p>720 <i>Acknowledging the regional variability of b-value: A precondition for safer seismic hazard assessment</i> Gianluca Valensise, Rodolfo Console, Roberto Carluccio, Paola Vannoli</p>	<p>141 <i>Streamlining p-wave receiver function analysis: Time savings through AI-enhanced quality control automation</i> Sina Sabermahani, Andrew Frederiksen</p>	<p>048 <i>Uncovering Segesta's seismic past: Exploring ancient ruins and earthquake hazard</i> Carla Bottari, Pierfrancesco Burrato, Alessandro Canzoneri, Alessandra Carollo, Patrizia Capizzi, Gino Dardanelli, Luigi Ferranti, Mauro Lo Brutto, Antonino Maltese, Raffaele Martorana, Francesco Sortino</p>	<p>315 <i>Description of a building stock following IMS classification scheme - the case study of Aigio, Greece</i> Andre Schwarz, Lissethe F.G. Lamadrid, Jochen Schwarz</p>	<p>677 <i>ORFEUS data services, products and community activities to promote observational seismology in the euro-Mediterranean region and beyond</i> Carlo Cauzzi, John Clinton, Wayne Crawford, Susana Custódio, Sebastiano D'Amico, Christos Evangelidis, Christian Haberland, Anastasia Kiratzi, Petr Kolínský, Lucia Luzi, Zafeiria Roumelioti, Jonathan Schaeffer, Karin Sigloch, Reinoud Sleeman, Angelo Strollo</p>
9:15	<p>397 <i>Python Package of Computer Codes for Assessment of Earthquake Recurrence Parameters on Incomplete Catalogues, Uncertain Magnitudes, and Complex Model</i> Jan Wiszniowski, Andrzej Kijko</p>	<p>352 <i>Exploring Machine Learning Applications for Enhanced Functionality in the EPOS Portal</i> Luca Trani, Alessandro Spinuso, Rossana Paciello, Joanna Kocot, Valerio Vinciarelli, Daniele Bailo</p>	<p>034 <i>Deformation comparison between Doric Temples at Segesta, North-West Sicily</i> Klaus-G. Hinzen, Carla Bottari, Pierfrancesco Burrato, Luigi Ferranti, Arnaud Montabert, Peter Mora</p>		<p>892 <i>The Engineering Strong Motion database: Webservices and products for data and metadata distributions</i> Lucia Luzi, Chiara Felicetta, Emiliano Russo, Maria D'Amico, Claudia Mascandola, Lorenzo Vitrano, Sara Sgobba, Giulio Brunelli, Francesca Pacor</p>
09:30-10:00	Break & Poster Session II				



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TIME	KERKYRA BALLROOM	KERKYRA CORRIDOR HALL	LEFKAS-ZANTE HALL	PAXI-ITHAKA HALL	KROKIDIS HALL
10:00-11:30	<p>Session 27: Innovating and integrating: Bringing new science into Earthquake Hazard and Risk Assessment for Europe (Part 2)</p> <p>Conveners: Olga-Joan Ktenidou - Roberto Basili</p>	<p>Session 10/14: Control on fault slip nucleation and dynamics: role of fluids, physical mechanisms at play, and their interplay (Part 1)</p> <p>Conveners: Mauro Palo - Carolina Giorgetti</p>	<p>Session 26/43: Advances in Archaeoseismology, Techniques and Field Cases (Part 2)</p> <p>Conveners: Klaus-G. Hinzen - Carla Bottari</p>	<p>Session 22: The International Macroseismic Scale of 2024 (IMS-2024) and related research and development (Part 2)</p> <p>Conveners: Robin Spence - Jochen Schwarz</p>	<p>Session 11: Seismological data workflows from seismic network management to novel data products (Part 2)</p> <p>Conveners: John Clinton - Christos Evangelidis</p>
10:00	<p>474 Evaluation and refinement of apparent anelastic attenuation regionalisation in pan-European Ground Motion Models Pauline Georges, Sreeram Reddy Kotha, Emmanuel Chaljub</p>	<p>Invited 390 The coupling between tectonic stresses, fluid pressure, and earthquakes: insights into natural and human-induced seismicity Ashley Stanton-Yonge, Thomas Mitchell, Philip Meredith, Almudena Sanchez De La Muela, Rebecca Pearce, Sandra Snæbjörnsdóttir, James Hammond, Jose Cembrano, Max Moorkamp</p>	<p>270 Ambient vibration-based analysis and monitoring of historic buildings in Cusco, Peru. Contributions and perspectives for Archaeoseismology Andy Combey, Diego E Mercerat, Carlos Benavente, Jonathan Díaz, Julio Rojas, Fabrizio Delgado</p>	<p>Invited 127 Coupling post-earthquake building damage data collection with the International Macroseismic Scale (IMS) Al Mouayed Bellah Nafeh, Vitor Silva, Ayse Hortacsu, David Wald</p>	<p>733 Developing a next generation platform for geophysical data sets and services Chad Trabant, Henry Berglund, David Mencin, Jerry Carter</p>
10:15	<p>334 A Bayesian Update of Kotha et al. (2020) Ground-Motion Model Using Résif Dataset Sreeram Reddy Kotha, Paola Traversa</p>	<p>897</p>	<p>534 Is an earthquake scenario compatible with the fall of the 'Grand Menhir Brisé' of Locmariaquer (Brittany, France)? Arnaud Montabert, Cédric Giry, Raphaël Pelenc, Amine Ben Dahou, Mickaël Bonnin, Damien Fligiel, Patrick Launeau, Clément Perrin, Serge Cassen, Héléne Lyon-Caen, Antoine Mocquet</p>	<p>810 A theoretical comparison among macroseismic scales used in Italy Gianfranco Vannucci, Barbara Lolli, Paolo Gasperini</p>	<p>758 Towards the next generation of federated seismological data services Angelo Strollo, Jerry Carter, Carlo Cauzzi, John Clinton, Peter Danecek, Christos P. Evangelidis, Peter Evans, Andres Heinloo, Nikolaus Horn, Philipp Kaestli, Frederick Massin, Helle Pedersen, Javier Quinteros, Jonathan Schaeffer, Gilian Sharer, Reinoud Sleeman, Chad Trabant</p>
10:30	<p>600 Analyzing Source versus Path Effects in Ground Motions From the 2020 M6.6 Ierapetra, Crete Earthquake Valerie Sahakian, Avigyan Chatterjee, Diego Melgar, Athanassios Ganas, Tuncay Taymaz, Vasilis Kapetanidis, Daniel Trugman</p>	<p>419 From slow to fast earthquakes: laboratory insights on acoustic and mechanical fault slip behavior Federico Pignalberi, Carolina Giorgetti, Giacomo Mastella, Elisa Tinti, Chris Marone, Marco Maria Scuderi</p>	<p>319 Application of a Tendon System to Protect Classical Columns against Earthquakes Ioannis Psycharis, Evangelos Avgenakis, Maria-Eleni Dasiou</p>	<p>810 A theoretical comparison among macroseismic scales used in Italy Gianfranco Vannucci, Barbara Lolli, Paolo Gasperini</p>	<p>121 Digital twin for geophysical extremes: Rapid earthquake source and ground-motion characterization Maren Böse, Savas Ceylan, John Clinton, Frédéric Massin, Carlo Cauzzi, Licia Faenza, Alberto Michelin, Graeme Weatherill, Fabrice Cotton, Dino Bindi, Domenico Giardini</p>
10:45	<p>588 What to Expect from the Next Generation of European Ground Motion Models? Graeme Weatherill, Fabrice Cotton, Henning Lilienkamp, Ssu-Ting Lai, Laurentiu Danciu, Carlo Cauzzi</p>	<p>392 Similarities and differences between natural and simulated slow earthquakes Adriano Gualandi, Luca Dal Zilio, Davide Faranda, Gianmarco Mengaldo</p>	<p>129 Seismically triggered building collapse and deaths in Pompeii during the 79 CE eruption of Vesuvius: first evidence from a multidisciplinary study in the Insula dei Casti Amanti Domenico Sparice, Valeria Amoretti, Fabrizio Galadini, Mauro Antonio Di Vito, Antonella Terracciano, Giuseppe Di Giulio, Maurizio Vassallo, Emanuela Falucci, Stefano Gori, Luca Minarelli, Giuseppe Scarpati, Gabriel Zuchtriegel</p>	<p>177 MARCA-GEHN, the archive of macroseismic data for four Central America countries Laura Peruzza, Felix Enrique Rodríguez García, Eliana Esposito, Riesca Project SWG</p>	<p>416 A new service for the exchange of national and transboundary station information: STATION (Seismic sTATION and amplificatiON service) Gabriele Tarchini, Daniele Spallarossa, Davide Scafidi, Stefano Parolai, Matteo Picozzi, Dino Bindi</p>
11:00	<p>549 Integration of seismic network and smartphone crowdsourced data for high-resolution shaking maps through statistical modelling and data fusion Francesco Finazzi, Fabrice Cotton, Rémy Bossu, Robert Steed, Henning Lilienkamp, Matthieu Landes</p>	<p>443 Substantial Isotropic Component in Injection-Induced Earthquake Sources within the Raton Basin Mohammadreza Jamalrehyani, Ruijia Wang</p>			<p>580 Magnitude informed extension of the seismic network in the Netherlands Pauline Kruiver, Elmer Ruigrok, Denise de Vos</p>



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TIME	KERKYRA BALLROOM	KERKYRA CORRIDOR HALL	LEFKAS-ZANTE HALL	PAXI-ITHAKA HALL	KROKIDIS HALL
11:15	<p>868 <i>Modeling Long-Period ($T > 0.5$ s) Regional-Scale Site-Amplification Effects in the San Francisco Bay Region, California, USA</i> Morgan Moschetti, Robert Herrmann, Brad Aagaard, Oliver Boyd</p>	<p>735 <i>Fibrous Minerals Within Rock Structures: The Role on Crack propagation, Strength, and Mode of Failure</i> Tiziana Vanorio, Davide Geremia, Ethan Lopes</p>			
11:30-12:30	<p>Keynote Lecture 2 Chairperson: Valerio Poggi <i>Fibre Optic sensing in Geosciences</i> Philippe Jousset</p>				
12:30-14:00	Lunch Break				
14:00-15:30	<p>Session 27: Innovating and integrating: Bringing new science into Earthquake Hazard and Risk Assessment for Europe (Part 3) Conveners: Graeme Weatherill - Roberto Basili</p>	<p>Session 10/14: Control on fault slip nucleation and dynamics: role of fluids, physical mechanisms at play, and their interplay (Part 2) Conveners: Rebecca M. Harrington - Efthimios Sokos</p>	<p>Session 02: Sinergy in advancing the models, observations, and verification toward Operational Earthquake Forecasting (Part 1) Conveners: Dimitar Ouzounov - Vladimir Kossobokov</p>	<p>Session 49: General Seismology (Part 1) Conveners: Maria-Jose Jimenez - George Kaviris</p>	<p>Session 11: Seismological data workflows from seismic network management to novel data products (Part 3) Conveners: Lucia Luzi - Carlo Cauzzi</p>
14:00	<p>290 <i>High-frequency frontiers and the added-value of site-specific earthquake-based measurements of velocity and attenuation</i> Marco Pilz, Fabrice Cotton, Chuanbin Zhu</p>	<p>Invited 101 <i>Front and back-front of the seismic migration driven by fluid-induced aseismic slip in natural and anthropogenic earthquake sequences</i> Louis De Barros, Philippe Danré, Dmitry Garagash, Frédéric Cappa, Olivier Lengliné</p>	<p>812 <i>A decision tree strategy for the operational foreshocks recognition beforehand: the 27 September 2021 Arkalochori destructive earthquake (Mw6.0) in Crete Isl., Greece</i> Gerasimos Papadopoulos, Ioanna Triantafyllou</p>	<p>773 <i>ISC: Supplementary datasets and services for seismology</i> Dmitry Storchak, James Harris, Domenico Di Giacomo</p>	<p>627 <i>Performance of automatic detector & locator tested on synthetic seismograms Case study from Litoměřice in Czech Republic</i> Eva Kaldy, Tomas Fischer</p>
14:15	<p>289 <i>Spectral amplification factors in Greece and comparison with the corresponding of the 2024 draft, Eurocode 8</i> Eirini Chatzianagnostou, Nikolaos Theodoulidis, Ioannis Grendas, Panagiotis Hatzidimitriou, Petros Triantafyllidis</p>		<p>575 <i>Exploring new statistical metrics to evaluate the magnitude distribution of earthquake forecasting models</i> Francesco Serafini, Maximilian Werner, Mark Naylor, Jose Bayona, Kirsty Bayliss, Pablo Iturrieta, Leila Mizrahi, Marta Han</p>	<p>654 <i>Updates to the Criteria for Ground Truth (GT) Event Selection</i> Ryan Gallacher, Tom Garth, James Harris, Dmitry A. Storchak</p>	<p>692 <i>The Italian National Seismic Network (RSN): ongoing activities and future developments</i> Lauro Chiaraluce, Marco Massa, Davide Piccinini, Sandro Rao, Alfonso Mandiello, Irene Molinari, Claudia Piromallo, Massimo Orazi, Omella Cocina, Milena Moretti, Luisa Valeroso, Antonino D'Alessandro, Simone Marzorati, Antonio Costanzo, Gaetano De Luca, Paolo Casale, Leonardo Salvaterra, Adriano Cavaliere, Simone Salimbeni, Peter Danecek, Ciriaco D'Ambrosio, Rosario Peluso, Claudio Martino, Sergio Di Prima, Ezio D'Alema, Sara Lovati, Lucia Luzi, Francesca Pacor, Mauro Di Vito, Stefano Branca, Annamaria Vicari, Tomaso Esposti Ongaro, Micol Todesco, Giuseppe Di Stefano, Lucia Margheriti, Claudio Chiarabba</p>



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TIME	KERKYRA BALLROOM	KERKYRA CORRIDOR HALL	LEFKAS-ZANTE HALL	PAXI-ITHAKA HALL	KROKIDIS HALL
14:30	142 Possible measure of soil factors in the Italian Seismic Code Enrico Paolucci , Dario Albarello	251 A long-term sequence in Southern Carpathians (Romania). Investigation of possible fluid influence Mircea Radulian , Andreea Chircea, Bogdan Enescu, Mihaela Popa, Raluca Dinescu	672 Unraveling fractal characteristics of seismogenic nodes Anastasia Nekrasova , Vladimir Kossobokov, Alexandre Gorshkov, Karina Fadeeva	377 Relocated seismicity and inferred major faults in the Central Gulf of Corinth, Greece Vasilis Kapetanidis , Ioannis Spingos, Athanassios Ganas, Antonia Papageorgiou, George Kaviris	606 Comparing broadband and strong-motion data using collocated sensors in Greece Antonia Papageorgiou , Olga-Joan Ktenidou, Fevronia Gkika, Vasilis-Erion Pikoulis, Kalliopi Fragkouli, Fanis Halaris, Efthimios Sokos, Christos Evangelidis
14:45	072 Uncertainty projected mapping of site-response in Kanto basin of Japan Anirban Chakraborty, Sreeram Reddy Kotha	441 Temporal Evolution of the S-wave Attenuation During the 2009 L'Aquila Earthquake Sequence in Central Italy Raul Castro , Leonardo Colavitti, Francesca Pacor, Giovanni Lanzano, Sara Sgobba, Daniele Spallarossa	846 Ground motion forecasting for the 2023 Al Haouz Earthquake in Morocco: insights from maximum credible earthquake concept using Mdesign definition Hany M. Hassan, Antonella Peresan , Mohamed El Gabry, Mimoun Chourak, Giuliano Panza	753 Recent seismic activity in Corinth Gulf and Attica (Central Greece) Panayotis Papadimitriou , Andreas Karakonstantis, Vasileios Kapetanidis, George Kaviris, Nicholas Voulgaris	877 Seeking reference stations at the National Observatory of Athens Olga-Joan Ktenidou , Antonia Papageorgiou, Erion-Vasilis Pikoulis, Fevronia Gkika, Spyros Liakopoulos, Ziya Cekinmez, Panagiotis Savvaidis, Kalliopi Fragkouli, Christos Evangelidis
15:00	104 Comparing probabilistic seismic hazard maps with shakemap footprints and strong motion records in Greece Nikolaos Anterriotis-Kalpakidis , Anastasia Kiratzi	103 Role of fluids in the triggering of swarms and mainshock–aftershocks sequences: example from complex earthquake crisis in the Ubaye Region (Western Alps) Louis De Barros , Marion Baques, Maxime Godano, Clara Duverger, Hervé Jomard	481 An approach to rockfall hazard scenarios based on earthquake ground motion modeling Antonella Peresan , Massimiliano Alvioli, Elisa Zuccolo, Franco Vaccari, Hazem Badreldin	594 Analysis of central Appennine (Italy) seismicity in 2010 - 2016 Simona Miccolis , Deborah Di Naccio, Federica Magnoni, Michele M. C. Carafa	
15:15	557 Integrated Use of Remote Sensing and Seismological Data for Mapping Earthquake-Induced Landslides in Norway Nina Hečej , Mathilde Böttger Sørensen	453 Seismicity enhancement at Romania-Hungary border in 2023: an earthquake-prone alignment worthy of consideration? Mircea Radulian , István János Kovács, Mihaela Popa, Barbara Czece, Raluca Dinescu, Andreea Chircea	483 The recent deadly earthquakes Vladimir Kossobokov , Anastasia Nekrasova	433 Marsquake Service and Seismicity Catalogue of Mars Savas Ceylan , John F. Clinton, Simon Stähler, Nikolaj Dahmen, Géraldine Zenhäusern, Doyeon Kim, Cecilia Duran, Anna Horleston, Taichi Kawamura, Domenico Giardini	
15:30-17:00	Session 27: Innovating and integrating: Bringing new science into Earthquake Hazard and Risk Assessment for Europe (Part 4) Conveners: Radmila Salic Makreska – Olga-Joan Ktenidou	Session 10/14: Control on fault slip nucleation and dynamics: role of fluids, physical mechanisms at play, and their interplay (Part 3) Conveners: Gian Maria Bocchini - Mauro Palo	Session 02: Synergy in advancing the models, observations, and verification toward Operational Earthquake Forecasting (Part 2) Conveners: Gerasimos Papadopoulos - Antonella Peresan	Session 49: General Seismology (Part 2) Conveners: Adrien Oth - Maria-Jose Jimenez	Session 23: New swing for old waveforms (Part 1) Conveners: Raphael De Plaen - Barbara Orecchio
15:30	066 A new seismic hazard zonation map for Greece in the context of the ongoing revision of EC8 Kyriazis Pitolakis, Evlampia Eferpi Riga , Stefania Apostolaki, Laurentiu Danciu	Invited 120 The Large-Scale Influence on the Regional Deformation of an Intermediate-Depth Earthquake in the Hellenic subduction Virginie Durand , Michel Bouchon, Nikolaos Theodoulidis, Hayrullah Karabulut, Jean Schmittbuhl	259 Superposition of EEPAS time-varying information and a geodetic strain rate model for global medium-term forecasting Sepideh J Rastin , David Rhoades	176 Lowering the moment magnitude threshold for three intraplate regions of Canada Allison Bent , Kevin Mayeda, Jorge Roman-Nieves, Justin Barno	Invited 345 Characterization of Legacy Seismic Data and Environmental Seismology Use Cases Thomas Lee , Miaki Ishii, Hiromi Ishii, Frederik Simons
15:45	830 Evaluating the published seismicity models for the Aegean area and their implication for PSHA Costas Papazachos , Athanasia Kerkenou, Basil Margaris, Christos Papaioannou		226 Radon signal and seismic activity rate correlation. A case of study for Vrancea region (Romania) David Montiel-López , Sergio Molina, Juan José Galiana-Merino, Igor Gómez, Alireza Kharazian, Arianna Guardiola-Villora, Juan Luis Soler-Llorens, José Antonio Huesca-Tortosa, Gonzalo Ortuño-Saez	451 Probabilistic Seismic Hazard Models for the Oceans Kirsty Bayliss , Marco Pagani, Christopher Brooks, Richard Styron, Manuela Villani	



