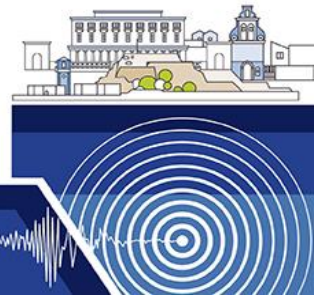


39th GENERAL ASSEMBLY OF THE EUROPEAN SEISMOLOGICAL COMMISSION

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CORFU, GREECE



Session 33 & 42

Development and Operation of Earthquake Early Warning and Rapid Response Systems

Conveners:

Valerio Poggi¹, Elisa Zuccolo¹, John Clinton², Simona Colombelli³, Maren Böse²

¹National Institute of Oceanography and Applied Geophysics (OGS), Italy

²Swiss Seismological Service, ETH Zurich, Zurich, Switzerland

³University of Naples Federico II, Naples, Italy

Effective mitigation of the effects of earthquakes requires the seamless integration of earthquake early warning systems (EEW) and rapid response initiatives (RRE). Despite global progress in EEW, there are delays in the deployment of systems in Europe, which hinders rapid response to seismic events. This session aims to accelerate the transition to operational EEW and RRE systems. The focus will be on innovative technologies, refined algorithms and comprehensive end-to-end solutions tailored to different seismic conditions. Discussions will address rapid data acquisition, agile modelling and real-time ground motion and damage scenario generation to minimise response time and provide stakeholders with informed decision-making capabilities. Contributions will address advances in monitoring networks, alert dissemination technologies and case studies showing successful implementations and cost-benefit analyses. In addition, strategies for on-site EEW and rapid damage assessment are explored to increase earthquake safety and efficiently mitigate the impact of earthquakes at the urban-scale

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