



# METIS SUMMER SCHOOL (PSHA)



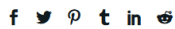
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The Global Earthquake Model (GEM) Foundation and Scuola Universitaria Superiore (IUSS) di Pavia – in the context of the METIS – jointly organized a summer school on probabilistic seismic hazard analysis (PSHA). The school, tailored to PhD and postdoctoral students, took place at the GEM premises in Pavia from June 20th and June 23rd, 2022. About twenty students from European (e.g., Croatia, France, Germany, Greece, Italy, North Macedonia, Portugal, Spain, United Kingdom) and overseas universities (e.g., Saudi Arabia, Canada) successfully attended the event.

The school focused on introducing the students to the main functionalities of the OpenQuake Engine (<https://www.globalquakemodel.org/openquake>), the open-source seismic hazard and risk calculation software developed by GEM, GEM's tools for building components of PSHA tools, to recent methods for time-history selection and calculation of PSHA accounting for the contribution of aftershocks. These topics are currently investigated within work packages 4 and 5 of the METIS projects. During training, the students had the chance to briefly visit one of the shaking tables operated by the Eucentre Foundation (<https://eucentre.it/>), the organization hosting the GEM Headquarters.

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