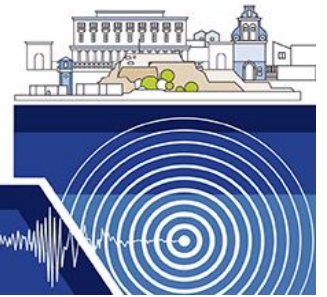


39th GENERAL ASSEMBLY OF THE EUROPEAN SEISMOLOGICAL COMMISSION

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CORFU, GREECE



Session 09

Understanding strong earthquakes and episodic events

Conveners:

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Strong earthquakes are natural geological phenomena characterized by the sudden release of energy in the Earth's crust, resulting in seismic waves that can cause significant ground shaking. These events are driven by the movement of tectonic plates beneath the Earth's surface. Understanding these events involve studying the underlying processes, monitoring systems, recent development in dynamics of earthquakes and other complex earth systems and preparing communities for potential impacts. However, episodic events can refer to various geological phenomena that occur over relatively short and distinct time periods. The focus of this session is on highlighting experiences in all aspects of the stress changes and stress field evolution, strong continental earthquakes, along with historical earthquakes and statistics, precursor search, observations, monitoring. We welcome contributions with current state of art research for predicting/forecasting earthquake occurrences and their patterns, searching for earthquake precursors (e.g. geophysical & geological, geochemical & geohydrological and electromagnetic etc.), and their real-time validation, but not limited to the topics of cross cutting across all broad seismological fields.

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