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TIME	KERKYRA BALLROOM	KERKYRA CORRIDOR HALL	LEFKAS-ZANTE HALL	PAXI-ITHAKA HALL	KROKIDIS HALL
16:00	<p>769 Probabilistic seismic hazard assessment in Magnesia (Central Greece) Alexandros Papadopoulos, Angelos Zymvragakis, George Kaviris, Nicholas Voulgaris</p>	<p>763 Aftershock sequences in Greece studied by non-linear high pressure fluid diffusion models Gaëlle Toussaint, Thanushika Gunatilake, Benoît Valley, Stephen Miller</p>	<p>458 Synergy in the re-occurrence of pre-earthquake signals. Case studies for the M6.4 earthquakes of October 12, 2013, and 2021 in Crete (Greece) Dimitar Ouzounov, Sergey Pulinetz, Menas Kafatos, Patrick Taylor</p>	<p>854 Contribution of GIT to seismic hazard assessment: From derivation of "hard-rock" Gmms to local amplification estimation and microzonation Margaux Buscetti, Hussein Shible, Fabrice Hollender, Paola Traversa, Vincent Perron, David Baumont, Gabriele Ameri, Ioannis Grendas, Nikolaos Theodoulidis</p>	<p>370 Sustainable preservation and digitization of analogue seismic data in Germany Galina Kulikova, Frank Krüger, Celine Hadziioannou</p>
16:15	<p>033 An evaluation of seismic hazard for the central Ionian islands of Cephalonia and Ithaca in western Greece using a probabilistic approach based on complex logic trees George Kaviris, Angelos Zymvragakis, Vasilis Kapetanidis, Vasiliki Kouskouna, Ioannis Spingos, Nikolaos Sakellariou, Nicholas Voulgaris</p>	<p>183 Fluid diffusion footprint in three sequences at the N-edge of the Adriatic microplate Giuliana Rossi, Andrea Magrin, Stefania Gentili</p>	<p>425 LAIC model verification by natural and anthropogenic phenomena Sergey Pulinetz, Dimitar Ouzounov</p>	<p>859 Perturbation of free-field seismic recordings caused by Soil-Structure Interaction at different scales and by topographic effects: Results of experiments carried out in Greece Pauline Rischette, Fabrice Hollender, Nikolaos Theodoulidis, Zafeiria Roumelioti, Vincent Perron, Paola Traversa, Emmanuel Chaljub, Emeline Maufray, Margaux Buscetti, Isabelle Douste-Bacqué, Agisilaos Konidakis</p>	<p>174 First steps toward scanning and digitization the Canadian legacy seismogram collection Allison Bent, Michael Hockey, Nicholas Ackerley, Mareike Adams</p>
16:30	<p>353 A 3D and 4D Seismic Hazard Disaggregation Analysis for Greece using a Monte Carlo approach Athanasia Kerkenou, Costas Papazachos, Basil Margaris, Christos Papaioannou</p>	<p>366 Making sense of tectonic tremor source depths in relation to subduction zone structure in northern Cascadia Madison Bombardier, John F. Cassidy, Stan E. Dosso</p>		<p>895 Advancements in Site-Specific Ground Motion Simulations: Case study of Büyükçekmece, Istanbul Hakan Süleyman, Eser Çaktı</p>	<p>073 A methodology to process analog strong motion accelerograms Dario Rinaldis</p>
16:45	<p>494 PySHA – a data processing Python tool for Probabilistic Seismic Hazard Assessment. Testing in Euboea (Central Greece) Angelos Zymvragakis, George Kaviris, Nicholas Voulgaris</p>	<p>429 Characteristics of the very-low-frequency interplate earthquakes in the Southern Ryukyu subduction zone Martin Vallée</p>		<p>902 Development of simulated ground motion dataset in the Azores region (Portugal) Shaghavogh Karimzadeh, S. M. Sajad Hussaini, Daniel Caicedo, Alexandra Carvalho, Paulo B. Lourenço</p>	<p>303 Analyzing historical seismograms for moment tensor inversion: The case study of 1947 Squillace Basin Earthquake, Southern Italy Silvia Scolaro, Josep Batlló, Barbara Orecchio, Debora Presti, Daniel Stich, Cristina Totaro</p>
17:00-18:00	Break & Poster Session II				
18:00-19:45	<p>Session 27: Innovating and integrating: Bringing new science into Earthquake Hazard and Risk Assessment for Europe (Part 5) Conveners: Graeme Weatherill - Fatemeh Jalayer</p>	<p>Session 10/14: Control on fault slip nucleation and dynamics: role of fluids, physical mechanisms at play, and their interplay (Part 4) Conveners: Ortensia Amoroso - Carolina Giorgetti</p>	<p>Session 44: Active deformation in Western Greece: Linking rifting, strike-slip and subduction Conveners: Simon Bufféral, Panagiotis Elias</p>	<p>Session 49: General Seismology (Part 3) Conveners: Nicholas Voulgaris - Adrien Oth</p>	<p>Session 23: New swing for old waveforms (Part 2) Conveners: Ryan Gallacher - Raphael De Plaen</p>
18:00	<p>306 A new national seismic hazard assessment for Norway Maren Kjos Karlsen, Mathilde Böttger Sørensen, Lars Ottemöller</p>	<p>279 The signature of fluid-induced fault slip at different scales Philippe Danré, Louis De Barros, Frédéric Cappa, Luigi Passarelli</p>	<p>861 GPS velocity field of Central Greece and the Peloponnese Pierre Briole, Simon Bufféral, Panagiotis Elias, Antonio Avallone, Konstantinos Kamberos, Dimitar Dimitrov, and the CRL-GNSS campaign teams</p>	<p>818 The seismic energy paradox: A transdimensional approach Luca D'Auria, Rubén García Hernández, Nemesio M. Pérez</p>	<p>362 Status of Seismic Patrimony Preservation Tutorial Maria Teresa Merino, Josep Batlló, Tana Andrades</p>



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TIME	KERKYRA BALLROOM	KERKYRA CORRIDOR HALL	LEFKAS-ZANTE HALL	PAXI-ITHAKA HALL	KROKIDIS HALL
18:15	313 <i>A new seismic hazard model for the UK offshore Exclusive Economic Zone</i> Iliaria Mosca , Brian Baptie	357 <i>Stick-slip vs. stable sliding fault behaviour: case-studies using a multidisciplinary approach in the volcanic region of Mt. Etna (Italy)</i> Raffaele Azzaro , Alessandro Bonforte, Francesco Guglielmino	860 <i>Kinematic characterization of the seismogenic and diffuse deformation transfer zones in Western Greece</i> Simon Bufféral , Pierre Briole, Nicolas Chamot-Rooke, Manuel Pubellier, Alexis Rigo	529 <i>Faulted terraces and earthquake behaviour of the Pisa Fault, Central Otago, New Zealand</i> Ashleigh Vause , Mark Stirling, Jack Williams, Klaus Wilcken, Jonathan Griffin	511 <i>Reassessment of the historical earthquake of 23 February 1887 in Liguria (north-western Mediterranean) on the basis of magnetogram recordings</i> Gabriele Tarchini , Daniele Spallarossa, Stefano Parolai, Denis Sandron, Angela Saraò
18:30	706 <i>A study of progressive spatio-temporal aftershock hazard in Reykjavik, Iceland</i> Atefe Darzi , Benedikt Halldorsson, Birgir Hrafnelsson, Kristín Vogfjörð	407 <i>Repeating Long-Period earthquakes at Shishaldin volcano (Alaska) before a minor eruption: insights into the medium properties and source mechanism</i> Mauro Palo , Valeria Cascone, Maha Adil, Aldo Zollo	622 <i>The aftermath of the 2020-2021 seismic crisis in the Western Gulf of Corinth (Central Greece)</i> Christoforos Kaltsas , George Kaviris, Haralambos Kranis, Vasiliki Kapetanidis	581 <i>Lowermost Mantle Structure from PdP and SdS Reflections Recorded at two German Arrays</i> Joachim Ritter , Rune Helk, Sarah Mader	551 <i>The Destructive 1950 Cusco Earthquake: Epicenter Relocation and Analysis of Analog Records</i> Marcelo Assumpcao , Josep Batllo, José Alexandre Nogueira, Gonzalo Fernandez, Teddy Griffiths
18:45	881 <i>Revisiting the rapid ground shaking and building damage estimations for the 6 Feb 2023 Kahramanmaraş earthquakes</i> Ufuk Hancılar, Nurullah Açıkgöz	698 <i>Unveiling the Campi Flegrei inner caldera structure from 3D High-Resolution Local Earthquake Tomography Imaging</i> Grazia De Landro , Tiziana Vanorio, Titouan Muzellec, Guido Russo, Jean Virieux, Anthony Lomax, Francesco Scotto di Uccio, Gaetano Festa, Aldo Zollo	463 <i>Studying the Gulf of Patras tectonic regime through seismicity relocation and stress inversion</i> Ioanna Nikolopoulou , Efthimios Sokos, Zafeiria Roumelioti, Vasiliki Mouslopoulou	651 <i>Numerical modeling predicts seismic resonances in the magma chamber-conduit system due to wavefield capturing</i> Fabian Limberger , Georg Rumpker	612 <i>Recovering the history and patrimony of an almost forgotten seismic station at Girona (Catalonia, NE Spain)</i> Maria Teresa Merino , Josep Batlló
19:00		578 <i>Magmatic Fluid Rise Beneath the East Eifel Volcanic Field, Germany</i> Joachim Ritter , Konun Koushesh, Andreas Rietbrock	046 <i>Sedimentary basins and crustal structure of the continental backstop offshore western Greece derived from active seismic observations</i> Joanna Papoulia , Jannis Makris	586 <i>Finite difference modelling of meteor-induced acoustic and seismic signals</i> Jan-Phillip Föst , Dario Eickhoff, Runa Ostermeier, Konun Koushesh, Joachim Ritter	690 <i>Bringing new value to legacy seismic data and spreading the word</i> Raphael De Plaen , Josep Batllo, Thomas Lecocq
19:15			359 <i>High-resolution seismological analysis of the 29 March 2024, M 5.8 earthquake and its seismic sequence in the Gulf of Kyparissia (offshore western Peloponnese, Greece)</i> Gian-Maria Bocchini , Marco P. Roth, David Essing, Ioannis Fountoulakis, Ioanna Nikolopoulou, Rebecca M. Harrington, Carlos Peña, Anna Serpetsidaki, Efthimios Sokos, Jonathan Bedford, Christos Evangelidis		
19:30			491 <i>Revealing the environmental effects of the August 1953 Cephalonia earthquakes on Western Greece based on evaluation of contemporary and modern sources</i> Spyridon Mavroulis , Efthimios Lekkas		



Poster Session II

Tuesday, September 24, 2024 | 09:30-10:00 & 17:00-18:00

Session 02: Sinergy in advancing the models, observations, and verification toward Operational Earthquake Forecasting

PP01	482 <i>MUDA: geophysical and geochemical multiparametric database</i> Marco Massa, Andrea Luca Rizzo, Davide Scafidi, Elisa Ferrari, Sara Lovati, Fabio Varchetta , Rodolfo Puglia, Lucia Luzi
PP02	311 <i>Detection and monitoring of earthquake-related crustal fluids alterations by means of multiparametric stations: new case studies from Italy</i> Elisa Ferrari, Marco Massa, Andrea Rizzo, Sara Lovati , Federica Di Michele
PP03	107 <i>The spatial and temporal variation of seismic b value of the crustal seismic sequence from February 13th, 2023 in Targu Jiu area (Romania)</i> Cristian Ghita , Bogdan Enescu, Alexandru Marinus, Iren Adelina Moldovan, Constantin Ionescu, Eduard Gabriel Constantinescu
PP04	292 <i>The evolution of the source current of the geomagnetic solar quiet daily field before strong earthquakes</i> Yingyan Wu , Guiping Yuan, Xudong Zhao, Xuemin Zhang, Junsong Sun
PP05	573 <i>The engineering tunable seismic hazard assessment based on the reliable estimation of the maximum credible earthquake</i> Yan Zhang, Zhongliang Wu, Paolo Rugarli, Kun Chen , Fabio Romanelli, Antonella Peresan, Zhiwei Ji, James Bela, Vladimir Kossobokov, Giuliano Panza

Session 07/15: Methodological advancements and their multidisciplinary applications in solid Earth science in general and single-station seismometry in particular

PP06	036 <i>Integration of single-station ambient seismic noise techniques in multi-hazard assessment framework: case study of the historical landslide of San Vito Romano (Italy)</i> Simona Marano , Yawar Hussain, Guglielmo Grechi, Stefano Rivellino, Salvatore Martino
PP07	050 <i>Site effects assessment from HVNSR method in two seismically active areas of Haiti</i> Valmy Dorival , Hans-Balder Havenith, Kelly Guerrier, Sophia Ulysse
PP08	383 <i>Variability of HV on noise and earthquake during the seismic sequence of Mw 7.2 Nippes, Haiti, earthquake (August 14th, 2021)</i> Giovanna Cultrera, Francoise Courboux , Sylvert Paul, Bernard Mercier de Lepinay, Steeve Symithe, Roby Douilly, Tony Monfret
PP09	730 <i>Application of the HVSr method to OBS Data from the PROTEUS experiment to constrain the shallow Vs structure in the broader Santorini submarine area</i> Nikolaos Chatzis , Costas Papazachos, Rebeckah Hufstetler, Emilie Hooft, Douglas Toomey, Benjamin Heath, Panagiotis Hatzidimitriou, Nikolaos Theodoulidis

Session 10/14: Control on fault slip nucleation and dynamics: role of fluids, physical mechanisms at play, and their interplay

PP10	089 <i>Coseismic hydrological effects associated with historical earthquakes in Southern Italy: data retrieval, classification, and seismotectonic clues</i> Luigi Cucci , Corrado Castellano, Andrea Tertulliani
PP11	683 <i>Active seismicity around a Cretaceous magmatic intrusion in Monchique, SW Iberia</i> Gonçalo Emidio, Susana Custodio , Simone Cesca, Analdyne Soares, Marta Neres, Gabriela Camargo
PP12	739 <i>Quantifying modes of failure for varying microstructure assemblages</i> Ethan Lopes , Tiziana Vanorio, Sonia Tikoo
PP13	765 <i>Preliminary 3-D Attenuation Images in a Complex Transition Area: Insights from the 2023 Southern Carpathians Earthquake Sequence</i> Felix Borleanu , Laura Petrescu, Christian Schiffer, Marius Mihai, Renata Lukešová, Cristian Neagoe, Luca De Siena
PP14	828 <i>Passive seismic and infrasonic monitoring at the Mefite d'Ansanto deep-CO2 degassing site (Southern Apennines, Italy)</i> Luisa Valoroso , Spina Cianetti, Pasquale De Gori, Carlo Giunchi, Luigi Improta, Samer Bagh, Alessandro Marchetti, Rocco Cogliano, Antonio Fodarella, Felice Minichiello, Stefania Pucillo, Gaetano Riccio, Francesca Di Luccio
PP15	837 <i>Using small-magnitude seismicity to investigate the interplay between seismic and aseismic deformation along the Hellenic Subduction System</i> David Essing , Gian Maria Bocchini, Rebecca M. Harrington
PP16	901 <i>A new insight to explain the time delay of injection-induced earthquake: The impact of fluid diffusion and stress disturbance</i> Aiyu Zhu , Jiahao Li, Guanlei Cui, Changhua Fu



Session 11: Seismological data workflows from seismic network management to novel data products

PP17	165 <i>Updating historical seismic event catalogue of Latvia using machine-learning</i> Viesturs Zandersons
PP18	258 <i>Seismic Observation and Analysis of a High-Sensitivity Fiber-Optic Gyroscope in Tangshan, China</i> Weiwei Xu , Yuanhong Yang, Shanhui Xu
PP19	354 <i>Updates on ShakeMap-EU: A European seismological service and a laboratory for collaborative research and capacity building</i> Licia Faenza , Carlo Cauzzi, Alberto Michelini, Ilaria Oliveti, Valentino Lauciani, Nikolaos Melis, Nikolaos Theodoulidis, Kiriaki Konstantinidou, Edmond Dushi, Besian Rama, Krešimir Kuk, Polona Zupančič, Martina Carman, Bogdan Grecu, Constantin Ionescu, Alexandru Marmureanu, Kris Vanneste, Thomas Lecocq, Koen Van Noten, Antoine Schlupp, Véronique Mendel, Marc Grunberg, Fernando Carrilho, Celia Marreiros, John Clinton, Lucia Luzi, Philipp Kästli, Florian Haslinger, Stefan Wiemer, Maren Böse, Graeme Weatherill, Fabrice Cotton, Domenico Giardini
PP20	372 <i>SDQ (Seismic Data Quality): a Python Toolkit for the evaluation of seismic-accelerometric data quality</i> Fabio Varchetta , Marco Massa, Rodolfo Puglia, Peter Danecek, Sandro Rao, Alfonso Mandiello, Davide Piccinini
PP21	385 <i>The new probabilistic earthquake location catalog of the Italian Seismic Bulletin</i> Diana Latorre , Raffaele Di Stefano, Barbara Castello, Alessandro Marchetti, Michele Maniscalco, Valentino Lauciani
PP22	432 <i>GEOSCOPE: 40+ years of global broadband seismic data</i> Martin Vallée , Dimitri Zigone, Nicolas Leroy, Jean-Yves Thoré, Céleste Broucke, Armelle Bernard, Constanza Pardo, Maxime Bès de Berc, Olivier Sirol, Alessia Maggi, Eléonore Stutzmann, Michel Le Cocq
PP23	497 <i>eGSIM Ground Shaking Intensity Model Webservice: Features for Advanced Model to Data Comparisons and Automatic Post-Event Application</i> Graeme Weatherill , Riccardo Zaccarelli, Dino Bindi, Fabrice Cotton
PP24	547 <i>De-noising DAS Data Using an Adaptive Frequency-wavenumber Filter</i> Marius Isken , Sebastian Heimann, Hannes Vasyura-Bathke, Torsten Dahm
PP25	564 <i>The microearthquake detection after 10 years of operation of the OTRIONS seismic network in the Gargano area (Southern Italy)</i> Andrea Pio Ferreri, Annalisa Romeo, Rossella Giannuzzi, Gianpaolo Cecere, Luigi Falco, Marilena Filippucci , Maddalena Michele, Serena Panebianco, Giulio Selvaggi, Vincenzo Serlenga, Tony Alfredo Stabile, Andrea Tallarico
PP26	596 <i>Automatic earthquake detection and location procedures: is all that glitters gold? Two case studies in Southern Italy</i> Vincenzo Serlenga , Ortensia Amoroso, Paolo Capuano, Andrea Pio Ferreri, Marilena Filippucci, Giovannina Mungliello, Ferdinando Napolitano, Serena Panebianco, Tony Alfredo Stabile, Andrea Tallarico
PP27	653 <i>Station Statistics Obtained from Parametric Data Reported to the ISC</i> Ryan Gallacher , James Harris, Natalia Poiata, Tom Garth, Dmitry A. Storchak
PP28	662 <i>Developing an automated procedure for the uniformization of the Romanian earthquake catalogue</i> Iulia Stefania Armeanu , Natalia Poiata
PP29	688 <i>The ISC Toolbox for MATLAB: A Gateway to Earthquake Parameter Data at the International Seismological Centre</i> Thomas Garth , Ryan Gallacher, Natalia Poiata, Kostas Leptokaropoulos
PP30	734 <i>Using a deep learning denoiser to improve earthquake detection in a low-cost citizen operated seismic network in Haiti</i> Miguel Neves , Quentin Bletery, Françoise Courboux, Jérôme Chèze, David Ambrois, Tony Monfret, Sylvert Paul, Jean-Paul Ampuero, Eric Calais
PP31	737 <i>Rapid generation of reports on post-seismic events with gmProcess: A case study for a dense accelerometric network in Veneto (NE Italy)</i> Giorgio Capotosti , Pier Luigi Bragato, Laura Cataldi, Paolo Comelli, Chiara Scaini, Helga Siracusa, Piero Ziani
PP32	742 <i>Seismic networks in urban environments</i> Salvatore Scudero , Antonio Costanzo, Antonino D'Alessandro
PP33	771 <i>New developments in browser-based seismic waveform discovery and inspection for EIDA</i> Heesun Joo , Christos P. Evangelidis, Peter L. Evans, Andres Heinloo, Javier Quinteros, Jonathan Schaeffer, Angelo Strollo
PP34	805 <i>Seismological data workflow for dissemination and recovery of emergency seismic data in Italy</i> Ezio D'Alena, Simone Marzorati, Milena Moretti, Alfonso Giovanni Mandiello, Ivano Carluccio, Mario Locati , SISMICO Working Group
PP35	815 <i>A scalable platform for real time multiparametric volcanoes monitoring</i> Pasquale Cantiello , Rosario Peluso, Alessandro Di Filippo, Walter De Cesare
PP36	893 <i>Webservices and products of the Italian ACcelerometric Archive</i> Lucia Luzi , Chiara Felicetta, Emiliano Russo, Maria D'Amico, Claudia Mascandola, Lorenzo Vitrano, Sara Sgobba, Giulio Brunelli, Francesca Pacor



Session 22: The International Macroseismic Scale of 2024 (IMS-2024) and related research and development

PP37	187 <i>Lessons learned from two decades of applying the 1998 European Macroseismic Scale (EMS-98) at IPMA</i> Paulo Alves , Célia Marreiros, Carlo S. Oliveira, Fernando Carrilho
PP38	668 <i>Considerations for using online macroseismic data in ShakeMap and the International Macroseismic Scale (IMS)</i> Vincent Quitoriano , David Wald, C. Bruce Worden, Eric Thompson

