



SA1: REMOTE ACCESS TO PARAMETRIC DATA AND EARTHQUAKE PRODUCTS

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This service activity operated by EMSC is one of the three European infrastructures (with ORFEUS and EFEHR) offering service provisions in seismology, earthquake hazard and risk. The NERA service activities SA1-3 serve to structure and coordinate the services provided by these three infrastructures to specific user groups.

EMSC provides access to real time earthquake information, parametric data and earthquake products, ensures coordination of seismological observatories practices at Euro-Med and global scales and serves various communities, academics, network operators and the public for both operational and research uses.

EMSC collates parametric data from seismological observatories to provide homogeneous earthquake information at Euro-Med and global scales. Thirty-five thousands earthquakes are located in near real time each year around the Globe. The Euro-Med multi-origins bulletin available since 1998 and often considered to be the definitive record of the seismicity for the region contains nearly 10M arrival times and links seismological observations and products (macroseismic maps, moment tensors, geo-located pictures etc) from the different seismological observatories.

Twenty-four-seven operational earthquake notifications have been diversified from geographical-alert-threshold and also include rapid -within a couple of minutes- detection of felt earthquakes and alert on impact assessed levels thanks to direct eyewitnesses' involvement. Traditional website (www.emsc-csem.org), website for mobile devices (m.emsc.eu), ftp, email notifications, browsers adds-on, social networks such as Twitter (@LastQuake), Facebook (www.facebook.com/EMSC.CSEM) offers various ways to broadcast information and ensures a large combined audience of 1.5 to million users a month from 200 countries.

Based on extensive data exchange, SA1 activities includes strong coordination with seismological observatories and global players such as ISC and NEIC/USGS as well as the definition of standard and policy on issues such as station coding system, nomenclature of seismic event type under the umbrella of the IASPEI.

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