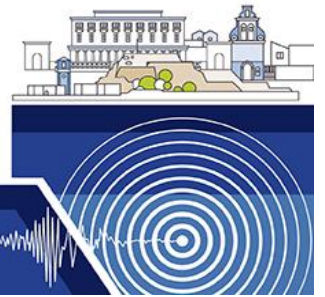


39th GENERAL ASSEMBLY OF THE EUROPEAN SEISMOLOGICAL COMMISSION

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CORFU, GREECE



Session 40

Seismo-acoustic characterization of natural hazards and environmental processes

Conveners:

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Seismological data and methods have proven their efficiency in the characterization of various natural hazards and surficial environmental processes. Over the past decade, the combined use of seismological and acoustic (infrasound) methods, if applicable, has gained increasing attention in the scientific community, with a variety of study cases showing its vast potential. This session aims at fostering the discussion on recent advancements in seismo-acoustic research with focus on natural hazards and environmental processes from local to regional/global scale. We seek contributions showcasing the breath of seismological and/or acoustic applications in their monitoring and study, with a particular emphasis on the cutting-edge developments in seismo-acoustic deployments, data processing and analysis (e.g., machine learning, ambient noise, DAS, etc.). Possible study cases include but are not limited to volcanic or glacial processes; surficial mass movements such as landslides, debris flows or rockfalls; or sediments transport in rivers. We also encourage submissions involving numerical modeling of seismic and acoustic signals in such settings for better understanding the role of sources and path/topography effects.

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