

An update on the INGV National Earthquake Center data products

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In recent years and with the acquisition of large amounts of digital data, it has become ever more important to be able to organize and curate the data, to quality check them and to qualify and index them to allow for prompt data discovery. Similarly, it is important that modern data centres besides providing access to the raw data, they provide services to the users to allow them easy interaction and data display.

The INGV National Earthquake Center (Centro Nazionale Terremoti, CNT) acquires seismic and GPS data and it contributes to the EPOS data and products activities and related projects (e.g. EUDAT2020). The CNT also hosts one of the ORFEUS-EIDA primary nodes. Because the center is involved in both operational service activities (seismological surveillance, tsunami alert), and in data and products provision to researchers and other stakeholders, it has developed simple procedures and products to provide immediate visualisation of data, DBs and other information available for a given area for e.g. rapid assessment after an important earthquake or to the sake of improving knowledge for a given area – the starting point for an interested researcher.

In this presentation, we will provide an update on the (web) services implemented by the CNT for event and seismic waveform access and the ongoing activities driven toward the realization of a modern data and products infrastructure.