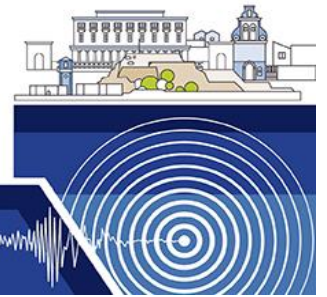


39th GENERAL ASSEMBLY OF THE EUROPEAN SEISMOLOGICAL COMMISSION

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CORFU, GREECE



Session 29

Episodic earthquake swarms and recurrent unrests: Multidisciplinary approaches

Conveners:

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This session is dedicated to exploring recent recurrent episodes of volcanic unrests and tectonic earthquake swarms in various regions, including but not limited to the Campi Flegrei caldera, Vogtland/Eger, Eifel volcanic fields, and Reykjanes multiple dike intrusions and eruptions. We welcome contributions that shed light on the characteristics, frequency, and duration of repeated episodes, aiming to unravel the underlying patterns, and driving mechanisms. Addressing persistent unknowns, such as the intricate relationship between faulting processes and fluids, is our primary focus. We further welcome contributions on the occurrence of deep low-frequency (DLF) events that illuminate the interaction between fluids and rocks. Our goal is to deepen our understanding of the underlying mechanisms driving these recurrent episodes and foster a fruitful discussion. We support interdisciplinary research integrating geophysics, geochemistry, geodesy, and seismology analyses to gain a more comprehensive understanding of individual unrest periods and their recurrence. To enhance hazard mitigation strategies, we endorse discussions on recent developments in monitoring and early warning systems.

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