Session 23: New swing for old waveforms

PP39	065 <i>Processing of Italian analog accelerograms</i> Dario Rinaldis
PP40	069 <i>Revisiting an enigma in the Mendocino Triple Junction: The M6.5 Korbek earthquake of December 1954</i> Peggy Hellweg , Thomas A. Lee, Douglas S. Dreger, Anthony Lomax, Robert McPherson, Lori Dengler
PP41	722 <i>Relocation of the event on March 5th 1930, M=5, Western Slovakia, using available seismometric data together with newly acquired knowledge</i> Lucia Fojtikova , Andrej Cipciar, Robert Kysel

Session 26/43: Advances in Archaeoseismology, Techniques and Field Cases

PP42	010 <i>Glimpse on Archaeoseismology from archaeological remains on Roman sites in the Eastern part of the Tel Atlas of Algeria</i> Kahina Roumane , Abdelhakim Ayadi
PP43	056 <i>The 1887 northeastern Sonora, Mexico Earthquake</i> Hector Hinojosa
PP44	905 <i>Observations during the archaeological excavations in the surroundings of a late Roman Imperial Palace in Eastern Serbia</i> Gerda Sommer Von Bülow
PP45	725 <i>Earthquake damage at archaeological and historical sites in Tunisia</i> Nejib Bahrouni , Klaus Hinzen, Mustapha Meghraoui
PP46	545 <i>Exploring the distinctive collapse pattern of a Rural Roman House in Germania Superior by studying the dynamic behaviour of a replica building in Bliesbruck-Reinheim</i> Arnaud Montabert , Sarah Roth, Peter Mora, Klaus-Günter Hinzen
PP47	876 <i>Study of site conditions at the location of two rural Roman buildings with distinctive collapse patterns in Germania superior</i> Sarah Roth, Klaus Hinzen, Thomas Lecocq , Koen Van Noten
PP48	712 <i>Comparison of simulated and inferred structural damage caused by historical earthquakes: The case of the Mugello bell towers, Italy</i> Rodrigo Yanez Chura , Arnaud Montabert, Cédric Giry, Hélène Lyon-Caen, Gianmarco De Felice, Enrique Diego Mercerat, Yann Richet, Christine El Khoury, Sébastien Hok, Celine Gélis, Hervé Jomard, Cecilia Ciuccarelli, Andrea Arrighetti, Georgia Poursoulis, Maria Lancieri
PP49	271 <i>Starting Archaeoseismology from scratch: how ethnohistorical data can help. The emblematic case of the Incas in Cusco, Peru</i> Andy Combey , Diego E Mercerat, Carlos Benavente, Laurence Audin
PP50	459 <i>Destruction in Crusader fortifications in coastal Syria in the far-field of the 6 February 2023 Turkey earthquakes</i> Miklos Kazmer , Hazem Hannah, Mór Bendegúz Takáts, Balázs Major, Krzysztof Gaidzik
PP51	460 <i>Cathedral stratigraphy – surfaces of damage, their interpretation and dating</i> Miklos Kazmer , Klaus Reicherter, Krzysztof Gaidzik

Session 27: Innovating and integrating: Bringing new science into Earthquake Hazard and Risk Assessment for Europe

PP52	092 <i>Preliminary estimation of high-frequency decay parameter kappa for Ohrid (North Macedonia) region</i> Marina Poposka , Davor Stanko, Radmila Salic Makreska, Dragi Dojcinovski, Marta Stojmanovska
PP53	152 <i>Probabilistic seismic hazard analysis algorithm integrating fault sources and potential seismic source zone using random sampling</i> Kun Chen , Yongzhe Wang
PP54	230 <i>GIS tools for earthquake preparedness in Israel</i> Veronic Avirav , Tsafir Levi, Ran Calvo, Eran Frucht, Hila Navon, Andrey Polozov, Ittai Kurzon



PP55	663 <i>Spatio-temporal variability of random terms of a non-ergodic ground motion model for the area of the 2016-2017 seismic sequence in Central Italy</i> Giovanni Lanzano , Sara Sgobba, Dino Bindi, Matteo Picozzi, Daniele Spallarossa, Francesca Pacor
PP56	707 <i>Bayesian spatial modeling of earthquake magnitudes using the generalized Pareto distribution</i> Atefe Darzi , Birgir Hrafnkelsson, Benedikt Halldorsson
PP57	790 <i>Relation between macrosismic intensity and peak ground acceleration (GMICE) for the volcanic region of Mt. Etna. (Italy)</i> Giuseppina Tusa , Salvatore D'Amico, Tiziana Tuvè, Raffaele Azzaro
PP58	891 <i>Using inferred site proxies to predict ground-motion site amplification at regional and large scale</i> Karina Loviknes , Fabrice Cotton, Graeme Weatherill

Session 44: Active deformation in Western Greece: Linking rifting, strike-slip and subduction

PP59	254 <i>Investigating the spatio-temporal distribution of slow and fast deformation in the western Hellenic Subduction System using dense seismic and geodetic observations</i> Rebecca Harrington , Gian Maria Bocchini, Marco Roth, Efthimios Sokos, Christos Evangelidis, Jonathan Bedford, Kasper Fischer
PP60	378 <i>Imaging the crustal structure of the Western Peloponnese region from body wave travel-time tomography</i> Paola Baccheschi, Vasilis Kapetanidis , Pasquale De Gori, Athanassios Ganas, Matteo Lupi
PP61	585 <i>Seismic Monitoring of Magmatic and Tectonic Processes in the Western Saronic Gulf (Greece) - Assessing Magmatic and Tsunami Hazards</i> Jan-Phillip Föst , Christos Evangelidis, Nicole Richter, Joachim Ritter, Efthimios Sokos
PP62	772 <i>Investigating Tectonic and Geodynamic activity in Aetolia-Akamanian Region using seismicity</i> Stamatina Kanakaki , Efthimios Sokos, Alexis Rigo, Marco Roth, Jonathan Bedford

Session 49: General Seismology

PP63	042 <i>Passive Seismic Experiment in Western Carpathian to study crustal structure beneath the Pieniny Klippen Belt</i> Tanishka Soni , Christian Schiffer, Mateusz Mikołajczak, Stanisław Mazur
PP64	102 <i>Crustal models acquired in intracarpathian area, during the last 25 years employing active seismic and seismologic methods</i> Andrei Bala , Tomasz Janik, Dragoș Toma-Dănilă, Dragoș Tătaru, Cătălin Gheablaeu
PP65	197 <i>Investigation of the upper crustal structure in the NW Dinarides using local earthquake tomography</i> Gregor Rajh , Josip Stipčević, Mladen Živčić, Marijan Herak, Andrej Gosar
PP66	232 <i>High-resolution S-wave velocity model of the crust and upper mantle in North China from joint inversion of surface wave dispersion, ellipticity, and teleseismic P-waveforms</i> Xiang Huang , Weitao Wang
PP67	327 <i>3D attenuation tomography of Northern Chilean subduction zone</i> Ignacio Castro Melgar , Christian Sippl
PP68	786 <i>PgQ tomography model: Unravelling crustal heterogeneity over southeastern Tibet</i> Shirish Bose , Chandrani Singh, Parth Jaiswal
PP69	151 <i>Seismic activity of the Zabargad fracture zone (Red Sea) from an amphibious seismic network</i> Hasbi Shiddiqi , Laura Parisi, Eduardo Cano, P. Martin Mai, Nico Augustin, Sigurjón Jónsson
PP70	305 <i>Building a new teleseismic catalogue for national observatory of Athens – preliminary results</i> Fevronia Gkika , Jens Havskov
PP71	472 <i>Real time performance of the Mw estimation for the intense seismic sequence recorded in 2023 –Tg. Jiu, area, Romania by the National Seismic Network</i> Marius Craiu, Andreea Craiu, Alexandru Marmureanu, Marius Mihai
PP72	475 <i>Characterization of the main active faults within the Dobrogea seismic zone</i> Diana Banu, Mihail Diaconescu, Andreea Craiu
PP73	655 <i>Insights in the seismotectonics of Central Ionian Islands by the analysis of recent seismic crises</i> Andreas Karakonstantis , Panayotis Papadimitriou, Vasilis Kapetanidis, George Kaviris, Nicholas Voulgaris
PP74	516 <i>The manual analysis of teleseismic events at the Federal Seismological Survey of BGR - including depth, secondary and core phases</i> Thomas Plenefisch , Monika Bischoff, Lars Ceranna, Stefanie Donner, Peter Gaebler, Nicolai Gestermann, Gernot Hartmann, Patrick Hupe, Manuel Hobiger, Christoph Pilger, Ole Roß, Klaus Stammler, Andreas Steinberg



PP75	<p>785 <i>What is in the INGV ISIDe online database before 16 April 2005?</i> Barbara Lolli, Gianfranco Vannucci, Paolo Gasperini</p>
PP76	<p>679 <i>Seismicity of the Comoros archipelago revealing the link between the East African Rift System and Madagascar</i> Didier Bertil, Anne Lemoine, Roser Hoste-Colomer, Sophie Peyrat, Nicolas Mercury, Pierre Boymond, Charles Masquelet, Anaïs Rusquet, Isabelle Thinon, Fabien Paquet, Sébastien Zaragosi, Cécile Doubre, Jérôme van der Woerd, Eric Jacques, Nathalie Feuillet, Sylvie Leroy, Laurent Michon</p>
PP77	<p>770 <i>Seismic monitoring in Türkiye 1900-2023: Catalogue of Regional Earthquake-Tsunami Monitoring Center (RETMK-KOERI)</i> Selda Altuncu Poyraz, Doğan Kalafat, Kivanç Kekovalı, Yavuz Güneş, Mehmet Kara, Tuğçe Ergün, M. Uğur Teoman, Haluk Özener</p>
PP78	<p>869 <i>The Berkovići (BIH) $M_L = 6.0$ earthquake sequence of 22 April 2022 – seismological and seismotectonic analyses</i> Iva Dasović, Marijan Herak, Davorka Herak, Helena Latečki, Marin Sečan, Bruno Tomljenović, Snježana Cvijić-Amulić</p>
PP79	<p>202 <i>Empirical predictive relationships for frequency content parameters of ground motions from Vrancea (Romania) intermediate-depth earthquakes</i> Luminita Angela Ardeleanu, Cristian Neagoie, Bogdan Grecu</p>
PP80	<p>782 <i>Spatial variation of ambient noise in north Chhattisgarh</i> Maitreyi Maitreyi, Chandrani Singh, Arun Singh, Mita Uthaman, Sukanta Sarkar, Gaurav Kumar, Abhisek Dutta, Aamir Salam Siddiqui, Shirish Bose</p>
PP81	<p>783 <i>Deterministic simulation of broadband ground motions using a multiscale source model</i> Gudemella Raghu Kanth Srimath Tirumala, Jahnabi Basu</p>
PP82	<p>855 <i>Prediction of response spectra using neural network approach</i> Manubolu Nagatejasri, Kushwaha Srishti, Jaleen Jenna Maria, Podili Bhargavi, STG Raghukanth</p>
PP83	<p>894 <i>A comprehensive strong ground motion dataset enriched by ground motion simulations for the broader region of Istanbul</i> Hakan Süleyman, Nilgün Merve Çağlar, Eser Çaktı</p>
PP84	<p>209 <i>A model for the shallow source of the hydrothermal tremor at Mefite d'Ansanto CO2 emission field</i> Paola Cusano, Simona Morabito, Lucia Nardone, Simona Petrosino</p>
PP85	<p>211 <i>Space distribution of the seismic source energy at Mt.Etna volcano (Italy)</i> Elisabetta Giampiccolo, Edoardo Del Pezzo, Tiziana Tuve', Francesca Bianco</p>
PP86	<p>263 <i>Investigation of crustal transients with seismological, tiltmetric and geo-environmental monitoring of Mud Volcanoes in the frame of PROMUD Project</i> Simona Morabito, Ida Aquino, Vincenzo Augusti, Eliana Bellucci Sessa, Teresa Caputo, Antonio Costanza, Paola Cusano, Gioacchino Fertitta, Paolo Madonia, Simona Petrosino, Ciro Ricco, Dario Albarello, Alfredo Ambrosone, Nunziatina De Tommasi, Cipriano Di Maggio, Mariarosaria Falanga, Simona Mancini</p>
PP87	<p>375 <i>Frostquake: Seismic Investigation of Ojos del Salado, the Highest Active Volcano in the World</i> Louisa Murray-Berquist, Martin Thorwart, Ayon Garcia Pina, Christopher Ulloa, Janneke van Ginkel, Richard Wessels, Lisanne van Huisstede, Santiago Rebolé Canals, Anouk Beniest</p>
PP88	<p>448 <i>Constraints on the source properties of offshore seismicity following the 2018 Kīlauea eruption and implications for flank dynamics</i> Shanna Chu, Julia Morgan, Adam Leff</p>
PP89	<p>579 <i>Imagine the internal structure of Campi Flegrei volcano system by receiver function analysis</i> Victor Ortega-Ramos, Luca D'Auria, Jose Luis Granja-Bruña, Iván Cabrera-Pérez, Jose Barrancos, Germán D. Padilla, Pedro Hernández, Nemesio Pérez</p>
PP90	<p>591 <i>Deciphering Seismic Signals: Unraveling Landslide-Induced Tsunamis at Stromboli Volcano Island, Italy using Seismic Observation</i> Adel Sami Hassan Othman, Alberto Armigliato, Stefano Lorito, Gaetano Festa</p>
PP91	<p>637 <i>Spatial and temporal variations of b-value at Mount Etna retrieved by the application of b-positive</i> Caterina Montuori, Elisabetta Giampiccolo, Tiziana Tuvè, Pasquale De Gori, Francesco Pio Lucente, Claudio Chiarabba</p>
PP92	<p>332 <i>Successful Deployment of an 21km SMART Cable with Force-Feedback Seismometer and Accelerometers in the Mediterranean Sea</i> Aaron Clark, John O'Neil, Bruce Nicholson, Neil Watkiss, Federica Restelli, Ella Price, Connor Foster, Jessica Bird, Giuditta Marinaro, Davide Embriaco, Francesco Simeone</p>
PP93	<p>685 <i>Near-Source T-Wave Observations in the North Atlantic Using Distributed Acoustic Sensing</i> David Schlaphorst, Afonso Loureiro, Matias Luis, Susana Custodio, Corela Carlos, Rui Caldeira</p>
PP94	<p>386 <i>The Vital Role of Voluntary Organizations in Earthquake Response and Recovery: Lessons Learned from Arkalochori, Crete</i> Eleftheria Stamati, Efthymios Lekkas</p>
PP95	<p>412 <i>GITpy: a Python implementation of the Generalized Inversion Technique</i> Paola Morasca, Maria D'Amico, Daniele Spallarossa, Dino Bindi, Matteo Picozzi, Adrien Oth, Francesca Pacor, Lorenzo Vitranò</p>



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TIME	KERKYRA BALLROOM	KERKYRA CORRIDOR HALL	LEFKAS-ZANTE HALL	PAXI-ITHAKA HALL	KROKIDIS HALL
08:30-09:30	<p>Session 27: Innovating and integrating: Bringing new science into Earthquake Hazard and Risk Assessment for Europe (Part 6)</p> <p><u>Conveners: Olga-Joan Ktenidou - Fatemeh Jalayer</u></p>	<p>Session 30: Large-scale seismological experiments: Plans, results, and challenges (Part 1)</p> <p><u>Conveners: George Kaviris - Thomas Meier</u></p>	<p>Session 47: The 50th anniversary of the European-Mediterranean Seismological Center (EMSC) (Part 1)</p> <p><u>Convener: Päivi Mäntyniemi</u></p>	<p>Session 41: New approaches in seismic event detection, phase identification and characterization (Part 1)</p> <p><u>Conveners: Natalia Poiata - Sonja Gaviano</u></p>	<p>Session 05: Empowering communities: Engaging citizens in seismic risk reduction (Part 1)</p> <p><u>Conveners: Lorena Daphna Kuratle - Chiara Scaini</u></p>
8:30	<p>394 Advancing Seismic Risk Analysis through an Integrated Web Service for Ground Motion Record Selection and Scaling</p> <p><u>Gerard O'Reilly</u>, Davit Shahnazaryan</p>	<p>189 Re-activating a natural Alpine fault zone</p> <p><u>Men-Andrin Meier</u>, Domenico Giardini, Stefan Wiemer, Florian Amann, Massimo Cocco, Paul Selvadurai, Mohammad Reza, Valentin Gischig, Antonio Rinaldi, Elisa Tinti, Elena Spagnuolo, Alba Zappone, Giacomo Pozzi, Luca Dal Zilio</p>	<p>Invited</p> <p>097 The role, history and achievements of the EMSC over the last 50 years</p> <p><u>Remy Bossu</u></p>	<p>040 Refining the marsquake catalogue with deep learning-based denoising</p> <p><u>Nikolai Dahmen</u>, John Clinton, Simon Stähler, Men-Andrin Meier, Savas Ceylan, Doyeon Kim, Anna Horleston, Cecilia Durán, Géraldine Zenhäusern, Domenico Giardini</p>	<p>058 Q-Guard: An advanced SEISMic alert system in Romania through integration of crowdsourced and geophysical information</p> <p><u>Iren-Adelina Moldovan</u>, Victorin Toader, Liviu Marius Manea, Carmen Cloflan, Lucian Palangeanu, Cristian Ghita, Stefan Florin Balan</p>
8:45	<p>504 Analytical fragility curves for mid-rise RC Buildings in the Marmara Region: Leveraging machine learning techniques</p> <p><u>Onur Ulku</u>, Ali Talha Atici, Ufuk Hancilar</p>	<p>431 The Utah Frontier Observatory for Research in Geothermal Energy (FORGE)</p> <p><u>Kristine Pankow</u>, James Rutledge, Peter Niemz, Katherine Whidden, Joe Moore</p>		<p>848 Distributed acoustic sensing for studying seismo-volcanic sources: the 2021 Tajogaite eruption (La Palma, Canary Islands)</p> <p><u>Luca D'Auria</u>, José Barrancos, Alberto Falcón García, Javier Preciado-Garbayo, Aarón Álvarez Hernández, Rubén García-Hernández, David Martínez van Dorth, Víctor Ortega Ramos, Germán D. Padilla, Nemesio M. Pérez</p>	<p>061 Propelling seismology into the future w/ Raspberry Shake</p> <p><u>Branden Christensen</u></p>
9:00	<p>506 Time-Dependent Seismic Fragility Assessment of an RC Frame Building using Incremental Dynamic Analysis</p> <p><u>Onur Çevik</u>, Ufuk Hancilar</p>	<p>603 The Cascadia Region Earthquake Science Center (CRESCENT): Innovative Science for a Resilient Society in the United States Pacific Northwest</p> <p><u>Valerie Sahakian</u>, Diego Melgar, Amanda Thomas, Jill Elizabeth, Pieter-Ewald Share, Andrew Meigs, Lydia Staisch, Harold Tobin, Timothy Melbourne</p>	<p>684 AHEAD, the contribution to EMSC for providing access to seismological data on pre-instrumental earthquakes</p> <p><u>Mario Locati</u>, Andrea Rovida, Andrea Antonucci, AHEAD Members</p>	<p>051 Modern approaches in local seismic event detection at Enguri Dam, Georgia</p> <p><u>Nazi Tugushi</u>, Nino Tsereteli, Nasim Karamzadeh, Andreas Rietbrock</p>	<p>265 On the crowdsourcing of macroseismic data to characterize geological settings</p> <p><u>Denis Sandron</u>, Angela Sarao, Alberto Tamaro, Bojana Petrovic, Chiara Scaini, Marco Santulin, Dario Slejko, Alessandro Rebez</p>
9:15	<p>417 Development of Region-Specific Empirical Fragility Functions after the 6 February 2023 Kahramanmaraş-Türkiye Earthquake</p> <p>Orhun Kalyoncu, <u>Ufuk Hancilar</u></p>	<p>689 The Rock Valley Direct Comparison Project</p> <p><u>Arben Pitarka</u>, William R. Walter, Catherine M Snelson, Robert E. Abbott, Ian C. Whittaker</p>	<p>674 30 years of collaboration between the EMSC and the LDG</p> <p><u>Gilles Mazet-Roux</u>, Hélène Hébert, Pascal Roudil, Yoann Cano</p>	<p>851 Detection of seismic phases on distributed acoustic sensing (DAS) using the Discrete Cosine Transform (DCT)</p> <p><u>Rubén García-Hernández</u>, Luca D'Auria, José Barrancos Martínez, José Luis Sánchez de La Rosa, Nemesio M. Pérez</p>	
09:30-10:00	Break & Poster Session III				



