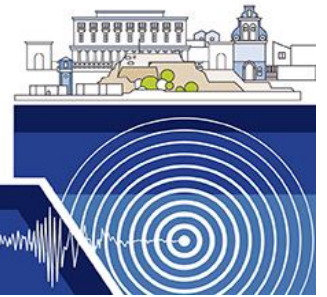


39th GENERAL ASSEMBLY OF THE EUROPEAN SEISMOLOGICAL COMMISSION

ESC2024

22-27 September 2024
CORFU, GREECE



Sessions

The programme of the ESC2024 will be consisted by the following Sessions:

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

Conveners: George Kaviris, Yuan Gao, Lucia Margheriti

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

Conveners: Antonella Peresan, Dimitar Ouzounov, Vladimir G. Kossobokov, Angelo De Santis, Gerassimos Papadopoulos, Sergey Pulinetz

Session 03 | Seismological studies in polar regions and the cryosphere

Conveners: Myrto Pirla, Peter Voss, Fabian Walter

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

Conveners: Francesco Panzera, Paolo Bergamo, Sebastiano D'Amico, Manuel Hobiger, Stefano Parolai, Fabio Villani

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

Conveners: Lorena Kuratle, Camille de Carolis, Chiara Scaini

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

Conveners: Aybige Akinci, Arben Pitarka, Domniki Asimaki, Chiara Smerzini, Morgan Moschetti

Session 07 | Multidisciplinary studies using solid Earth science data: Challenges and new perspectives

Conveners: Jan Michalek, Anastasia Kiratzi

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

Conveners: Eleftheria Papadimitriou, Alexey Zavyalov, Ramon Zuniga

Session 09 | Understanding strong earthquakes and episodic events

Conveners: Daya Shanker, Vasileios Karakostas, George Kaviris

Session 10 | Control on seismic and aseismic fault slip: Physical mechanisms at play, their interplay, and spatiotemporal evolution

Conveners: Gian Maria Bocchini, Carolina Giorgetti, Rebecca M. Harrington, Efthimios Sokos

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

Conveners: Susana Custódio, Lucia Luzi, John Clinton, Christos Evangelidis, Christian Haberland, Wayne Crawford, Carlo Cauzzi

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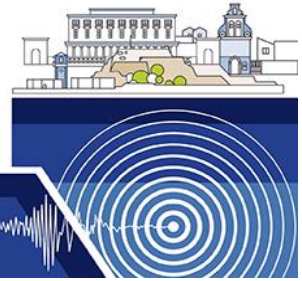
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Session 12 | Geodynamics of the Central Mediterranean: Recent insights and innovations
Conveners: **Matthew Agius, Fabio Cammarano, Andrea Cannata, Alexandra Moshou**

Session 13 | New data and methods for earthquake risk assessment: Statistical models and machine learning tools applied to ground and satellite data
Conveners: **Antonella Peresan, Elisa Varini, Ioanna Triantafyllou**

Session 14 | The link between fluids and fault slip: The state-of-the-art in observations, experiments, and models
Conveners: **Mauro Palo, Ortensia Amoroso, Carolina Giorgetti, Rebecca Harrington**

Session 15 | Advancements in methodology and diverse applications of single-station seismometry across multiple disciplines
Conveners: **Yawar Hussain, Helena Seivane, Salvatore Martino, Sebastiano D'Amico**

Session 16 | Seismic instrumentation – How precise is precise enough?
Conveners: **Peggy Hellweg, Thomas Bruns**

Session 17 | Physics of intermediate-depth and deep-focus earthquakes
Conveners: **Efthimios Sokos, Jiří Zahradník, Václav Vavryčuk, Pavla Hrubcová, Christos Evangelidis**

Session 18 | Characterization and mitigation of anthropogenic seismicity: Towards a sustainable green energy development
Conveners: **Grzegorz Kwiatek, Luisa Valoroso, Emmanuelle Klein, Vala Hjörleifsdóttir**

Session 19 | Surface-breaking earthquakes as a key tool in seismic hazard assessment
Conveners: **Francesca Ferrario, Stéphane Baize, Alessio Testa, Octavi Gómez Novell**

Session 20 | Active faults and their hazard in the Mediterranean Realm
Conveners: **M. Filomena Loreto, Paraskevi Nomikou, Athanassios Ganas, Serafeim Poulos, Cesar R. Ranero**

Session 21 | Environmental monitoring for North Sea CO₂ storage site development
Conveners: **Pauline Kruiver, Daniela Kühn, Peter Voss, Florian Schmid**

Session 22 | The International Macroseismic Scale of 2024 (IMS-2024) and related research and development
Conveners: **Vitor Silva, David Wald, Ayse Hortacsu**

Session 23 | New swing for old waveforms
Conveners: **Raphael De Plaen, Ryan Gallacher, Silvia Scolaro, Josep Batlló**

Session 24 | Analysis of spatiotemporal evolution of seismicity using physical and statistical models, machine learning, and laboratory experiments
Conveners: **Stefania Gentili, Álvaro González, Filippos Vallianatos, Piero Brondi**

