

WP 20: Access to data and services for engineering seismology

An easier way to get hold of strong-motion records, macroseismic data and
seismogenic fault data

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Figure

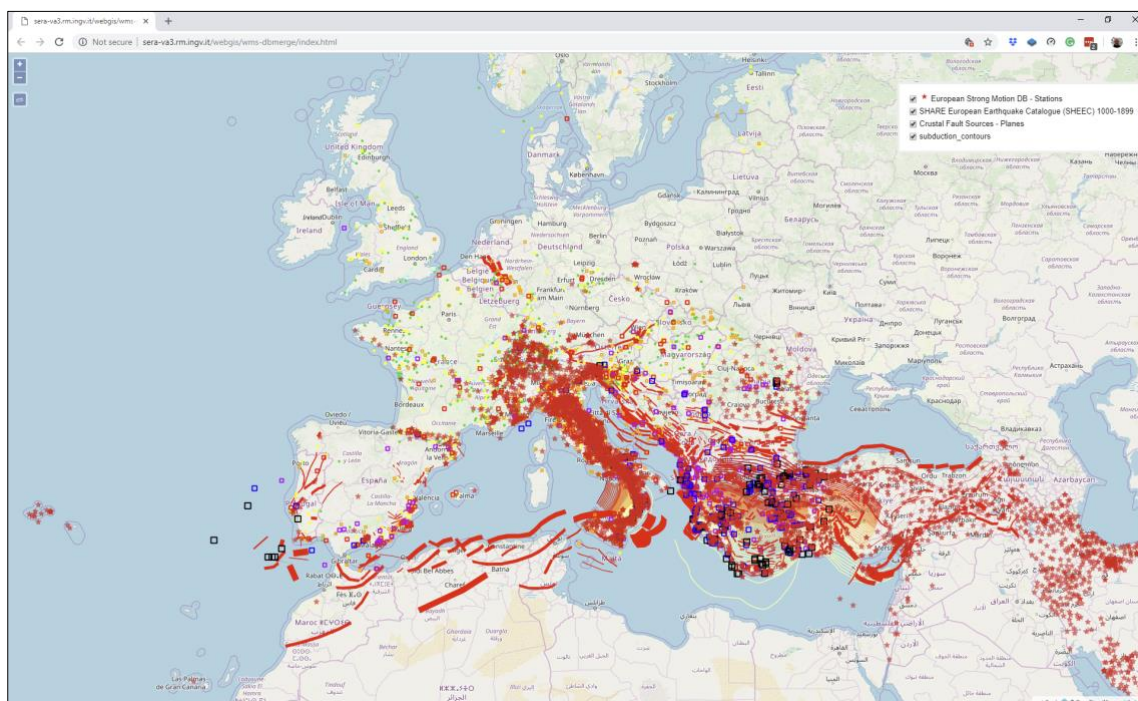


Figure 1. Map view of data provisioning through VA3: recording stations (ESM), historical earthquakes (AHEAD), and seismogenic sources (EDSF).

Main Results

A fundamental task for engineering seismologists is to access the information behind seismic hazard and risk models. In the past decades, the amount of open-access data has dramatically increased due to the advances in information technology and in the development of infrastructures to host data and promote their interoperability. As consequence, there is a significant improvement of dedicated thematic repositories and of tools that facilitate the user to access data and services.

SERA-VA3 aims to bring the data at the users' fingertips. It offers access to reliable and extensive data sets and services for the community of engineering seismologist as well as other specialists. They include the European Strong Motion Database (ESM), the European Archive of Historical Earthquake Data (AHEAD), and the European Database of Seismogenic Faults (EDSF).



A web portal works as a [unified access point](#) to data and services. This portal not only guides the visitors to the three original database portals, but it is also meant to provide an enhanced navigation through the data. The three services are technically compatible with the EPOS infrastructure and therefore ready to accommodate other types of data to serve a wider solid Earth user community, for example earthquake engineering.

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