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TIME	KERKYRA BALLROOM	KERKYRA CORRIDOR HALL	LEFKAS-ZANTE HALL	PAXI-ITHAKA HALL	KROKIDIS HALL
10:00-11:30	<p>Session 27: Innovating and integrating: Bringing new science into Earthquake Hazard and Risk Assessment for Europe (Part 7)</p> <p>Conveners: <u>Fatemeh Jalayer - Radmila Salic Makreska</u></p>	<p>Session 30: Large-scale seismological experiments: Plans, results, and challenges (Part 2)</p> <p>Conveners: <u>Kristine Pankow - Men-Andrin Meier</u></p>	<p>Session 47: The 50th anniversary of the European-Mediterranean Seismological Center (EMSC) (Part 2)</p> <p>Convenor: <u>Rémy Bossu</u></p>	<p>Session 41: New approaches in seismic event detection, phase identification and characterization (Part 2)</p> <p>Conveners: <u>Thomas Garth - Natalia Poiata</u></p>	<p>Session 05: Empowering communities: Engaging citizens in seismic risk reduction (Part 2)</p> <p>Conveners: <u>Lorena Daphna Kuratle - Chiara Scaini</u></p>
10:00	<p>777 Bayesian fragility modeling for non-structural damage: Insights from south Iceland</p> <p>Moitaba Moosapoor, Bjarni Bessason, Birgir Hrafnkelsson</p>	<p>Invited</p> <p>182 AlpArray: from nucleation to growth, lessons learnt and legacy</p> <p>György Hetényi, Irene Molinari, Claudia Piromallo, Jaroslava Plomerová, AlpArray Working Group</p>	<p>Invited</p> <p>890 The history and role of EMSC and ORFEUS in European cooperation in seismology</p> <p>Domenico Giardini</p>	<p>548 Qseek: A data-driven Earthquake Detection, Localization and Characterization Framework</p> <p>Marius Isken, Peter Niernz, Sebastian Heimann, Jannes Münchmeyer, Simone Cesca, Hannes Vasyura-Bathke, Torsten Dahm</p>	<p>266 A citizen science approach for supporting rapid earthquake impact assessments</p> <p>Denis Sandron, Teresa Tufaro, Anna Scolobig, Fabio Dibernardo, Stefano Parolai, Alessandro Rebez</p>
10:15	<p>752 Bayesian empirical fragility assessment using conditional GMM-based ground shaking fields: Application to damage data for 2023 Kahramanmaraş Türkiye Earthquake</p> <p>Hossein Ebrahimian, Fatemeh Jalayer, Ufuk Hancilar, Nurullah Açıkgoz</p>			<p>747 Seismic phase picking at regional distances with neural networks</p> <p>Albert Leonardo Aguilar Suarez, Gregory Beroza</p>	<p>406 The potential of technology for DRR – A guiding reflection toolbox</p> <p>Lorena Daphna Kuratle, Irina Dallo, Michèle Marti, Michael Stauffacher</p>
10:30	<p>682 Toward Effective Emergency Response: A Multi-Stage Approach for Assessing the Impact of Major Earthquakes</p> <p>Valerio Poggi, Chiara Scaini, Elisa Zuccolo, Laura Cataldi, Deniz Ertuncay, Stefano Parolai, Matteo Picozzi</p>	<p>162 AdriaArray – A passive seismic experiment to explore geodynamic drivers of plate deformation and geohazards in the Central Mediterranean</p> <p>Thomas Meier, Petr Kolínský, AdriaArray Seismology Group</p>	<p>809 Collaboration with EMSC: A perspective from the ISC</p> <p>Dmitry Storchak, James Harris, Domenico Di Giacomo</p>	<p>874 Deep-learning-based earthquake depth determination in SeisComp</p> <p>Joachim Saul, Jannes Münchmeyer, Frederik Tilmann</p>	<p>379 How citizens enable seismic monitoring in a country like Haiti, where institutions no longer work</p> <p>Francoise Courboux, Eric Calais, Sylvert Paul, Tony Monfret, Steeve Symythe, Jérôme Chèze, David Ambrois, Bernard Mercier de Lepinay, Bertrand Delouis, Julien Balestra, Camille de Carolis, Remy Bossu</p>
10:45	<p>843 Heightening the efficiency of procedures for seismic risk assessment of civil infrastructure</p> <p>Ana Maria Zapata Franco, Yeudy Felipe Vargas Alzate</p>	<p>584 PatagoniARRAY – Deployments in vast empty areas under harsh conditions; setup and lessons learned</p> <p>Mark van der Meijde, Juan Carlos Afonso, Zhen Guo, Yingjie Zhang, Cesar Navarrete</p>	<p>642 NEIC and EMSC frenemies for 50 years: Improving seismology through cooperation and friendly competition</p> <p>Paul Earle, Rémy Bossu, David J. Wald, Michelle Guy</p>	<p>643 Gaining Scientific insights on Near Real-Time Earthquake Depth Features: Towards a Real-Time Earthquake Depth Discriminator with Machine Learning</p> <p>Louisa Barama, Andrew Newman</p>	<p>256 Community engagement with earthquake risk reduction in Southern California</p> <p>Lucile Jones</p>
11:00	<p>883 Earthquake loss estimates for the industrial building stock in Istanbul</p> <p>Ufuk Hancilar, Karin Şeşetan, Eser Çaktı</p>		<p>133 The collaboration between the Cyprus Geological Survey Department and EMSC: Using EMSC services for a comprehensive dissemination of the earthquake information in Cyprus</p> <p>Iordanis Dimitriadis, Sylvana Piliidou, Nikolas Papadimitriou, Paris Iosif, Rémy Bossu, Julien Roch, Simon Issartel</p>	<p>664 Comparative analysis of Machine-Learning models for earthquake magnitude estimation</p> <p>Ioannis Spingos, Angelos Zymvragakis</p>	<p>693 Users Preferences on Tools Dealing with Earthquake Misinformation on Social Media</p> <p>Nadejda Komendantova, Mats Danielson, Reza Yeganegi, Laure Fallou</p>
11:15	<p>229 Towards resilient cities: Integrating urban-scale insights into seismic risk assessment in Basel, Switzerland</p> <p>Afifa Imtiaz, Athanasios Papadopoulos, Donat Fäh</p>		<p>095 Operation and principle of the EMSC new Real-Time System (RTS)</p> <p>Julien Roch, Matthieu Landès, Guillaume Ucciani, Simon Issartel, Remy Bossu</p>	<p>566 Analysis of seismic activity in the High Agri Valley (southern Italy) from 2016 to 2023 using machine learning algorithms and high-performance computing</p> <p>Tony Alfredo Stabile, Serena Panebianco, Francesco Izzi, Giuseppe La Scaleia, Lorenzo Amato, Donato Maio, Vincenzo Serlenga</p>	<p>792 Enhancing post-earthquake response through collaborative seismic monitoring and civil protection volunteer engagement</p> <p>Licia Faenza, Emanuela Ercolani, Romano Camassi, Silvia Pondrelli, Marco Brunelli, Lorenzo Bacci, Alessandro Rebez, Denis Sandron</p>



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TIME	KERKYRA BALLROOM	KERKYRA CORRIDOR HALL	LEFKAS-ZANTE HALL	PAXI-ITHAKA HALL	KROKIDIS HALL
11:30-12:30	<p>Keynote Lecture 3 Inge Lehmann Distinguished Award Lecture Chairperson: Dmitri A. Storchak</p> <p><i>Seismic noise in Europe and body wave imaging of the deep earth</i> Helle Pedersen</p>				
12:30-14:00	Lunch Break				
14:00-15:30	<p>Session 18: Characterization and mitigation of anthropogenic seismicity: Towards a sustainable green energy development (Part 1)</p> <p>Conveners: Luisa Valoroso - Emmanuelle Klein</p>	<p>Session 30: Large-scale seismological experiments: Plans, results, and challenges (Part 3)</p> <p>Conveners: Valerie Sahakian - George Kaviris</p>	<p>Session 47: The 50th anniversary of the European-Mediterranean Seismological Center (EMSC) (Part 3)</p> <p>Convener: Florian Haslinger</p>	<p>Session 06: Physics-based fault-to-site ground motion modelling for seismic hazard and risk assessment (Part 1)</p> <p>Conveners: Aybige Akinci - Morgan Moschetti</p>	<p>Session 16: Seismic instrumentation – How precise is precise enough? (Part 1)</p> <p>Conveners: Peggy Hellweg - Thomas Bruns</p>
14:00	<p>645 <i>Delustering of induced seismicity catalogues: comparison of methods using seismicity associated with the 2000 stimulation at Soultz-sous-Forêts</i> Julie Maury, Fengfeng Zhang, Hideo Aochi, Farid Smal, Thomas Le Guenan</p>	<p>849 <i>Designing arrays for rupture and fault zone observatory</i> Frank Vernon, Robert Busby, Yehuda Ben-Zion</p>	<p>Invited 283 <i>The key role of eyewitnesses observations for rapid impact assessment: a retrospective study of the M7.8 Kahramanmaras-Pazarcik (Türkiye) earthquake</i> Remy Bossu, Maren Böse, Robert Steed, Dave Wald</p>	<p>657 <i>On the near-fault ground motion from the observation and simulation</i> Hideo Aochi, Eiichi Fukuyama</p>	<p>430 <i>How exact are seismic measurements: Sources of uncertainty</i> Peggy Hellweg, Horst Rademacher</p>
14:15	<p>565 <i>Induced Seismicity Controlled by Injected Hydraulic Energy: the Case Study of the EGS Soultz-sous-Forêts Site</i> Kamel Drif, Olivier Lengliné, Jannes Kinscher, Jean Schmittbuhl</p>	<p>400 <i>Using a large-N, dense seismic array to image the Yellowstone magmatic system with active and passive sources</i> Jamie Farrell, Brandon Schmandt, Sin-Mei Wu, Fan-Chi Lin, Hsin-Hua Huang, Chenglong Duan, Wenkai Song</p>		<p>190 <i>0-5Hz deterministic ground motion modeling of the Mw6.91986 loma prieta earthquake using the usgs 3d velocity model of the San Francisco Bay area</i> Arben Pitarka</p>	<p>207 <i>Providing SI-Traceable calibration for reference seismometers</i> Thomas Bruns, Leonard Klaus, Michaela Schwardt, Michael Kobusch</p>
14:30	<p>247 <i>Forecasting the next largest earthquake during EGS stimulations</i> Iason Grigoratos, Grzegorz Kwiatek, Stefan Wiemer</p>	<p>236 <i>Two decades of MOBNET pool deployment in European large-scale passive seismic experiments - challenges and scientific outcomes</i> Jaroslava Plomerova</p>	<p>Invited 776 <i>Feasibility of earthquake impact assessment using automatic sentiment and topic analysis. The case of 2023 Morocco earthquake</i> Diana Contreras, Dimosthenis Antypas, Sean Wilkinson, Matthieu Landès, Jose Camacho-Collados, Rémy Bossu</p>	<p>135 <i>Ground motion characteristics through 3d numerical simulations in central Italy</i> Aybige Akinci, Arben Pitarka, Pasquale De Gori, Pietro Artale Harris</p>	<p>530 <i>Calibration of Seismometers according to ISO 16063-11 – An overview</i> Philipp Begoff, Michael Mende</p>
14:45	<p>276 <i>Induced seismic by deep geothermal operations: guidelines for hazard assessment</i> Francesca De Santis, Julie Maury, Emmanuelle Klein, Mariane Peter-Borie, Isabelle Contrucci, Pascal Dominique</p>	<p>452 <i>DSEBRA - the German seismological contribution to AlpArray, PACASE and AdriaArray</i> Antje Schlömer, Joachim Wassermann, Wolfgang Friederich, Marcel Paffrath, Thomas Meier</p>		<p>788 <i>A physics-based model for multi-scenario deterministic hazard analysis of bagan, Myanmar</i> Jahnabi Basu, Bhargavi Podili, Raghukanth S.T.G.</p>	<p>505 <i>Bringing the SI to the field: Challenges of on-site seismometer calibration</i> Michaela Schwardt, Thomas Bruns, Christoph Pilger, Peter Gaebler</p>
15:00	<p>091 <i>Pre-screening of induced seismicity risks for CO2 injection at Trüllikon, Switzerland</i> Ryan Schultz, Antonio Pio Rinaldi, Philippe Roth, Philipp Kästli, Herfried Madritsch, Stefan Wiemer</p>	<p>477 <i>IMAGMASEIS: Investigating the post-eruption structure of Cumbre Vieja volcano on La Palma, Canary Islands, with a large-scale seismological experiment</i> Javier Tortosa, Enrique Carmona, Janire Prudencio, Benito Martin, Pablo Rey-Devesa, Gerardo Alguacil, Carlos Araque, Guillermo Cortes, Mercedes Feriche, Jose Morales, Javier Moreno, Alfonso Ontiveros-Ortega, David Carrero, Xiaohui Yuan, Benjamin Heit, Rafel Abella, Javier Almendros</p>	<p>553 <i>The performance of EMSC in 2023 and its evolution over the last decade</i> Simon Issartel, Rémy Bossu, Jean Marc Cheny, Camille De Carolis, Matthieu Landès, Julien Roch, Frédéric Roussel, Robert Steed, Guillaume Ucciani</p>	<p>180 <i>The effects of surface topography and basin layering on the earthquake ground motion intensities in intermontane-basin settings</i> Himanshu Agrawal, Mark Naylor</p>	<p>839 <i>Calibration challenges for the Comprehensive Nuclear-Test-Ban International Monitoring System (IMS) stations based on seismic technology</i> Paola Campus, Yacine Sid Ahmed, Moctar Moumouni Kountche, Benoit Doury</p>



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TIME	KERKYRA BALLROOM	KERKYRA CORRIDOR HALL	LEFKAS-ZANTE HALL	PAXI-ITHAKA HALL	KROKIDIS HALL
15:15	194 <i>Fault characterization of the Lake Pertusillo Reservoir induced seismicity (Southern Italy) by using an enhanced template-matching catalog</i> Luisa Valoroso , Davide Piccinini, Luigi Improta, Sonja Gaviano	838 <i>Innovating seismic monitoring: Lessons from the USArray transportable array's design and deployment</i> Frank Vernon , Robert Busby	284 <i>The LastQuake Twitter bot as a tool to fight earthquake predictions on social media</i> Camille De Carolis , Laure Fallou, Rémy Bossu, Jean-Marc Chény, Nadejda Komendantova		800 <i>Advancements in quality assurance for the International Monitoring System</i> Benoit Doury , Alfred Kramer, Paola Campus
15:30-17:00	Session 18: Characterization and mitigation of anthropogenic seismicity: Towards a sustainable green energy development (Part 2) Conveners: Emmanuelle Klein - Luisa Valoroso	Session 30: Large-scale seismological experiments: Plans, results, and challenges (Part 4) Conveners: Men-Andrin Meier - Thomas Meier	Session 45: Innovations in Geoscience education: Inspiring students to become tomorrow's earth scientists Conveners: Olga-Joan Ktenidou - Efthimios Sokos	Session 06: Physics-based fault-to-site ground motion modelling for seismic hazard and risk assessment (Part 2) Conveners: Aybige Akinci - Arben Pitarka	Session 16: Seismic instrumentation – How precise is precise enough? (Part 2) Conveners: Peggy Hellweg - Thomas Bruns
15:30	139 <i>New insights into the mechanism of Induced seismicity from resumed production at the Balmatt geothermal doublet (2021-2022)</i> Jannes Kinscher , Matsen Broothaers, Rachit Gautam, Ben Laenen, Emmanuelle Klein	076 <i>Mapping the Mantle Transition Zone: Insights from P-to-S receiver function analysis in Central and Eastern Europe</i> Dániel Kalmár , Konstantinos Michailos, Laura Petrescu, György Hetényi, Cristian Neagoe, Götz Bokelmann	513 <i>The CORE APP Challenge: Constructing Prevention Sentinels - Disaster Preparedness and Risk Perception</i> Ortensia Amoroso , Maria Vittoria Gargiulo, Raffaella Russo, Paolo Capuano, and CORE Working Group	456 <i>Ground motion insights from Dynamic Modeling of the 2023 Türkiye Earthquake Doublet</i> Bo Li , Kadek Hendrawan Palgunadi, Baoning Wu, Yijian Zhou, Abhijit Ghosh, Paul Martin Mai	509 <i>A matter of uncertainty: How calibrated seismometers improve parameter estimation from seismic events</i> Michaela Schwardt , Thomas Bruns, Christoph Pilger, Peter Gaebler
15:45	219 <i>Source properties of microseismicity at the united downs deep geothermal project, Cornwall</i> Callum Harrison , Brian Baptie, Richard Luckett	064 <i>Contribution of the AdriaArray stations to the monitoring of the recent Euboea sequences</i> George Kaviris , Vasilis Kapetanidis, Andreas Karakonstantis, Ioannis Spingos, Nikolaos Madonis, Haralambos Kranis, Panayotis Papadimitriou, Kostas Makropoulos, Nicholas Voulgaris	621 <i>Exploring the past: Inspiring tomorrow's earth scientists through an integrated approach using state-of-the-art geoscience technologies at Chiajna Monastery (Romania)</i> Eduard Ilie Nastase , Dragos Tataru, Laurentiu Angheluta, Bogdan Cerbu, Bogdan Grecu, Andrei Emilian Mihai, Alexandra Gereu, Alexandru Tigănescu, Dragos Toma-Danila, Lucian Ratoiu, Tiberiu Popescu	119 <i>Research on an empirical prediction model considering the terrain amplification effect</i> Minghui Hao , Xiaoliang Zhang, Fei Deng, Yushan Zhang	528 <i>Influence of ground stiffness and mounting conditions on the dynamic behaviour of Seismometers</i> Thomas Bruns , Michael Kobusch, Leonard Klaus
16:00	399 <i>DC or non-DC? Exploring uncertainties and resolution limitations for source mechanism studies in a complex EGS environment</i> Peter Niemez , James Rutledge, Gesa Petersen, Claudia Finger, Kris Pankow	864 <i>Surface-wave diffraction observed by large networks: measurement, quantities, explanation, modeling and inversion</i> Petr Kolinský , Tena Belinić Topić, Luděk Vecsey, the AlpArray Working Group, the AdriaArray Seismology Group	661 <i>CRL School: The educational component of the Corinth Rift Laboratory. A sustainable hand-on opportunity for inspiring young geoscientists and school teachers</i> Panagiotis Elias , George Kaviris, Fotis Danaskos, Kyriaki Makri, Angelos Zymvragakis, Christopher Kaltzas, Athanassios Ganas, Georgios Goutsos, Alexandros Papadopoulos, Christian Beck, Olympia Tripolitsiotou, Francesca Cifelli, Jean-Luc Berenguer, Carlo Laj, Pierre Briole	285 <i>Improving emergency response: Near real-time earthquake physics-based ground motion simulations in northeastern Italy</i> Elisa Zuccolo , Chiara Scaini, Valerio Poggi, Manuela Vanini, Chiara Smerzini	427 <i>Approaches to achieve accuracy and precision in the manufacture of seismic instrumentation</i> Bruce Townsend , Geoffrey Bainbridge, Michael Laporte, Yi Lin, Sarvesh Upadhyaya
16:15	561 <i>Seismicity changes around the Gotvand Dam (south west of Iran) after impoundment</i> Behnam Malekiasayesh , Sebastian Hainzl, Mohammad Tatar, Gert Zoller, Saeed SoltaniMoghadam	781 <i>Unveiling lithospheric and upper mantle structures in the Ibero-Maghrebian region through large-scale seismic deployments</i> Joan Antoni Parera-Portell , Flor de Lis Mancilla, José Morales, Jordi Díaz, Xiaohui Yuan, Benjamin Heit	886 <i>Geoscience education: Fostering interest, building careers, and sharing practical knowledge</i> Dragos Tataru , Eduard Nastase, Andreea Tolea, Alexandru Tigănescu, Dragos Toma-Danila, Alina Coman, Mihaela Dragan, Bogdan Zaharia	903 <i>Improved stochastic site-based simulations and ANN-based ground motion models for parameter prediction</i> Paulo B. Lourenço, S. M. Sajad Hussaini, Shaghayegh Karimzadeh	024 <i>Operational ranges and performance of seismological instrumentation</i> Lani Oncescu