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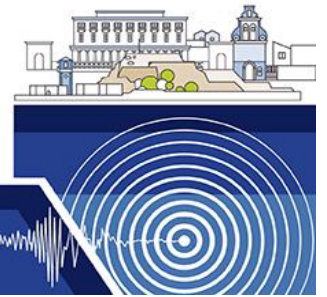


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Session 25 | Preparatory processes of earthquakes, from laboratory experiments to large earthquakes

Conveners: Antonio Giovanni Iaccarino, Matteo Picozzi, Daniele Spallarossa, Giuliana Rossi, Jorge Jara, Zahra Zali, Grzegorz Kwiatek

Session 26 | Advances in Archaeoseismology, techniques and field cases

Conveners: Klaus-G. Hinzen, Carla Bottari, Shmuel Marco, Mustapha Meghraoui, Arnaud Montabert, Sarah Roth

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

Conveners: Fatemeh Jalayer, Graeme Weatherill, Roberto Basili, Olga-Joan Ktenidou, António A. Correia, Radmila Salic Makreska, Laurentiu Danciu, and the EFEHR Consortium

Session 28 | Seismic interferometry and ambient noise: Theory, sources, imaging and monitoring

Conveners: Regina Maass, Charlotte Bruland, Sven Schippkus

Session 29 | Episodic earthquake swarms and recurrent unrests: Multidisciplinary approaches

Conveners: Pinar Büyükakpınar, Maria Mesimeri, Luigi Passarelli

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

Conveners: George Kaviris, Kris Pankow, Men-Andrin Meier, Valerie Sahakian, Thomas Meier

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

Conveners: Alexander Garcia, Beata Orlecka-Sikora, Olivier Lengliné, Harsh Gupta, EPOS Thematic Core Service Anthropogenic Hazards

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

Conveners: Bruno Pace, Maria Ortuno, Alessandro Valentini, Francesco Visini

Session 33 | Time matters: From early warning to rapid response for effective earthquake impact mitigation

Conveners: Elisa Zuccolo, Valerio Poggi

Session 34 | Integrating Geodesy, Seismology and Tectonics to quantify strain accumulation and fault slip, before, during and after earthquakes

Conveners: Athanassios Ganas, Jean-Mathieu Nocquet, Sigurjón Jónsson

Session 35 | Macroseismology from historical to instrumental seismicity

Conveners: Gianfranco Vannucci, Remy Bossu, Laura Gulia, Paolo Gasperini

Session 36 | Assessment and exploitation of macroseismic intensity data: From historical investigation to seismic hazard and risk applications

Conveners: Christa Hammerl, Vera D'Amico, Andrea Rovida

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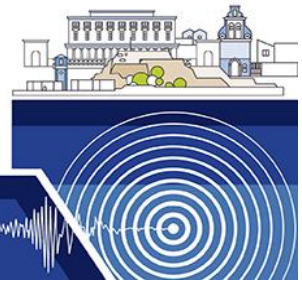
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Session 37 | Characterization of urban built environment for seismic risk reduction

Conveners: Bojana Petrovic, Chiara Scaini, Deniz Ertuncay, Maria Rosaria Gallipoli

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

Conveners: Samuel Bignardi, Giovanna Vessia, Chiara Faraone

Session 39 | The case of the Mw6.9 Al Haouz Earthquake - Seismogenic tectonics of an intraplate mountain range - Lessons learned so far

Conveners: Martin Zeckra, Lahcen EL Moudnib, Andrea Chiang, Abdelilah Tahayt, Afaf Amine, Sahar El Kasmi, Mustapha Boufflane, Tuna Onur, Kaoutar Bargach

Session 40 | Seismo-acoustic characterization of natural hazards and environmental processes

Conveners: Julien Barrière, Thomas Lecocq, Adrien Oth, Raphael De Plaen

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

Conveners: Natalia Poiata, Tom Garth, Sonja Gaviano

Session 42 | Earthquake Early Warning: Current status and progress towards operational systems

Conveners: John Clinton, Simona Colombelli, Maren Böse

Session 43 | Methodology issues in Archaeoseismology

Conveners: Laura Pecchioli, Andrea Arrighetti

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

Conveners: Simon Bufférol, Antonio Avallone, Panagiotis Elias, Alexandrine Gesret, Anna Serpetsidaki

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

Conveners: Olga-Joan Ktenidou, Katerina Orfanogiannaki, Efthimios Sokos

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

Conveners: Stefano Solarino, Giuliana D'Addezio, Remy Bossu, Elena Eva

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

Conveners: Rémy Bossu, Päivi Mäntyniemi, Hélène Hébert, Florian Haslinger

Session 48 | Recent Large and Devastating Earthquakes

Conveners: Dmitry A. Storchak, Johannes Schweitzer, Aysegul Askan

Session 49 | General Seismology

Conveners: Maria-Jose Jimenez, Nicholas Voulgaris, George Kaviris, Adrien Oth

Session 50 | Earthquake Source Mechanics

Conveners: Simone Cesca, Satoshi Ide, Daniela Kuehn, Gesa Petersen

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