



Session 18

Towards operational forecasting of earthquakes and early warning capacity for more resilient societies

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To help mitigate the risks related to earthquakes, citizens need additional protection that goes beyond building codes and retrofitting actions. These include Earthquake Early Warning (EEW) approaches and operational earthquake forecasting (OEF), but also Rapid Response to Earthquake (RRE) systems. Besides scientific and technological advances, a focus must be on improved preparedness due to more effective two-way communication of forecasts, early warning and uncertainties for users and the public. In 2019, two new seismology and earthquake engineering related projects were awarded by the European Commission, RISE and TURNkey. In these two projects, more than 40 European institutions are collaborating on numerous aspects of improving real time seismology and its communication, and seismic risk reduction capacity. This session will give the opportunity to present and discuss first project results with the wider community. In addition, we welcome contributions on all aspects of improving earthquake resilience, including the scientific background, actual implementation scenarios and problems in communicating OEF, EEW and RRE results to stakeholders and public.