Wednesday, September 25, 2024

TIME	KERKYRA BALLROOM	KERKYRA CORRIDOR HALL	LEFKAS-ZANTE HALL	PAXI-ITHAKA HALL	KROKIDIS HALL
16:30			<p>862 <i>Revealing earthquake mysteries: Empowering education with innovative technologies</i> Katerina Orfanogiannaki, <u>Olga-Joan Ktenidou</u>, Anastaia-Eleni Magoula</p>	<p>396 <i>Ground Motion Simulation Efforts and Simulated Ground Motion Databases in Turkey: A Review of the Last Decade and Recent Findings</i> <u>Aysegul Askan</u>, Kubilay Albayrak, Abdullah Altindal, Shaghayegh Karimzadeh, Ertugrul Taciroglu</p>	<p>307 <i>Review of achievements and recording perspectives of rotational seismology</i> <u>Anna Kurzych</u>, Leszek Jaroszewicz</p>
16:45				<p>240 <i>Analyzing Temporal and Spatial variation in Attenuation and Its Impact on Ground Motion Characteristics in Central Italy</i> <u>Simona Gabrielli</u>, Aybige Akinci, Carolina Gutierrez, Javier Ojeda Vargas, Sebastian Arriola, Sergio Ruiz</p>	
17:00-18:00	Break & Poster Session III				
18:00-19:30	EMSC GA		Early Career Meeting	COSMOS Workshop: Recommendations for ground motion measurements representative of free-field conditions	



Poster Session III

Wednesday, September 25, 2024 | 09:30-10:00 & 17:00-18:00

Session 05: Empowering communities: Engaging citizens in seismic risk reduction

PP01	278 <i>Science for Society: Building earthquake resilience with haitian citizens</i> Camille De Carolis , Laure Fallou, Alice Corbet, Justine Celestin, Rémy Bossu, Eric Calais
PP02	694 <i>The Democratization of Seismology in Angra do Heroísmo Municipality (Terceira Island, Azores): A Citizen Science Case Study</i> Joao Fontiela , Miguel Mendonca
PP03	813 <i>Challenges and opportunities in engaging citizens and stakeholders in risk-related data collection</i> Chiara Scaini , Carla Barnaba, Antonella Peresan

Session 06: Physics-based fault-to-site ground motion modelling for seismic hazard and risk assessment

PP04	037 <i>Seismic microzoning and ground motion prediction maps in Croatia – case study : City of Sinj</i> Snježana Markušić , Davor Stanko, Iva Lončar, Bruno Mravlja
PP05	059 <i>Spectral Characteristics of the Seismic Response for Risk-Exposed Urban Areas</i> Bogdan Felix Apostol, Carmen Ortanza Cioflan, Alexandru Marmureanu, Iren Adelina Moldovan , Catalina Roxana Bratu
PP06	126 <i>Development of GMPE model for Croatia</i> Davor Stanko , Snježana Markušić, Iva Lončar, Tomislav Fiket
PP07	150 <i>Near-source ground motion simulations to evaluate the seismic hazard at the Campotosto Lake (Central Italy)</i> Luca Moratto , Marco Santulin, Alberto Tamaro, Angela Saraò, Alessandro Vuan, Alessandro Rebez
PP08	181 <i>Estimating ground motion intensities using simulation-based estimates of local crustal seismic response</i> Himanshu Agrawal , John McCloskey
PP09	245 <i>Effects of source directivity observed in the near-fault zones of large earthquakes</i> Olga Pavlenko
PP10	363 <i>Realistic 3D simulations and ground motion prediction over offshore areas in Italy</i> Irene Molinari , Lorenzo Lipparini, Sarah Carcano, Licia Faenza, Martina Forzese, Giulia Sgattoni, Angela Stallone
PP11	388 <i>Path duration model for stochastic method of ground motion simulation at Mount Etna volcano</i> Steven Jeffrey Brooks, Giuseppina Tusa , Raffaele Azzaro, Andrea Cannata, Francesco Panzera
PP12	896 <i>Advancing Ground Motion Prediction for Istanbul: A region-specific model</i> Nilgün Merve Çağlar, Hakan Süleyman , Eser Çaktı, Fatma Sevil Malcıoğlu
PP13	900 <i>Study on spatial distribution characteristics of strong ground motion in rift basins</i> Changhua Fu , Aiyu Zhu

Session 16: Seismic instrumentation – How precise is precise enough?

PP14	665 <i>Precision calibration of seismic sensors at Gaiacode</i> Cansun Guralp
PP15	801 <i>CalxPy: A Software for Calibration against a reference</i> Benoit Doury , Ichrak Ketata
PP16	367 <i>An automatic system to characterize and calibrate seismic broadband sensors</i> Francesco Liguoro , Massimo Orazi, Claudio Martino, Lucia Nardone
PP17	337 <i>Validating Broadband Seismometer Performance Over Time Using Automated Calibration Procedures</i> Jessica Bird, Ella Price, Connor Foster, Neil Watkiss, Aaron Clark, Phil Hill, James Lindsey, Frederica Restelli



PP18	067 <i>Seismometers' self-noise and high frequency measurements</i> Fabrice Lepoint , Olivier Serge
PP19	807 <i>High frequency ground motion and electrical calibrations of seismometers used at IMS stations</i> Bion Merchant , Doug Bloomquist, George Slad
PP20	426 <i>The Five M's of Seismic Station Quality: Machines, Methods, Metadata, Monitoring, Maintenance</i> Bruce Townsend , Geoffrey Bainbridge, Michael Perlin, Michael Laporte

Session 18: Characterization and mitigation of anthropogenic seismicity: Towards a sustainable green energy development

PP21	193 <i>Induced seismicity in Southeastern New Mexico, USA</i> Justin Rubinstein , Jeong-Ung Woo
PP22	631 <i>Good practice guidelines to minimize seismic risk at Enhanced Geothermal Systems</i> Iason Grigoratos , Wen Zhou, Federica Lanza, Ryan Schultz, Annemarie Muntendam-Bos, Stefan Wiemer

Session 30: Large-scale seismological experiments: Plans, results, and challenges

PP23	118 <i>The mantle transition zone structure beneath the Trans-north China orogen and western North China Craton based on ChinArray phase II and III deployments</i> Xiaoming Xu , Zhifeng Ding, Fenglin Niu
PP24	134 <i>Moho thickness of Bulgaria from receiver functions</i> Gergana Georgieva , Hana Kampfová Exnerová, Elitza Pandurska, Elitsa Ilieva, Ilija Banov, Thorsten Nagel
PP25	408 <i>The Eifel large-N multisensor seismological experiment sheds light on magmatic processes from the upper mantle to diffuse degassing points at the surface of the Eifel volcanic fields, Germany</i> Torsten Dahm , Marius P. Isken, Claus Milkereit, Stefan Mikulla, Xiaohui Yuan, Christoph Sens-Schönfelder, Thomas Meier, Felix Eckel, Miriam Reiss, Georg Rumpker, Martin Zeckra, Sebastian Carrasco, Martin Hensch, Bernd Schmidt, Adrien Oth, Sebastian Busch, Gesa Petersen
PP26	618 <i>Receiver function imaging of Moho depth anomalies in the Western Carpathians based on data from PACASE passive seismic experiment</i> Piotr Środa , Julia Rewers, PACASE Working Group
PP27	638 <i>The seismic network of the University of Silesia - A part of AdriaArray Project</i> Maciej Mendecki , Wojciech Czuba, Piotr Środa, Tomasz Janik, Julia Rewers, Somayeh Abdollahi, Monika Bociarska, Szymon Malinowski
PP28	754 <i>Mapping the Moho in the Western Carpathians and the Bohemian Massif with P-receiver functions</i> Hana Kampfová Exnerová , Jaroslava Plomerová, Luděk Vecsey, AdriaArray Seismology group
PP29	834 <i>High-resolution Imaging of crust and upper-mantle structure of the Netherlands</i> Stephen Akinremi, Islam Fadel , Elmer Ruigrok, Juan Carlos Afonso, Christine Thomas, Mark van der Meijde
PP30	850 <i>A new low-cost compact seismograph consisting of velocity and acceleration sensors for dense seismic network deployments</i> Ioannis Vlachos, Nikos Germenis , Markos Avlonitis

Session 41: New approaches in seismic event detection, phase identification and characterization

PP31	081 <i>A practical approach to utilize deep-learning algorithms for earthquake catalog compilation in local obs networks</i> Matthias Pilot , Vera Schindwein
PP32	147 <i>Testing LOC-FLOW to compare Machine Learning with Manual Location procedures: The case study of a microseismic sequence occurred in NE Italy</i> Monica Sukan, Laura Peruzza, Maria Adelaide Romano, Mariangela Guidarelli, Luca Moratto , Denis Sandron, Milton Plasencia Linares, Marco Romanelli
PP33	156 <i>Implementation of a machine-learning based earthquake detection workflow in the Spanish Seismic Network: preliminary results</i> Lucía Lozano , Resurrección Antón, Eduardo Díaz, Carmen María Álvarez, María Victoria Manzanedo, Daniel Mínguez, Juan Vicente Cantavella
PP34	314 <i>Testing denoising techniques for microearthquake detection in an urban area in the Lower Rhine Embayment, Germany</i> Marco Roth , Sebastian Carrasco, Rebecca Harrington, Kasper Fischer
PP35	527 <i>Exploring the application of Characteristic Functions on DAS data and their influence in event detection performance</i> Sonja Gaviano , Giacomo Rapagnani, Davide Pecci, Juan Porras, Estelle Rebel, Francesco Grigoli



PP36	748 <i>An investigation of the incorporation of deep-neural-network-based seismic arrival time picking methods to a routine network location workflow</i> Odysseus Galanis , Areti Panou, Costas Papazachos
PP37	787 <i>Automatic event detection and localisation using three-component array and denoising by Principal Component Analysis</i> Claire Labonne , Erwann Rouzaud, Mikael Freire, Yoann Cano

Session 45: Innovations in Geoscience education: Inspiring students to become tomorrow's earth scientists

PP38	043 <i>Seismo@School – A Swiss-wide initiative to bring current earthquake knowledge to schools</i> Maren Böse , Irina Dallo, György Hetényi, Roman Racine, Romain Roduit
PP39	349 <i>Fostering Learning: Introducing an Low-Cost Seismic Network Initiative for Educational Purpose in Ukraine</i> Tetiana Amashukeli , Liudmyla Farfuliak, Luca Malatesta, Oleksandr Haniiev, Kostiantyn Petrenko, Bogdan Kuplovskiy, Vasyl Prokopyshyn, Dmytro Levon
PP40	648 <i>Teaching Earthquakes through Six Thinking Hats</i> Olympia Tripolitsiotou, George Kaviris
PP41	691 <i>Live data education experience with the “Earthquake Suitcase” and “Raspberry Shake and Boom”</i> Vasiliki Kouskouna , Heather Ridge, Vasileios Kapetanidis, Nikolaos Galanos, Georgios Sakkas, Nikolaos Sakellariou

Session 47: The 50th anniversary of the European-Mediterranean Seismological Center (EMSC)

PP42	099 <i>The challenge of a new version of the LastQuake smartphone app!</i> Frederic Roussel, Camille De Carolis, Rémy Bossu, Jean-Marc Chény, Julien Roch , Matthieu Landès, Simon Issartel, Guillaume Ucciani, Robert Steed
PP43	723 <i>INGV's Contribution to Real-Time Seismic Monitoring at the EMSC Institute: A Collaborative Endeavor</i> Laura Scognamiglio , Rita Di Giovanbattista, Alberto Michelini, Valentino Lauciani, Matteo Quintiliani, Silvia Pondrelli, Lucia Margheriti



Thursday, September 26, 2024

TIME	KERKYRA BALLROOM	KERKYRA CORRIDOR HALL	LEFKAS-ZANTE HALL	PAXI-ITHAKA HALL	KROKIDIS HALL
08:30-09:30	<p>Session 24: Analysis of spatiotemporal evolution of seismicity using physical and statistical models, machine learning, and laboratory experiments (Part 1)</p> <p><u>Conveners:</u> Stefania Gentili - Piero Brondi</p>	<p>Session 29: Episodic earthquake swarms and recurrent unrests: Multidisciplinary approaches (Part 1)</p> <p><u>Conveners:</u> Pinar Büyükakpınar - Luigi Passarelli</p>	<p>Session 25: Preparatory processes of earthquakes, from laboratory experiments to large earthquakes (Part 1)</p> <p><u>Conveners:</u> Antonio Giovanni Iaccarino - Giuliana Rossi</p>	<p>Session 04: Passive and active seismological methods for imaging and monitoring of shallow geological structures (Part 1)</p> <p><u>Conveners:</u> Francesco Panzera - Manuel Hobiger</p>	<p>Session 19: Surface-breaking earthquakes as a key tool in seismic hazard assessment (Part 1)</p> <p><u>Conveners:</u> Maria Francesca Ferrario - Octavi Gómez-Novell</p>
8:30	<p>237 <i>Systematics of the effective width of strike-slip plate boundaries</i> Shaked Engelberg, Nadav Wetzler, Amotz Agnon</p>	<p>871 <i>Volcano-tectonic interaction on Reykjanes Peninsula, Iceland</i> Kristín Vogfjörð, Michelle Parks, Halldór Geirsson, Áslaug Birgisdóttir</p>	<p>704 <i>Fault orientation in earthquake seismic precursors: Insights from the laboratory</i> Carolina Giorgetti, Nicolas Brantut</p>	<p>200 <i>Study of Soil Dynamic Properties related to its moisture, using ambient noise: The case of ARGONET (Greece) vertical array</i> Areti Panou, Nikolaos Theodoulidis, Ioannis Grendas, Fabrice Hollender, Zafeiria Roumelioti, Pauline Rischette</p>	<p>656 <i>Filling a knowledge gap within the Eastern Betics Shear Zone: First age constraints of seismic activity for the Palomares Fault</i> Júlia Molins i Vigatà, María Ortuño, Juan Miguel Insua Arévalo, Raquel Martín Banda, John Gallego Montoya, Marc Ollé, Octavi Gómez Novell, Stéphane Baize, Thomas Rockwell, Eulàlia Masana, Raimon Pallàs</p>
8:45	<p>224 <i>Correlation between kinematic parameters of seismicity and earthquake magnitudes in seismic series preceding mainshocks</i> Stanislaw Lasocki, Yaseen Mahmood</p>	<p>866 <i>Seismic activity and graben formation preceding the Grindavík 2023 eruption</i> Tomas Fischer, Pavla Hrubcová, Josef Vlček</p>	<p>544 <i>Comparison of conventional and event-based feature extraction approaches for labquake forecasting based on machine learning</i> Sadegh Karimpouli, Grzegorz Kwiatek, Patricia Martínez-Garzón, Georg Dresen, Marco Bohnhoff</p>	<p>328 <i>P-Wave Seismogram Method: Navigating between proxy and direct Vs30 assessment uncertainty minimization</i> Evaggelia Pappa, Costas Papazachos, Nikolaos Chatzis, Ioannis Grendas, Nikolaos Theodoulidis, Petros Triantafyllidis</p>	<p>368 <i>The slip relationship between across-strike faults: New observations of Greece's 1981 earthquake ruptures and the long-term slip history of the Pisias and Skinos Faults</i> Sam Mitchell, Gerald Roberts, Joanna Faure Walker, Francesco Iezzi, Claudia Sgambato, Jennifer Robertson, Zoe Mildon, Athanassios Ganas, Ioannis Papanikolaou, Elias Rugen</p>
9:00	<p>167 <i>b-value maps for some volcanoes worldwide. What we learn?</i> Cataldo Godano, Anna Tramelli, Eleftheria Papadimitriou, Vasileios Karakostas, Giuseppe Petrillo, Vincenzo Convertito</p>	<p>124 <i>Episodic earthquake swarms and recurrent unrest: Examples from the Reykjanes trans-tensional volcano-tectonic rift, Iceland</i> Torsten Dahm, Pinar Büyükakpınar, Marius Isken, Gylfi Páll Hersir, Egill Árni Gudnason, Thomas Walter, Philippe Jousset, Jana Doubravová, Thorbjörg Ágústsdóttir, Ólafur G. Flóvenz</p>	<p>088 <i>The preparatory process of the 2023 Mw 7.8 Türkiye earthquake</i> Matteo Picozzi, Antonio Giovanni Iaccarino, Daniele Spallarossa</p>	<p>507 <i>Progress on the geophysical characterization of the Catalonia Seismic Network (NE Spain)</i> Albert Macau, Juvenal Andrés, Fabian Bellmunt, Anna Gabàs, Beatriz Benjumea, Sara Figueras</p>	<p>819 <i>Out of phase slip on the onshore Pisias and offshore Strava faults (Gulf of Corinth, Greece)</i> Jenni Robertson, Claudia Sgambato, Gerald Roberts, Zoe Mildon, Joanna Faure Walker, Francesco Iezzi, Sam Mitchell, Athanassios Ganas, Ioannis Papanikolaou, Elias Rugen, Varvara Tsironi</p>
9:15	<p>779 <i>The estimation of b-value of the frequency-magnitude distribution and of its one-sigma intervals from binned magnitude data</i> Stefano Tinti, Paolo Gasperini</p>	<p>660 <i>Pre-eruption 2021 seismic activity in Fagradalsfjall, Iceland as a sensitive indicator of volcano-tectonic movements</i> Pavla Hrubcová, Tomáš Fischer, Jana Doubravová, Václav Vavryčuk</p>	<p>762 <i>Deep learning analysis of low-frequency patterns preceding the 2023 mw 7.8 kahramanmaraş earthquake in Türkiye</i> Zahra Zali, Patricia Martinez Garzon, Grzegorz Kwiatek, Greg Beroza, Fabrice Cotton, Marco Bohnhoff</p>	<p>853 <i>COSMOS site characterization working group: Achievements and perspectives, from the determination of soil properties to the consideration of topography and installation effects</i> Aysegül Askan, Marco Pilz, Fabrice Hollender, Pauline Rischette</p>	<p>489 <i>Coseismic surface ruptures and secondary effects triggered by the 6 February 2023 East Anatolia earthquakes as factors controlling building damage in the affected area</i> Spyridon Mavroulis, Emmanuel Vassilakis, Ioannis Argyropoulos, Panayotis Carydis, Efthymios Lekkas</p>
09:30-10:00	Break & Poster Session IV				



