

The Central Apennines earthquake sequence under a new microscope, NSFGeo-NERC project kick-off meeting @ INGV, Rome, 29-31 January 2018

Date:

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On January 29 - 31, 2018, the NSFGeo-NERC project: “The Central Apennines earthquake sequence under a new microscope”, has officially organised its kick off meeting in Rome at the INGV headquarters.

The project (Nov. 2017 - Oct. 2020) is led by Research Organisation and Universities from the United Kingdom and United States, with the collaboration of the INGV researchers (Italy). From the UK there will be representatives of British Geological Survey and University of Edinburgh; United States Geological Survey, Stanford and Columbia University from US. Thus, the scientific team includes researchers and professors from worldwide leading universities and institutes and it will be supported by international initiatives such as EPOS and CSEP.

The NSFGeo-NERC project born after the destructive earthquakes occurred along the Central Apennines starting from August 2016, with the clear need to improve the understanding behind the evolution of such long lasting sequences and to develop tools that can support informed decision-making in the future.

The NSFGeo-NERC project will benefit from an extraordinary set of seismological data collected by INGV and BGS by deploying together more than 80 seismic stations in the epicentral area and recording the seismic activity for more than one year after the first mainshock. A comprehensive earthquake catalogue including precise locations, source parameters and focal mechanisms derived from algorithms that are able to detect, locate and characterize even the smallest events, will be created. The expected results of this research will provide crucial information for unravelling the physical processes that underlie sequences such as the extended 2016 Amatrice-Norcia-Visso earthquakes in Italy.

During the kick-off meeting, the lead Research Institutions teams (from INGV, BGS, Uni-Edi, Uni-Stanford, Uni-Columbia and USGS), after an overview of the earthquake sequence and the Geology of the Apennines, have presented the project overview, the goals and the future plans of the research.

More information about the project are available [here](#).

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