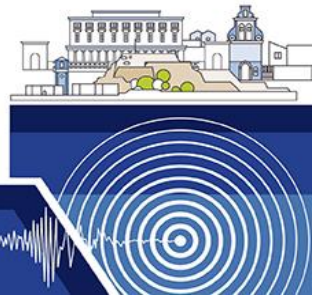


39th GENERAL ASSEMBLY OF THE EUROPEAN SEISMOLOGICAL COMMISSION

ESC2024

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CORFU, GREECE



Session 11

Seismological data workflows from seismic network management to novel data products

Conveners:

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In this session, we welcome contributions from the broad domain of observational seismology, with focus on seismological workflows rooted in the operations of permanent and temporary seismic networks and based on open and FAIR (Findable, Accessible, Interoperable, Redistributable) data distribution. The session aims at providing a discussion forum for network operators and experiment PIs, as well as of data users working on novel, advanced technologies for data collection, management and analysis. The topics of the session include: (a) modern seismic network management (local, regional, global) and operations from site selection to data archival and dissemination; (b) novel / exotic monitoring techniques: e.g., DAS and large-N experiments; joint seismological and GNSS deployments; environmental monitoring; gravity, infrasound, rotational monitoring; (c) challenges in the management and analysis of massive and exotic seismological datasets; (d) data services and products, from national / institutional developments to European coordinated activities within EPOS; (e) seismological experiments at the frontiers of seismological observations: e.g., marine seismology, polar seismology, international collaborations, multidisciplinary experiments; (f) novel strategies in data management, analysis and data product delivery, including development and testing of AI-based and fully automated workflows.

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