Thursday, September 26, 2024

TIME	KERKYRA BALLROOM	KERKYRA CORRIDOR HALL	LEFKAS-ZANTE HALL	PAXI-ITHAKA HALL	KROKIDIS HALL
10:00-11:30	<p>Session 24: Analysis of spatiotemporal evolution of seismicity using physical and statistical models, machine learning, and laboratory experiments (Part 2)</p> <p>Conveners: Stefania Gentili - Piero Brondi</p>	<p>Session 29: Episodic earthquake swarms and recurrent unrests: Multidisciplinary approaches (Part 2)</p> <p>Conveners: Pinar Büyükakpinar - Luigi Passarelli</p>	<p>Session 25: Preparatory processes of earthquakes, from laboratory experiments to large earthquakes (Part 2)</p> <p>Conveners: Zahra Zali - Daniele Spallarossa</p>	<p>Session 04: Passive and active seismological methods for imaging and monitoring of shallow geological structures (Part 2)</p> <p>Conveners: Fabio Villani - Sebastiano D'Amico</p>	<p>Session 19: Surface-breaking earthquakes as a key tool in seismic hazard assessment (Part 2)</p> <p>Conveners: Alessio Testa - Stephane Baize</p>
10:00	<p>244 <i>NESTORE Machine Learning Algorithm applied to forecast Strong Subsequent Earthquakes in Japan</i> Stefania Gentili, Giuseppe Davide Chiappetta, Giuseppe Petrillo, Piero Brondi, Jiancang Zhuang, Rita Di Giovambattista</p>	<p>178 <i>Detect and characterise swarm-like seismicity</i> Luigi Passarelli, Simone Cesca, Leila Mizrahi, Gesa Petersen</p>	<p>571 <i>Time evolution of b-values as fault stress meter? The Influence of Lithology and Fault Source Volume</i> Cristiano Collettini, Elisa Tinti</p>	<p>154 <i>A comprehensive 3d geological-geophysical model for Basel, Switzerland</i> Afifa Imtiaz, Francesco Panzera, Miroslav Hallo, Horst Dresmann, Brian Steiner, Donat Fäh</p>	<p>389 <i>Why Do Large Earthquakes Appear to be Rarely "Overdue" for Faults Globally?</i> Vasiliki Mouslopoulou, Andy Nicol, Andy Howell, Jonathan Griffin</p>
10:15	<p>467 <i>Analysis of clusters with strong aftershocks in Central Italy using the RAMONES database</i> Piero Brondi, Stefania Gentili, Matteo Picozzi, Daniele Spallarossa, Rita Di Giovambattista</p>	<p>576 <i>Seismological Models and Seismicity Patterns in the Kivu Rift and Virunga Volcanic Province (D.R. Congo)</i> Josué Subira, Julien Barrière, Adrien Oth, Corentin Caudron, Nicolas d'Oreye, Aurélie Hubert-Ferrari, François Kervyn</p>	<p>148 <i>Event-specific Ground motion anomaly unveils the preparatory phase of large earthquakes during the 2016-2017 seismic sequence in central Italy</i> Matteo Picozzi, Daniele Spallarossa, Antonio Giovanni Iaccarino, Dino Bindi</p>	<p>195 <i>The 3D structure of pull-apart basins along the Dead Sea fault using seismological tools</i> Eshly Aizenshtat Soffer, Nadav Wetzler, Amotz Agnon</p>	<p>218 <i>Sensitivity analysis for probabilistic fault displacement hazard assessment (PFDHA): A one-factor-at-time test integrating most recent equations</i> Michela Colombo, Francesca Ferrario, Franz Livio</p>
10:30	<p>803 <i>Comparative analysis of alarm-based earthquake forecasting models in Italy</i> Emanuele Biondini, Flavia D'Orazio, Barbara Lolli, Paolo Gasperini</p>	<p>695 <i>Characterizing the Magmatic System Beneath Santa Barbara Volcano in Terceira Island, Azores</i> Joao Fontiela, Nuno Afonso Dias, Graça Silveira, Luís Matias, Mario Moreira</p>	<p>616 <i>Investigation of seismic phases in Chile via Bayesian inference</i> Elisa Varini, Renata Rotondi, Orietta Nicolis, Fabrizio Ruggeri</p>	<p>335 <i>Structural-stratigraphic setting of the Upper Valdarno Basin (Tuscany) from high-resolution seismic imaging</i> Gaudia Stella Aquilina, Stefano Maraio, Pier Paolo Gennaro Bruno, Paolo Conti, Filippo Bonciani, Giambattista Ravidà, Nunzia Giugliano, Gianluca Comamusini</p>	<p>173 <i>Permanent ground displacement for dip slip faulting: A modelling approach</i> Luca Moratto, Laura Peruzza</p>
10:45	<p>515 <i>How good are next-day earthquake forecasts? A comprehensive prospective evaluation of clustered seismicity models in California</i> José A. Bayona, Maximilian J. Werner, Pablo Iturrieta, William H. Savran, Francesco Serafini, Marcus Herrmann, Warner Marzocchi, Fabio Silva, Philip J. Maechling</p>	<p>798 <i>Recent earthquake swarm off-coast of volcano Mt. Scenery, Saba, Caribbean Netherlands</i> Reinoud Sleeman, Elske de Zeeuw - van Dalen, Jesper Spetzler</p>	<p>382 <i>Do large earthquakes start with a precursory phase of slow slip?</i> Quentin Bletery, Jean-Mathieu Nocquet</p>	<p>405 <i>2D and 3D high-resolution seismic pre-stack depth imaging across the 1980 (Ms 6.9) Southern Italy earthquake fault scarp at Pantano di San Gregorio Magno (SA)</i> Giuseppe Ferrara, Pier Paolo Bruno, Luigi Improta</p>	<p>888 <i>Fault-based probabilistic seismic hazard assessment of Northern Algeria</i> Mustapha Meghraoui, Group Working</p>
11:00	<p>188 <i>Insights into extensional tectonics from a large deep learning focal mechanism catalogue</i> Men-Andrin Meier, Patricia Martínez-Garzón, Federica Lanza, Maria Mesimeri</p>	<p>231 <i>Statistical properties of clustered earthquakes in Southeastern Finland: Insights from model testing</i> Olli T. Jokinen, Päivi Mäntyniemi</p>	<p>110 <i>The narrow path to the discrimination of precursory seismic activity</i> Davide Zaccagnino, Filippos Vallianatos, Georgios Michas, Luciano Telesca, Carlo Doglioni</p>	<p>539 <i>Reflection imaging of small-scale geological structures in highly scattering media: example from Krafla, Iceland</i> Regina Maass, Christopher J. Bean, Ka Lok Li</p>	
11:15	<p>804 <i>A machine learning approach of asperities identification verified by a list of earthquakes taken from a cellular automata simulation model</i> Nikolaos Avgoustis, Dimitrios Kotinas, Marios Anagnostou, Ioannis Karidis, Markos Avlonitis</p>	<p>538 <i>The Earthquake Relocation Analysis (2018-2024) using Automatic Waveform Detection and Machine Learning Techniques in the NW Bohemia/Vogtland Region</i> Pinar Büyükakpinar, Marius Isken, Torsten Dahm, Andrés Olivar-Castaño, Jana Doubravová, Matthias Ohmberger, Tomáš Fischer, Sigward Funke, Siegfried Wendt</p>	<p>702 <i>The complex multi-stage preparatory process of the 2016 Kumamoto earthquake</i> Antonio Giovanni Iaccarino, Matteo Picozzi, Domenico Di Giacomo</p>	<p>650 <i>Constraining the shallow geophysical structure by joint inversion of S-wave transfer function and Rayleigh wave dispersion and ellipticity data: Results from synthetic and observed data</i> Nikolaos Chatzis, Costas Papazachos, Andres Olivar-Castaño, Matthias Ohmberger, Marios Anthymidis, Chrisanthi Ventouzi, Panagiotis Hatzidimitriou, Nikolaos Theodoulidis</p>	



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TIME	KERKYRA BALLROOM	KERKYRA CORRIDOR HALL	LEFKAS-ZANTE HALL	PAXI-ITHAKA HALL	KROKIDIS HALL
11:30-12:30	<p>Keynote Lecture 4 N.N. Ambraseys Distinguished Award Lecture Chairperson: Maria-Jose Jimenez <i>Seismic microzonation past, present, and future</i> Atila Ansal</p>				
12:30-14:00	Lunch Break				
14:00-15:30	<p>Session 24: Analysis of spatiotemporal evolution of seismicity using physical and statistical models, machine learning, and laboratory experiments (Part 3) Conveners: Stefania Gentili - Piero Brondi</p>	<p>Session 03: Seismological studies in polar regions and the cryosphere (Part 1) Conveners: Myrto Pirli - Peter Voss</p>	<p>Session 12/20: Geodynamics and active faults in the Mediterranean Realm: Recent insights and innovations (Part 1) Convener: Matthew Agius</p>	<p>Session 04: Passive and active seismological methods for imaging and monitoring of shallow geological structures (Part 3) Conveners: Paolo Bergamo - Francesco Panzera</p>	<p>Session 13: New data and methods for earthquake risk assessment: Statistical models and machine learning tools applied to ground and satellite data (Part 1) Conveners: Ioanna Triantafyllou - Elisa Varini</p>
14:00	<p>424 <i>Prospecting the stress evolution over the active faults in the Eastern Betic Cordillera by modelling significant historical earthquakes from 1673 to 1829</i> Pouye Yazdi, Julián García-Mayordomo, Eulália Masana Closa</p>	<p>Invited 016 <i>Exploring hydrothermal vent fields of the Arctic mid-ocean ridge system with ocean bottom seismology</i> Vera Schindwein, Matthias Pilot</p>	<p>Invited 262 <i>Present-day structure and recent dynamics of the Central Mediterranean from combined geodynamic and seismological modelling</i> Manuele Faccenda</p>	<p>471 <i>How do HVSR measurements respond to dynamic subsurface changes of a glacier?</i> Janneke van Ginkel, Fabian Walter, Fabian Lindner, Miroslav Hallo, Mathias Huss</p>	<p>170 <i>On the completeness magnitude and the b-positive Laplace distribution</i> Cataldo Godano, Giuseppe Petrillo, Eugenio Lippiello</p>
14:15	<p>246 <i>Cluster identification and fluid migration: the case of the 2018 Molise (Italy) sequence</i> Stefania Gentili, Piero Brondi, Monica Sukan, Giuliana Rossi, Giuseppe Petrillo, Jiancang Zhuang, Stefano Campanella</p>			<p>719 <i>HVSR analysis to detect gas reservoirs in a mud volcanic field in northern Italy</i> Albachiara Brindisi, Dario Albarello, Nicolò Carfagna, Enrico Paolucci</p>	<p>436 <i>Earthquake Declustering Using Supervised Machine Learning</i> Robert Scherbakov, Sidhanth Kothari</p>
14:30	<p>728 <i>Temporal dynamics of seismicity: A comparative analysis of Greece and Japan</i> Daniel Amorese, Despina Kementzetzidou</p>	<p>466 <i>Improved earthquake monitoring in the High Arctic by combining acoustic and seismological data</i> Marianna Anichini, Mathilde B. Sørensen, Espen Storheim, Hanne Sagen</p>	<p>709 <i>Moment-balanced earthquake rates in the central-northern Apennines Thrust Belt: effects of diachronic geologic fault slip rates</i> Roberto Basili, Francesco E. Maesano, Giovanni Toscani</p>	<p>775 <i>The role of fault-associated fractured rocks on the site amplification pattern in the INGV-GEMME project at the Introdacqua case- study, central Italy</i> Marta Pischiutta, Pamela Roselli, Marina Pastori, Arianna Lisi, Francesco Salvini, Salvatore Scudero, Stefano Speciale, Fernandi Linsalata, Giuseppe Di Giulio, Alessia Mercuri, Giovanna Cultrera, Fabrizio Cara, Rodolfo Puglia, Marco Massa</p>	<p>473 <i>Earthquake productivity law in epidemic type models: theoretical and empirical findings</i> George Molchan, Antonella Peresan, Elisa Varini</p>
14:45	<p>879 <i>Analysis of the spatiotemporal evolution of seismically active volumes during the 2016/2017 central Italy sequence through a machine learning – based approach</i> Ester Piegari, Paola Corrado, Marcus Herrmann, Warner Marzocchi</p>	<p>268 <i>Earthquake swarm September/October 2022 on Disko Island, West Greenland</i> Trine Dahl-Jensen, Peter H. Voss, Tine B. Larsen</p>	<p>766 <i>Crustal Heterogeneity along the Central Dead Sea Fault System: Evidence from Seismic Tomography</i> Mohamed Salah</p>	<p>333 <i>Monitoring site-response parameters of instabilities: what do relative seismic wave velocity variations reveal?</i> Xavier Borgeat, Mauro Haeusler, Franziska Glueer, Manuel Hobiger, Donat Faeh</p>	<p>605 <i>Clustering analysis of mining induced seismicity using Gutenberg-Richter's b-value and the modified Omori's law (MOL). A mining risk and re-entry protocol consequences</i> Rodrigo Estay Huidobro</p>
15:00	<p>296 <i>Investigation of the spatiotemporal variability of ground-motion during the 2016 Central Italy seismic sequences</i> Jafar Karashi, Mathieu Causse, Sreeram Reddy Kotha</p>	<p>318 <i>Characteristics of clustered seismicity at Hornsund, Spitsbergen and implications for regional neotectonics</i> Myrto Pirli, Johannes Schweitzer, Berit Paulsen</p>		<p>Invited 222 <i>Quantification of the seismic response of unstable slopes and its time variability</i> Donat Fäh, Mauro Häusler, Franziska Glueer, Xavier Borgeat</p>	



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TIME	KERKYRA BALLROOM	KERKYRA CORRIDOR HALL	LEFKAS-ZANTE HALL	PAXI-ITHAKA HALL	KROKIDIS HALL
15:15	<p>078 <i>Regional and global characteristics of observable foreshocks</i> Nadav Wetzler, Emily Brodsky, Esteban Chaves, Thomas Goebel, Thorne Lay</p>	<p>827 <i>The Hålsingland earthquakes: a puzzling case of intraplate seismicity</i> Björn Lund, Gunnar Eggertsson, Michael Roth, Peter Schmidt, Karin Högdahl, Colby Smith, Christian Öhrling, Stefan Luth, Peter Hedin, Stefan Bergman</p>			
15:30-17:00	<p>Session 24: Analysis of spatiotemporal evolution of seismicity using physical and statistical models, machine learning, and laboratory experiments (Part 4) Conveners: Stefania Gentili - Piero Brondi</p>	<p>Session 03: Seismological studies in polar regions and the cryosphere (Part 2) Conveners: Myrto Pirlis - Peter Voss</p>	<p>Session 12/20: Geodynamics and active faults in the Mediterranean Realm: Recent insights and innovations (Part 2) Conveners: Maria Filomena Loreto - Athanassios Ganas</p>	<p>Session 04: Passive and active seismological methods for imaging and monitoring of shallow geological structures (Part 4) Conveners: Manuel Hobiger - Stefano Parolai</p>	<p>Session 13: New data and methods for earthquake risk assessment: Statistical models and machine learning tools applied to ground and satellite data (Part 2) Conveners: Antonella Peresan - Elisa Varini</p>
15:30	<p>536 <i>Contribution of the deep borehole seismometer (2052m) at the Balmatt geothermal site on the induced seismicity characterization</i> Rachit Gautam, Jannes J. Kinscher, Jean Schmittbuhl, Matsen Brothoethers, Ben Laenen</p>	<p>Invited 317 <i>Enigmatic very long period monochromatic seismic signals ring the Earth for 9 days after rockfalls and tsunamis in a Greenland fjord</i> Aurelien Mordret, Kristian Svennevig, Stephen Hicks, Thomas Forbriger, Thomas Lecocq, Rudolf Widmer-Schmidrig, Anne Mangeney, Clément Hibert, Niels Korsgaard, Antoine Lucas, Claudio Satriano, Robert Anthony, Sven Schippkus, Soren Rysgaard, Wieter Boone, Steven J. Gibbons, Kristen Cook, Sylfest Glimsdal, Finn Løvholt, Koen Van Noten, Jelle Assink, Alexis Marboeuf, Anthony Lomax, Kris Vanneste, Taka'aki Taira, Matteo Spagnolo, Raphael De Plaen, Paula Koelemeijer, Carl Ebeling, The Dickson Fjord Working Group</p>	<p>Invited 403 <i>Poseidon Project: Hazards in the west Peloponnese - Ionian Islands Domain</i> Cesar Ranero, Paraskevi Nomikou, Maria Filomena Loreto, Irene Merino, Valentina Ferrante, Serafeim Poulos</p>	<p>321 <i>Comparison of different approaches to combine the ambient vibration and earthquake ground motion data for predicting local site amplification</i> Paulina Janusz, Francesco Panzera, Vincent Perron, Paolo Bergamo, Donat Fäh</p>	<p>499 <i>A systematic statistical analysis of the recent 2024, M7.5 Noto Peninsula (Japan) and M7.4 Hualien City (Taiwan) earthquakes</i> Vladimir Kossobokov, Anastasia Nekrasova</p>
15:45	<p>435 <i>A Stochastic Rate Model for Induced Seismicity</i> Robert Shcherbakov</p>	<p>639 <i>Seismic stations at Troll, Dronning Maud Land, Antarctica – Past and Future</i> Johannes Schweitzer, Nadège Langet</p>	<p>540 <i>Mapping the strike-slip Kefalonia fault to Hellenic frontal thrust transitional zone (western Hellenic Arc)</i> Maria Filomena Loreto, Valentina Ferrante, Andrea Argnani, Alessia Conti, Marco Cuffaro, Athanassios Ganas, Danaï Lampidou, Marco Ligi, Irene Merino, Filippo Muccini, Nikoli Elisavet, Camilla Palmiotto, Lorenzo Petracchini, Serafeim Poulos, Cesar R. Ranero, Stefania Romano, Paraskevi Nomikou</p>	<p>364 <i>Ground motion amplification functions based on a modified hybrid standard spectral ratio method (SSRh), applied to an area in the Basel region</i> Dario Chieppa, Afifa Imtiaz, Paulina Janusz, Anastasiia Shynkarenko, Donat Fäh</p>	<p>814 <i>Probabilistic seismic hazard assessment in the Corinth rift (central Greece) from incomplete earthquake catalogue segments</i> Ioanna Triantafyllou, Andrzej Kijko, Gerasimos Papadopoulos</p>
16:00	<p>701 <i>Supervised and unsupervised machine learning approaches for identifying the preparatory process of moderate earthquakes at The Geysers, California</i> Antonio Giovanni Iaccarino, Matteo Picozzi</p>			<p>832 <i>Nodal urban seismology for society</i> Koen Van Noten, Raphael De Plaen, Thomas Lecocq, Martin Zeckra</p>	<p>017 <i>Exploring the gravitational impact of Spring tides on earthquake occurrence in Central Asia</i> Anastasia Nekrasova, Aigul Danabaeva, Assel Katubayeva</p>



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TIME	KERKYRA BALLROOM	KERKYRA CORRIDOR HALL	LEFKAS-ZANTE HALL	PAXI-ITHAKA HALL	KROKIDIS HALL
16:15	<p>700 <i>Enhancing the passive monitoring of the rock damage process</i> Grazia De Landro, Tiziana Vanorio, Tianyang Guo</p>	<p>062 <i>Seasonal changes at shallow depths in Alaska using seismic and environmental data</i> Toshiro Tanimoto</p>	<p>563 <i>Identification of underwater geomorphological structures in the Ionian Sea associated with geohazards</i> Paraskevi Nomikou, Cesar R. Ranero, Maria Filomena Loreto, Danai Lampridou, Sotiria Kothri, Elisavet Nikoli, Irene Merino, Valentina Ferrante, Serafeim Poulos</p>	<p>227 <i>Development of high resolution site amplification map for the Sion area, Switzerland</i> Francesco Panzera, Paolo Bergamo, Paulina Agnieszka Janusz, Vincent Perron, Donat Fäh</p>	<p>260 <i>Water-Level and Stream-Flow Precursors to Earthquakes and their Mechanisms</i> Chi-Yu King</p>
16:30		<p>212 <i>Frost quakes and frost tremors: Seismic events, induced by extreme winter weather conditions in Northern Finland and associated hazard to urban infrastructure</i> Nikita Afonin, Elena Kozlovskaya, Jarkko Okkonen, Kari Moisio, Emma-Riikka Kokko</p>			
16:45		<p>233 <i>Seismic insights into the dynamic behavior of Sermeq Kujalleq in Kangia, Greenland's fastest outlet glacier</i> Janneke van Ginkel, Ana Nap, Josefine Umlauf, Fabian Walter, Adrien Wehrle, Martin Lüthi</p>			
17:00-18:00	Break & Poster Session IV				
18:00-19:30	ESC Council		GJI Authors Workshop <i>Royal Astronomical Society</i>		



Poster Session IV

Thursday, September 26, 2024 | 09:30-10:00 & 17:00-18:00

Session 03: Seismological studies in polar regions and the cryosphere

PP01	633 <i>Building a Demonstration Tsunami alert system in the Uummannaq Fjord</i> John Clinton , Frédéric Massin, Eva Mätzler, Jonas Petersen
PP02	625 <i>Preliminary report of analysis on Greenland earthquake catalog</i> Karkooti Ehsan, Trine Dahl-Jensen , Tine B. Larsen, Nicolai Rinds, Peter Voss
PP03	045 <i>Seismic monitoring of the Tien Shan High Mountain Glacier area</i> Natalya Mikhailova, Aidyn Mukambayev , Vitaly Morozov
PP04	075 <i>Seismic activity near Livingston and Snow Island, Antarctica from Bulgarian broad band seismic station LIVV</i> Gergana Georgieva , Liliya Dimitrova, Petar Sapundjiev, Dimitar Dimitrov
PP05	395 <i>The three decades evolution of the Antarctic Seismographic Argentinean Italian Network (ASAIN)</i> Milton Percy Plasencia Linares, Marco Santulin , Andrea Magrin, Denis Sandron, Marco Romanelli, Roberto Laterza
PP06	486 <i>Permanent and semi-permanent seismic stations of INGV in Antarctica</i> Simone Salimbeni , Adriano Cavaliere, Peter Danecsek, Stefania Danesi, Alberto Delladio, Diego Franceschi, Stefano Marino, Leonardo Martelli, Santi Mirena, Salvatore Mazza, Massimo Perfetti, Paolo Perfetti, Francesco Pongetti, Diego Sorrentino, Francesco Zanolin

Session 04: Passive and active seismological methods for imaging and monitoring of shallow geological structures

PP07	055 <i>Numerical and experimental transfer function estimation using earthquakes cross- and auto-power PSD</i> Gonzalo Alejandro Ramirez , Carlos Isidro Huerta, Adolfo Preciado, Leonardo Alcantara
PP08	106 <i>A 3D structural and geophysical model from seismic, seismological and gravity data to estimate local site response: the case study of the lower Sarca Valley, Italy</i> Luigi Sante Zampa , Ilaria Primofiore, Peter Klin, Francesco Palmieri, Carla Barnaba, Marco Garbin, Alfio Viganò, Stefano Parolai, Giovanna Laurenzano
PP09	201 <i>Seismic amplification of shallow alluvial deposits in the central Po Plain (northern Italy)</i> Gianlorenzo Franceschina , Alberto Tento
PP10	204 <i>A new approach to estimate Vs30 and depth to bedrock: a case study from the Oslo area (Norway)</i> Federica Ghione , Andreas Köhler, Anna Maria Dichiarante, Ingrid Aarnes, Volker Oye
PP11	216 <i>Geological and stratigraphic setting of the metropolitan area of Milan (Italy): implications for site-dependent seismic hazard assessment through high-resolution geophysical investigation</i> Sara Lovati , Marco Massa, Stefano Maraio, Rodolfo Puglia, Elisa Ferrari, Andrea Rizzo, Giulio Brunelli, Fabio Varchetta, Fabio Villani, Claudia Mascandola, Lucia Luzi
PP12	221 <i>Along-strike variation in the shallow velocity structure beneath the fault zone, constrained from new green methane source</i> Yunpeng Zhang , Wei Yang, Weitao Wang, Xiaona Ma, Shanhui Xu, Chunyu Liu
PP13	225 <i>Using distributed acoustic sensing to investigate the shallow subsurface exposed in paleoseismological trenches</i> Gian-Maria Bocchini , Anna M. Schulte, Marco P. Roth, Rebecca M. Harrington, Fabio Villani, Alessio Testa, Bruno Pace, Francesco Iezzi, Paolo Boncio
PP14	228 <i>Shallow subsurface imaging of the Mt. Marine splay fault system (central Italy) by high-resolution Vp tomography</i> Anna Maria Schulte , Gian Maria Bocchini, Marco Pascal Roth, Rebecca Maria Harrington, Fabio Villani, Alessio Testa, Bruno Pace, Francesco Iezzi, Paolo Boncio
PP15	250 <i>Imaging shallow subsurface voids using VSP and RVSP prismatic arrivals</i> Hila Navon , Moshe Reshsf
PP16	272 <i>Unearthing the dynamic of the Messina cathedral (Italy) through ambient noise measurements</i> Aimé Césaire Akilimali, Debora Presti, Cristina Totaro, Silva Scolaro, Domenica De Domenico, Francesco Panzera, Sebastiano D'Amico
PP17	316 <i>Ambient Noise Site Characterization in Paliki Peninsula, Kefalonia, Greece</i> Nikolaos Sakellariou , Mariano Garcia-Fernandez, Maria-Jose Jimenez, Vasiliki Kouskouna, Nikolas Galanos
PP18	336 <i>High-Resolution Seismic Imaging for the exploration of tectonic complexities: Insights from the Casino Basin, Tuscany, Italy</i> Giambattista Ravidà , Stefano Maraio, Gaudia Stella Aquilina, Paolo Marco De Martini, Paolo Conti, Filippo Muccini, Luca Maria Foresi, Ivan Martini, Enrico Tavarnelli, Lorenzo Milaneschi, Jacopo Maffei, Luca Zurlì, Senatro Izzo, Marco Fioraso, Allegra Burgassi, Valentina Corti, Matteo Perotti, Gianluca Cornamusini



PP19	338 <i>Shallow seismic profiling over ultra-mafic mantle rocks on Mt. Moncuni (Western Italian Alps)</i> Fabio Villani , Paola Baccheschi, Stefano Maraio, Andrea Antonioli
PP20	365 <i>A temporary seismic network to study the seismicity of Pantelleria Island</i> Lucia Nardone , Simona Carannante, Ezio D'Alema, Alessandro Di Filippo, Roberta Esposito, Danilo Galluzzo, Guido Gaudiosi, Francesco Liguoro, Roberto Manzo
PP21	423 <i>Approaching the sub-superficial crustal structure beneath the Mefite d'Ansanto area (Southern Apennines, Italy) by using teleseismic waveforms</i> Simona Morabito , Paola Cusano, Anna Gervasi, Girolamo Milano
PP22	478 <i>New insights on the Gargano Promontory (Southern Italy) structures from 3D Qa images</i> Salvatore Lucente , Salvatore de Lorenzo, Edoardo del Pezzo, Marilena Filippucci, Teresa Ninivaggi, Andrea Tallarico
PP23	485 <i>High attenuating crust in the High Agri Valley (Southern Italy) revealed by the coda attenuation method</i> Salvatore Lucente , Vincenzo Serlenga, Salvatore de Lorenzo, Edoardo Del Pezzo, Marilena Filippucci, Teresa Ninivaggi, Tony Alfredo Stabile, Andrea Tallarico
PP24	567 <i>Subsurface characterisation with three-component ambient noise beamforming: theory, codes, and applications</i> Katrin Löer , Claudia Finger, Heather Kennedy, Ebitimi Obiri
PP25	568 <i>Insights from Passive and Active Seismic Methods for Subsurface Characterization in Romania</i> Boqdan Grecu , Andreea Tolea, Dragos Tataru, Eduard Nastase, Alexandra Gereaa, Andrei E. Mihai, Bogdan Cerbu, Alexandru Tiganescu, Bogdan Zaharia, Dragos Toma-Danila, Adina Rau
PP26	669 <i>Passive seismic investigations of Quaternary river terraces in Northern Germany</i> Manuel Hobiger , Christine Thiel, Koen Van Noten, Martin Zeckra, Thomas Spies, Björn Goebel, Andreas Steinberg, Stefanie Donner
PP27	680 <i>HVSR analysis of nodal array seismic data acquired in the Fucino Basin (Central Italy)</i> Salomon Hailemikael , Maurizio Vassallo, Alessia Mercuri, Daniela Famiani, Giuseppe Di Giulio, Luigi Improta, Gaetano Riccio, Rocco Cogliano, Stefania Pucillo, Matteo Lupi, Giulio Brunelli, Alessio Lorenzetti, Giovanna Cultrera, Paola Baccheschi, Fabio Villani, Luisa Valoroso, Pasquale De Gori, Marco Massa, Sara Lovati
PP28	681 <i>Crustal structure of Terceira Island (Azores, Portugal): imaging of a volcanic island with a dense seismic network</i> Nuno Dias , João Fontiela, Graça Silveira, Luís Matias, Idalina Veludo, Mário Moreira
PP29	738 <i>3D Seismic crustal structure of south Portugal mainland from inversion of coupled active and passive source datasets</i> Osório Cavacundo , Nuno A Dias, Inês Rio, Luís Matias, Nicholas Rawlinson
PP30	744 <i>Passive seismic monitoring at the Pâclele Mici mud volcano in Romania: Preliminary results</i> Boqdan Grecu , Dragos Tataru, Natalia Poiata, Eduard Nastase, Alexandra Gereaa, Andrei E. Mihai, Bogdan Cerbu, Andreea Tolea
PP31	755 <i>An updated database of near-station high-frequency attenuation of strong motions (k_0) and its correlation with geology and V_s30 using a large set of weak and strong motion data from permanent and temporary networks in Greece</i> Chrisanthi Ventouzi , Charalampos Kkallas, Constantinos Papazachos, Nikolaos Chatzis
PP32	789 <i>Unraveling the Granada sedimentary basin reprocessing legacy seismic sections using machine learning algorithms</i> Flor De Lis Mancilla, Carlos José Araque-Pérez , Jose Angel López-Comino, Daniel Stich, Jose Morales, Teresa Teixido
PP33	817 <i>Seismic surveys along active faults of Etna volcano (Italy): Insights from noise and earthquake ground motions</i> Salomon Hailemikael , Daniela Famiani, Giuliano Milana, Giuseppina Tusa, Mario Paratore, Giulio Brunelli, Raffaele Azzaro

Session 12/20: Geodynamics and active faults in the Mediterranean Realm: Recent insights and innovations

PP34	063 <i>Seismogenesis in the Messina Straits area (Southern Italy) and the complex geodynamics and structural development of the Central Mediterranean</i> Tiziana Sgroi , Graziella Barberi, Luca Gasperini, Rob Govers, Nicolai Nijholt, Giuseppe Lo Mauro, Andrea Artoni, Luigi Torelli, Marco Ligi, Alina Polonia
PP35	234 <i>Seismotectonic implications and seismic hazard assessment in western Sicily (Italy): new results for the 1968 Belice seismic sequence</i> Carla Musumeci , Graziella Barberi, Giovanni Barreca, Luciano Scarfi, Giuseppina Tusa
PP36	503 <i>Structural and seismological expression of active tectonics at the edge of the Calabrian slab in the Gulf of Patti (Southern Tyrrhenian Sea)</i> Giuseppe Lo Mauro , Tiziana Sgroi, Graziella Barberi, Luca Gasperini, Ambra Mantovani, Alina Polonia
PP37	795 <i>Seismicity in the Sicily Channel</i> Matthew Aqius , Daniela Farrugia, Sebastiano D'Amico, Pauline Galea
PP38	826 <i>Tremor and LP event investigation on Etna volcano, comparing back azimuths from a rotational sensor and a small array</i> Nele I. K. Vesely , Eva P. S. Eibl, Gilda Currenti, Mariangela Sciotto, Giuseppe Di Grazia, Philippe Jousset
PP39	085 <i>Seismic attenuation of the greater alpine crust</i> Henrique Roisenberg , Fabio Cammarano, Lapo Boschi, Fabrizio Magrini, Irene Molinari



PP40	355 <i>Exploring seismic attenuation anomalies and fluid dynamics in the Southern Apennines–Calabrian Arc border region (Italy): insights from 3D tomographic investigations</i> Malik Adam Alddouma Adam , Cristina Totaro, Debora Presti
PP41	302 <i>Seismic Hazard Assessment of Aitolio-Akarnania Prefecture</i> Epameinondas Lyros , Konstantinos Nikolakopoulos, Efthimios Sokos, Afeiria Roumelioti
PP42	520 <i>Characterization of active faults in NW Albania for the assessment of their seismic hazard</i> Pio Di Manna , Luigi Piccardi, Eutizio Vittori, Anna Maria Blumetti, Valerio Comerchi, Daniele Spizzichino, Antonello D'Alessandro, Ismail Hoxha
PP43	858 <i>How precise determination of earthquake characteristics helps to locate active faults: multidisciplinary studies from central Europe (Pannonian Basin)</i> László Fodor, Eszter Békési, Barbara Czece, Gábor Csillag, Dániel Kalmár , Márta Kiszely, Kristóf Porkoláb, Bálint Süle, Anna Swierczewska, Antek Tokarski, Zoltán Wéber
PP44	210 <i>Implication of double-sided Adria subduction: Integration between tomography and analog models</i> Irene Menichelli , Claudio Chiarabba, Francesca Funicello
PP45	350 <i>New constraints for geodynamic and seismogenic processes in the Central Mediterranean: Lithospheric Model, Moho Topography, And Ionian Crustal Subduction Seismogenic Volume</i> Simona Bongiovanni , Antonino D'Alessandro, Raffaele Martorana, Attilio Sulli
PP46	531 <i>Moho and Lithosphere-Asthenosphere Boundary below the Tyrrhenian and Ionian basins (Central Mediterranean) from P and S receiver functions</i> Stephen Monna , Caterina Montuori, Francesco Frugoni, Claudia Piromallo, Mariagrazia De Caro, Alessandra Giuntini, Giuditta Marinaro, Andrea Argnani
PP47	546 <i>Active and detached Slabs in the Central Mediterranean imaged with Surface Wave Tomography</i> Felix Eckel , Amr El-Sharkawy, Graziella Barberi, Luciano Scarfi, Sergei Lebedev, Thomas Meier
PP48	411 <i>Using ShellSet to investigate the effect of horizontal surface temperature variation on the geodynamics of the Central Mediterranean</i> Jon May , Michele Carafa, Peter Bird

Session 13: New data and methods for earthquake risk assessment: Statistical models and machine learning tools applied to ground and satellite data

PP49	027 <i>Seismic landslide hazard assessment in Wenchuan earthquake area based on SCM-ANFIS model</i> Yuejun Lyu , Jie Wang, Chong Xu, Yu Li
PP50	422 <i>Machine-learning approach to derive a generalized model of sedimentary ground-motion amplification from InSAR subsidence rate</i> Valentin Schindelholz , Aya Cheaib, Emeline Maufroy, Cécile Cornou, Erwan Pathier
PP51	<i>Withdrawn</i>

Session 19: Surface-breaking earthquakes as a key tool in seismic hazard assessment

PP52	079 <i>Seismic regime of strong earthquakes in the Zhongaro-Borohora region</i> Aigul Danabayeva
PP53	080 <i>Seismicity and seismic regime at the territory of the east Kazakhstan</i> Assel Katubayeva
PP54	155 <i>Can geological maps predict the location of coseismic ruptures?</i> Maria Francesca Ferrario , Franz Livio, Leonello Serva
PP55	658 <i>A new Fault2SHA thematic laboratory: the Fault Displacement Hazard (FDH) Lab</i> Maria Francesca Ferrario , Paolo Boncio, Stéphane Baize
PP56	840 <i>Seismotectonic features in the active seismic zones of Southern Carpathians from the inversion of focal mechanisms of crustal earthquakes</i> Andrei Bala , Mircea Radulian, Mihaela Popa, Catalin Gheabla

Session 24: Analysis of spatiotemporal evolution of seismicity using physical and statistical models, machine learning, and laboratory experiments

PP57	740 <i>Utilizing statistical methods for improved earthquake detection and rapid notification in the Ionian islands, Greece</i> Parthena Paradisopoulou , Georgios Spyrou, Ioanna Karagianni
PP58	583 <i>Analysis of spatiotemporal variations of the magnitude of completeness for reliable estimation of the seismicity parameters at Kamchatka</i> Vasily Pavlenko
PP59	273 <i>Visibility graph analysis of seismicity: examples from various earthquake catalogues</i> Salvatore Scudero , Antonino D'Alessandro
PP60	346 <i>The sensitivity of different methods for estimating completeness magnitude and b-value</i>



	Anna Maria Lombardi, Licia Faenza, Emanuele Biondini, Rodolfo Console, Vincenzo Convertito, Cataldo Godano, Pasquale De Gori, Giuseppe Falcone, Alexander Garcia, Paolo Gasperini, Laura Gulia, Barbara Lolli, Francesco Pio Lucente, Caterina Montuori, Maura Murru, Laura Sandri, Ilaria Spassiani , Massimo Taroni, Anna Tramelli, Gianfranco Vannucci
PP61	415 <i>Power-Law Distribution in incomplete geophysical datasets: a Hero with a Thousand Faces</i> Matteo Taroni, Angela Stallone, Álvaro González, Ilaria Spassiani , Pietro Artale Harris
PP62	282 <i>Establishing new seismicity catalogs to capture the evolution of swarm sequences in the Gulf of Corinth, Greece</i> Philippe Danré , Olivier Lengliné, Nicolas Cosso-Hoedt, Louis De Barros
PP63	324 <i>Tracking the spatiotemporal evolution of the 2024 seismic activation of step-over structures offshore Kefalonia Island utilizing state-of-the-art deep learning approaches</i> Vasileios Anagnostou , Eleftheria Papadimitriou, Vassilios Karakostas, Torbjörn Bäck
PP64	816 <i>Using deep neural networks for short-term data-driven spatiotemporal earthquake forecasting</i> Foteini Dervisi , Margarita Segou, Brian Baptie, Ian Main, Andrew Curtis
PP65	670 <i>Analysis of spatiotemporal evolution of the 1982-2016 Aswan seismicity (south Egypt) using machine learning algorithms and FEM models</i> Serena Panebianco , Vincenzo Serlenga, Pietro Tizzani, Raffaele Castaldo, Luciano Telesca, Elshafey Raafat Fat-Helbary, Ezzat Mohamed El-Amin, Hamed Ahmed, Tony Alfredo Stabile
PP66	442 <i>Identification of Repeating Earthquakes in Sichuan-Yunnan region, China</i> Fei Deng , XiaoLiang Zhang, MingHui Hao
PP67	764 <i>Estimation of background stress changes based on the rate- and state-friction seismicity model and the space-time ETAS model</i> Takaki Iwata
PP68	607 <i>3D-model: Space-Time-Magnitude modelling of the seismic process of occurrences in the Azores Region</i> Cecilia Rodrigues, Carlos Oliveira
PP69	512 <i>Spatiotemporal variations of the Frequency-Magnitude distribution in the 2019 Mw 7.1 Ridgecrest (California) epicentral area</i> Eirini Sardeli , Georgios Michas, Kyriaki Pavlou, Filippos Vallianatos
PP70	153 <i>Statistical features of seismicity associated with large earthquakes on the Chinese continent between 2008 and 2019 based on newly detected catalogs</i> Lu Li , Baoshan Wang, Zhigang Peng, Jinxin Hou, Fang Wang
PP71	111 <i>Clustering and recurrence intervals of earthquakes: Selected cases and analyses</i> Davide Zaccagnino , Luciano Telesca, Carlo Doglioni
PP72	794 <i>Characterization of the February 2018 Seismic Swarm in São Miguel, Azores</i> Analdyne Soares , Susana Custódio, Simone Cesca, Rita Silva, Alessandro Vuan, Virgílio Mendes
PP73	361 <i>Temporal Variation of the Gutenberg-Richter b-value in the Campi Flegrei Volcanic Area, Italy</i> Maura Murru , Matteo Taroni, Giuseppe Falcone, Ilaria Spassiani, Ting Wang, Rodolfo Console, Jacopo Selva, Prospero De Martino
PP74	253 <i>Volcanic state classification based on seismic features</i> Pablo Rey-Devesa, Janire Prudencio , Joseph Carthy, Manuel Titos, Jesús M. Ibáñez, Carmen Benitez
PP75	309 <i>Phreatic eruptions modeled through the temporal evolution of seismic parameters</i> Verónica Martínez, Janire Prudencio , Gabriela Badi, Pablo Rey-Devesa, Sebastián García, Ligdamis Gutiérrez, Fabricio Carbajal, José Augusto Casas, Jesús M. Ibáñez
PP76	413 <i>Investigation of the 2021 Arkalochori foreshock swarm: new insights for instabilities through automatic data processing with a machine-learning model</i> Vasilis Kapetanidis, Georgios Michas, Andreas Karakonstantis , Filippos Vallianatos

Session 25: Preparatory processes of earthquakes, from laboratory experiments to large earthquakes

PP77	252 <i>Using old data to try to delineate patterns of possible anomalies occurring before some earthquakes</i> Maria Rosa Dugue
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Session 29: Episodic earthquake swarms and recurrent unrests: Multidisciplinary approaches

PP78	774 <i>Hypocenter relocations and b-value estimation for different seismic activity periods in Reykjanes peninsula, Iceland</i> Josef Vícek , Tomas Fischer
PP79	347 <i>Spectral Inversion for Analysis of Seismo-Activity at Reykjanes Peninsula Oblique Rift, Iceland</i> Diana Konrádová , Laura Cataldi, Valerio Poggi, Jan Burjánek
PP80	533 <i>Vp/Vs variations during the Fagradalsfjall volcanic activity derived from Seismic Swarm observations</i> Ali Masihi , Tomas Fischer
PP81	697 <i>Geodynamic and seismotectonic implications from recent strike-slip earthquake swarms and GPS-based geodetic analysis in Euboea, Phthiotis and Boeotia, central Greece</i> Sotiris Sboras , Evangelos Mouzakiotis, Konstantinos Chousianitis, Vassilios Karastathis, Christos Evangelidis, Ilias Lazos, Antonia Papageorgiou, Spyros Liakopoulos, Kyriaki Iordanidou



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TIME	KERKYRA BALLROOM	KERKYRA CORRIDOR HALL	LEFKAS-ZANTE HALL	PAXI-ITHAKA HALL	KROKIDIS HALL
08:30-09:30	<p>Session 33/42: Development and Operation of Earthquake Early Warning and Rapid Response systems (Part 1)</p> <p><u>Conveners:</u> Valerio Poggi - Maren Böse</p>	<p>Session 17/50: Earthquake Source Mechanics (Part 1)</p> <p><u>Conveners:</u> Simone Cesca - Jiří Zahradník</p>	<p>Session 21: Environmental monitoring for North Sea CO2 storage site development (Part 1)</p> <p><u>Conveners:</u> Pauline Kruiver - Florian Schmid</p>	<p>Session 35/36: Macroseismic intensity data: from historical investigation to the assessment of seismic parameters, hazard and risk (Part 1)</p> <p><u>Conveners:</u> Andrea Rovida - Gianfranco Vannucci</p>	<p>Session 34: Integrating Geodesy, Seismology and Tectonics to quantify strain accumulation and fault slip, before, during and after earthquakes (Part 1)</p> <p><u>Conveners:</u> Athanassios Ganas - Jean-Mathieu Nocquet</p>
8:30	<p>149 Smartphones enabled up to 58 seconds strong-shaking warning in the M7.8 Türkiye earthquake Francesco Finazzi, Rémy Bossu, Fabrice Cotton</p>	<p>572 Mode of fracturing detection in four granite rock samples assuming the anisotropy due to the loading František Staněk, Zuzana Jechumtálová, Matěj Petružálek, Petr Kolář, Tomáš Lokajčíek, Jan Šílený</p>	<p>558 SHARP project – using a multidisciplinary approach for assessing CO2 storage containment risks Tine B. Larsen, Elin Skurtveit, Steve Pearson, Tom Kettlely, Jung Chan Choi, Chen Huang, Brian Carlton, J. Michael Kendall, Michael Kupoluyi, Daniela Kühn, SHARP Team</p>	<p>525 The earthquake of 10 February 1871 in the Northern Upper Rhine Graben, Central Europe: re-evaluation of the main shock and its aftershocks Uwe Braumann, Diethelm Kaiser</p>	<p>022 The Mihoub Earthquake Mw 5.4 of 28/05/2016: Surface deformation from InSAR and Rupture Modelling Miloudi Sihem, Meghraoui Mustapha, Cetin Esra, Semmane F, Khelif Mohamed, Nozadkhalil T</p>
8:45	<p>255 Operational Earthquake Early Warning Across Central America John Clinton, Frederic Massin, Maren Böse, Billy Burgoa, Griselda Marroquin, Camilo Munoz, Benazir Orihuela, Marino Protti, Wilfried Strauch, Robin Yani</p>	<p>136 Micro-fracturing in granitic rocks during uniaxial loading: The role of grain size heterogeneity Zuzana Jechumtálová, Jan Šílený, Matěj Petružálek, Tomáš Lokajčíek, Petr Kolář</p>	<p>094 Stress field information from seismicity to de-risk large-scale CO2 injections in the North Sea Horda platform region Daniela Kühn, Anna Maria Dichiarante, Tom Kettlely, Evgeniia Martuganova, Joseph Asplet, Bettina Goertz-Allmann, Mark Felgett, John Hopper, Annie Jerkins, Johannes Schweitzer, Jung Chan Choi, Peter Voss, Brian Baptie, Nadège Langet, Tine Larsen</p>	<p>461 Re-evaluation of June 5, 1941 Eastern Slovakia earthquake Robert Kysel</p>	<p>696 InSAR imaging of post-seismic slip distribution along the seismic faults of the 2021 Northern Thessaly sequence, Greece Athanassios Ganas, Simone Atzori, Cristiano Tolomei, Michael Fomelias, Christian Bignami, Emmanouela Konstantakopoulou</p>
9:00	<p>287 From ShakeAlert to Post-Earthquake Assessment – Improving Situation Awareness of Building Managers and Occupants Mathias Franke, Brandon Parrott, Derek Skolnik</p>	<p>671 Using $\kappa 0$ estimation to improve microearthquakes source parameters assessment in the High Agri Valley (southern Italy) Serena Panebianco, Luca Moratto, Claudio Satriano, Enrico Priolo, Tony Alfredo Stabile</p>	<p>502 Improving the accuracy of earthquake magnitudes for North Sea seismicity Tom Kettlely, Peter Voss, Daniela Kühn, Brian Baptie, Evgeniia Martuganova, Johannes Schweitzer, Trine Dahl-Jensen, Annie Jerkins, Elin Skurtveit</p>	<p>647 A revision of the March 1952 Mt. Etna (Italy) seismic sequence: Seismotectonic interpretation and implications for local hazard assessment Raffaele Azzaro, Maria Serafina Barbano, Daniele Musumeci, Giuseppe Orefice</p>	<p>157 Comparison of pre- co- and post- seismic ground deformation of major seismic events in Greece. Similarities and differences Vassilis Sakkas</p>
9:15	<p>145 Advancing Chinese nationwide earthquake early warning system from demonstration to full-scale operation Chaoyong Peng, Qiang Ma</p>	<p>356 A comprehensive catalogue of earthquake focal mechanisms in SE Alps Angela Saraò, Monica Sukan, Andrea Magrin, FPS Working Group</p>	<p>281 How complete are our earthquake catalogues for the North Sea region? Brian Baptie</p>	<p>464 Re-Evaluation of the Earthquake Catalog for Spain Using the EMS-98 Scale for the Period 1900–1962 Javier Fernández-Fraile, Maurizio Mattesini, Elisa Buforn</p>	<p>322 Slip Complementarity and the Connection Between Afterslip and Aftershocks - Case Studies in Greece Pavlos Bonatis, Vassilios Karakostas, Eleftheria Papadimitriou, George Kaviris</p>
09:30-10:30	Break & Poster Session V				



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TIME	KERKYRA BALLROOM	KERKYRA CORRIDOR HALL	LEFKAS-ZANTE HALL	PAXI-ITHAKA HALL	KROKIDIS HALL
10:30-12:00	<p>Session 33/42: Development and Operation of Earthquake Early Warning and Rapid Response systems (Part 2)</p> <p><u>Conveners:</u> John Clinton - Simona Colombelli</p>	<p>Session 17/50: Earthquake Source Mechanics (Part 2)</p> <p><u>Conveners:</u> Gesa Petersen - Václav Vavryčuk</p>	<p>Session 21: Environmental monitoring for North Sea CO2 storage site development (Part 2)</p> <p><u>Conveners:</u> Peter Voss - Daniela Kühn</p>	<p>Session 35/36: Macroseismic intensity data: from historical investigation to the assessment of seismic parameters, hazard and risk (Part 2)</p> <p><u>Conveners:</u> Vera D'Amico - Andrea Rovida</p>	<p>Session 34: Integrating Geodesy, Seismology and Tectonics to quantify strain accumulation and fault slip, before, during and after earthquakes (Part 2)</p> <p><u>Conveners:</u> Athanassios Ganas - Vassilis Sakkas</p>
10:30	<p>098 <i>How did people react to the early warning during the M7.8 Kahramanmaraş-Pazarçik (Türkiye) earthquake?</i></p> <p>Remy Bossu, Francesco Finazzi, Laure Fallou</p>	<p>093 <i>Stress variations in southern Tonga slab derived from deep-focus earthquakes</i></p> <p>Pavla Hrubcová, Václav Vavryčuk</p>	<p>Invited</p> <p>465 <i>Baseline Monitoring of Seismicity to Prepare for Large-Scale CO2 Storage, Offshore Norway</i></p> <p>Zoya Zarifi, Andreas Köhler, Philip Ringrose, Volker Oye, Annie Jerkins, Roger Bakke, Lars Ottemöller, Steve Oates, Estelle Rebel, Hasbi Ash Shiddiqi, Vette Vinjie, Mathilde Böttger Sørensen, Matthieu Vinchon</p>	<p>344 <i>Impact of the uncertainty of intensity assessment on the macroseismic parameters of earthquakes in Italy</i></p> <p>Andrea Antonucci, Paolo Augliera, Andrea Rovida, Mario Locati</p> <p>624 <i>Analysis of source directivity in Central Italy using macroseismic data</i></p> <p>Giovanni Lanzano, Andrea Antonucci, Andrea Rovida, Sara Sgobba, Antonio Augusto Gomez-Capera, Vera D'Amico</p>	<p>Invited</p> <p>496 <i>Modeling Slow slip events on the Hikurangi subduction zone using Independent Component Analysis</i></p> <p>Sylvain Michel, Romain Jolivet, Emilie Klein</p>
10:45	<p>041 <i>Retrospective performance analysis of a shaking-forecast based early-warning method for the 2023 Türkiye-Syria mw 7.8 earthquake</i></p> <p>Raffaele Rea, Aldo Zollo, Simona Colombelli, Luca Elia</p>	<p>132 <i>Deep-focus earthquakes under Northeast China</i></p> <p>Junqing Liu, Jiri Zahradnik, Vladimir Plicka, Frantisek Gallovic</p>	<p>560 <i>Reevaluating seismic hazard and ground-motions for North Sea CO2 storage projects</i></p> <p>Chen Huang, Brian Carlton, Tom Kettlety, Tine B. Larsen, J. Michael Kendall, Elin Skurveit</p>	<p>708 <i>Insights the major historical L'Aquila earthquakes using physics-based numerical simulations</i></p> <p>Federica Di Michele, Donato Pera, Enrico Stagnini, Bruno Rubino, Pierangelo Marcati</p>	<p>159 <i>Bayesian inference of subduction processes from observations before and after the 2011 Tohoku earthquake</i></p> <p>Celine Marsman, Femke Vossepel, Mario D'Acquisto, Ylona van Dinther, Lukas van de Wiel, Rob Govers</p>
11:00	<p>784 <i>A decision-support system exploiting earthquake early warning and rapid loss estimation capabilities in Romania</i></p> <p>Dragos Toma-Danila, Alexandru Tiganescu, Alexandru Marmureanu, Niall Buckley, Koldo Urrutia-Azcona, Carmen Ortanza Cioflan, Bogdan Grecu, Alina Coman</p>	<p>267 <i>Effects of tectonic history of subduction upon deep-focus earthquakes: application to Pacific plate under Eastern Asia</i></p> <p>Hana Čížková, Craig Bina</p>	<p>570 <i>The role of ocean bottom seismometers for seismic monitoring in the Horda Platform, Norwegian North Sea</i></p> <p>Hasbi Shiddiqi, Lars Ottemöller, Zoya Zarifi, P. Martin Mai</p>	<p>820 <i>Historical earthquake impact database in Greece</i></p> <p>Ioanna Triantafyllou, Efthymios Lekkas</p>	<p>393 <i>Slow-slip events and earthquake swarms destabilize the upper-plate and trigger a large earthquake at the western Hellenic Subduction System</i></p> <p>Vasiliki Mouslopoulou, Vasso Saltogianni, Simone Cesca, Armin Dielforder, Gian Maria Bocchini, Jon Bedford, Michael Gianniou, Gesa Petersen, Onno Oncken</p>
11:15	<p>611 <i>An Overview of Earthquake and Tsunami Early Warning with Global Navigation Satellite System Data</i></p> <p>Brendan Crowell</p>	<p>312 <i>Estimation of source parameters in Vrancea, Romania, using Coda Calibration Tool (CCT)</i></p> <p>Raluca Dinescu, Kevin Mayeda, Mircea Radulian, Justin Barno, Jorge Roman-Nieves, Daniela Ghica, Constantin Ionescu</p>	<p>835 <i>Towards permanent seismological monitoring in the Dutch North Sea: Progress and early results</i></p> <p>Islam Fadel, Elmer Ruigrok, Stephen Akinremi, Mechita Schmidt-Aursch, Zeynep Erdem, Mark van der Meijde, Christine Thomas</p>	<p>632 <i>From intensity data to seismic risk assessment in the volcanic area of Mt. Etna</i></p> <p>Elisa Varini, Salvatore D'Amico, Fabrizio Meroni, Vera Pessina, Raffaele Azzaro, Marina Longoni</p>	<p>495 <i>Towards a full time dependent view of slip at faults using GNSS</i></p> <p>Jean-Mathieu Nocquet, Javier Ojeda</p>
11:30	<p>743 <i>Instalation of seismic alert system in production facility</i></p> <p>Igor Giorqiev, Marta Stojmanovska, Dragi Dojcinovski, Marija Vitanova</p>	<p>320 <i>Toward improving characterization of intermediate-depth earthquakes in the Western Aegean</i></p> <p>Vladimir Plicka, Lubica Valentova Kriskova, Frantisek Gallovic, Efthymios Sokos, Jiri Zahradnik</p>	<p>835 <i>Towards permanent seismological monitoring in the Dutch North Sea: Progress and early results</i></p> <p>Islam Fadel, Elmer Ruigrok, Stephen Akinremi, Mechita Schmidt-Aursch, Zeynep Erdem, Mark van der Meijde, Christine Thomas</p>	<p>632 <i>From intensity data to seismic risk assessment in the volcanic area of Mt. Etna</i></p> <p>Elisa Varini, Salvatore D'Amico, Fabrizio Meroni, Vera Pessina, Raffaele Azzaro, Marina Longoni</p>	<p>495 <i>Towards a full time dependent view of slip at faults using GNSS</i></p> <p>Jean-Mathieu Nocquet, Javier Ojeda</p>



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TIME	KERKYRA BALLROOM	KERKYRA CORRIDOR HALL	LEFKAS-ZANTE HALL	PAXI-ITHAKA HALL	KROKIDIS HALL
11:45		<p>440 <i>Seismogenic environment of moderate to strong earthquakes within the southeastern Sichuan region, China</i> Guixi Yi, Feng Long, Huizhen Qiao, Min Zhao, Huan Liu</p>	<p>096 <i>On the potential of offshore sensors and array processing for improving seismic event detection and locations in the North Sea</i> Annie Jerkins, Andreas Köhler, Volker Oye</p>	<p>889 <i>Earthquake risk assessment for the inventory of historical and cultural heritage assets in Istanbul</i> Karin Şeşetan, Eser Çaktı, Ufuk Hancılar</p>	<p>562 <i>Block Kinematics in Western Greece using geodetic data</i> Varvara Tsironi, Jean-Mathieu Nocquet, Athanassios Ganas, Efthimios Sokos, Ioannis Koukouvelas</p>
12:00-13:00	<p>Keynote Lecture 5 Chairperson: Adrien Oth</p> <p><i>Improving Estimates of stress drop in small earthquakes, and the constraints they provide on earthquake rupture processes</i> Rachel Abercrombie</p>				
13:00-14:00	Lunch Break				
14:00-15:15	<p>Session 33/42: Development and Operation of Earthquake Early Warning and Rapid Response systems (Part 3) Conveners: Valerio Poggi - Elisa Zuccolo</p>	<p>Session 17/50: Earthquake Source Mechanics (Part 3) Conveners: Efthimios Sokos - Pavla Hrubcová</p>		<p>Session 35/36: Macroseismic intensity data: from historical investigation to the assessment of seismic parameters, hazard and risk (Part 3) Conveners: Laura Gulia - Paolo Gasperini</p>	<p>Session 34: Integrating Geodesy, Seismology and Tectonics to quantify strain accumulation and fault slip, before, during and after earthquakes (Part 3) Conveners: Jean-Mathieu Nocquet - Vassilis Sakkas</p>
14:00	<p>235 <i>Towards enhanced seismic resilience: assessing the effectiveness of earthquake early warning in northeastern Italy</i> Fangqing Du, Elisa Zuccolo, Stefano Parolai, Matteo Picozzi</p>	<p>214 <i>Evaluating new ways to resolve MTs for small earthquakes (M1-3) in the large-N Swath-D network (Eastern Alps)</i> Gesa Petersen, Simone Cesca, Sebastian Heimann, Peter Niemz, Rens Hofman, Jörn Kummerow, Swath-D Working Group</p>		<p>732 <i>A decade of data: Updating the Hellenic Macroseismic Database for historical earthquakes</i> Georgios Goutsos, Georgios Sakkas, Nikolaos Sakellariou, Vasiliki Kouskouna</p>	<p>610 <i>A Cloud-Based GNSS Velocity and TEC Data Center: Initial Perspectives from Hazard Monitoring</i> Brendan Crowell, Tim Dittmann, Jensen DeGrande, David Mencin, Jessica Ghent</p>
14:15	<p>261 <i>A high frequency earthquake magnitude (m3Hz) for seismic hazard and rapid damage assessment</i> Stefano Parolai, Daniele Spallarossa, Adrien Oth, Matteo Picozzi</p>	<p>196 <i>Slow and fast earthquakes and earthquake modeling</i> Satoshi Ide</p>		<p>598 <i>Validating the use of EMSC testimonies for macroseismic field and shakemap assessment for strong events of the Aegean region</i> Michail Ravnalis, Costas Papazachos, Christos Papaioannou, Remy Bossu, Charalampos Kkallas, Christos P. Evangelidis, Petros Triantafyllidis, Kiriaki Konstantinidou</p>	<p>592 <i>Preliminary results of the TectoVision low-cost GNSS network in Greece</i> Jonathan Bedford, Konstantinos Chousianitis, Athanassios Ganas, Vasiliki Mouslopoulou, Efthimios Sokos, Zafeiria Roumelioti, Konstantinos Nikolakopoulos, Christoforos Pappas, Carsten Falck, Benjamin Männel, Cristian Garcia, Rebecca Harrington, Carlos Peña, Kaan Cökerim, Elvira Latypova, Stamatina Kanakaki, Marco P. Roth, Michail Gianniou, Paraskevi Io Ioannidi, Christos Pikridas, Ilias Lazos, Vassilis Sakkas, Jason Kounanis</p>



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TIME	KERKYRA BALLROOM	KERKYRA CORRIDOR HALL	LEFKAS-ZANTE HALL	PAXI-ITHAKA HALL	KROKIDIS HALL
14:30	<p>768 <i>Fourier-domain ground motion prediction model for rapid earthquake hazard scenario calculation</i> Laura Cataldi, Valerio Poggi, Stefano Parolai, Matteo Picozzi</p>	<p>215 <i>Anti-repeating earthquakes</i> Simone Cesca, Daniel Stich, Peter Niemz, Torsten Dahm, Satoshi Ide</p>		<p>501 <i>Collecting and analysing seismic effects on buildings using internet forms in the context of French insurance and global warming</i> Christophe Sira, Véronique Mendel</p>	<p>717 <i>Evaluating deformation obtained from GNSS stations and seismic activity over the Corinth Gulf region (part of the Enceladus Supersite)</i> Panagiotis Papadimitriou, Dimitris Anastasiou, Xanthos Papanikolaou, Spyros Lalechos, Maria Tsakiri</p>
14:45	<p>047 <i>A rapid response tool developed for and with civil protection practitioners in the French West Indies</i> Samuel Auclair, Didier Bertil, Caterina Negulescu, Yoann Legendre, Agathe Roullé</p>	<p>703 <i>Using 3D dynamic rupture simulations to probe the effects of source-station geometry and the presence of a fault-zone on spectral corner frequency</i> Meggy Rossbach, Nico Schliwa, Rebecca M Harrington, Alice-Agnes Gabriel, Elizabeth S. Cochran</p>			
15:00	<p>160 <i>Rapid needs assessment for informed disaster prevention, mitigation, and resilience: A multi-country effort</i> Radmila Salic Makreska, Igor Gjorgjiev, Julijana Bojadjeva, Goran Capragoski, Vlatko Sesov, Roberta Apostolska</p>				
15:15-15:45	Break & Poster Session V				
15:45-16:30	<p>Closing Plenary</p> <p>Closing Ceremony</p>				



Poster Session V

Friday, September 27, 2024 | 09:30-10:30 & 15:15-15:45

Session 17/50: Earthquake Source Mechanics

PP01	039 <i>Spatiotemporal faulting properties of the 2021 MS 6.4 Yangbi, China, earthquake sequence</i> Xu Zhang , Xiangyun Guo, Lihua Fang, Dahu Li, Lei Yi
PP02	808 <i>2023 ML 5.7 Southern Carpathians earthquake sequence: Insights from seismic observations</i> Felix Borleanu , Laura Petrescu, Lucia Fojtikova, Ioan Munteanu, Hanna Silvenoinen, Anca Otilia Placinta, Eugen Oros, Bogdan Enescu
PP03	628 <i>Source parameters, clustering and scaling properties for the moderate Vrancea (Romania) subcrustal earthquakes occurred during the last decade</i> Anica Otilia Placinta , Felix Borleanu, Laura Petrescu, Eugen Oros, Bogdan Enescu, Renata Lukešová, Lucia Fojtikova, Mircea Radulian
PP04	172 <i>Advancing seismic source zone modeling for Albania: Integrating moment tensor analysis and focal mechanism clustering</i> Edmond Dushi , Anila Xhahysa, Besian Rama, Migena Ceyhan
PP05	203 <i>Estimation of double-couple moment tensor and associated uncertainty using multiple approaches</i> Thomas Mancuso , Cristina Totaro, Barbara Orecchio
PP06	449 <i>Rupture directivity of small (M2.5-M4) Ridgecrest aftershocks</i> Shanna Chu , Annemarie Baltay, Rachel Abercrombie
PP07	541 <i>Evidence for inversely related rupture velocity and stress drop from Mw 3+ Campi Flegrei Caldera (Southern Italy) earthquakes</i> Aldo Zollo , Sahar Nazeri, Titouan Muzellec
PP08	341 <i>The Stress Drop of the Damaging Earthquakes in Central-Southern Apennines</i> Giovanina Calderoni , Rita Di Giovambattista
PP09	410 <i>Source characteristics of the Gargano Promontory (Southern Italy) derived from the Coda Calibration Tool (CCT)</i> Paola Morasca , Kevin Mayeda, Dino Bindi, Jorge Roman-Nieves
PP10	Withdrawn
PP11	468 <i>Seismic Zone Characterization and 1-D Velocity Model Development for Updated Romanian Earthquake Catalogue</i> Marius Mihai , Mircea Radulian, Andreea Craiu, Marius Craiu, Raluca Dinescu, Alexandru Marmureanu
PP12	161 <i>Refined coseismic deformation and source model of the 2022 Luding, China earthquake by Sentinel-1 InSAR data</i> Yongzhe Wang , Kun Chen, Xiaoming Xu, Weiwei Xu
PP13	401 <i>The massive landslide at the Çöpler Gold Mine in Erzincan, Turkey on February 13, 2024</i> Pinar Büyükkapınar , Angela Carrillo Ponce, Deniz Ertuncay, Hakan Tanyas, Ezgi Karasozen, Tolga Gorum

Session 21: Environmental monitoring for North Sea CO2 storage site development

PP14	026 <i>Planned seismic monitoring efforts in the framework of the German GEOSTOR project</i> Florian Schmid , Arne Schwenk, Christian Weidle, Gesa Kuhlmann, Klaus Wallmann
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