



REAL TIME INFORMATION SERVICES FOR THE PUBLIC AND THE SCIENTIFIC COMMUNITY

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The EMSC has been publishing real time seismological information on its website (<http://www.emsc-csem.org/>) for several years. The number of earthquakes published as well as the number of web visitors have kept on increasing over the last years.

Due to the recent soar of mobile devices (smartphones and tablets) and of social networks (Facebook, Twitter, etc.), it was necessary for an organization such as the EMSC to diversify its communication media. Moreover, more than 35,000 earthquakes are published by the EMSC on its website each year whereas only a small proportion of them (500 to 1000) are of real interest for the public and/or the media because they have been widely felt or because they have caused damage. So important efforts have been carried out in order to automatically identify the significant earthquakes.

Today, the EMSC proposes the following services for significant earthquakes:

- A dedicated web page (http://www.emsc-csem.org/Earthquake/significant_earthquakes.php)
- A Twitter account: [@LastQuake](#)
- An *internet browser extension* (<http://www.emsc-csem.org/Earthquake/223/Browser-extension>) which proposes several features that allow the users to be immediately notified in case of a new significant earthquake.
- A prototype notification email and SMS service for EMSC Members and data contributors which gives quick heads-up on widely felt and/or potentially damaging earthquakes. The SMS notification is proposed for suspected damaging earthquakes detected via our EQIA tool (*Earthquake Qualitative Impact Assessment*).
- A Smartphone application (Android and iOS) for real time earthquake information is currently under development at the EMSC, with a focus on significant earthquakes and the rapid collection of eye-witnesses testimonies.

EMSC Members and data contributors are also eligible for a prototype notifications services for earthquake information. Unlike the classical Earthquake Notification Service, this email service is automatic and sends a notification as soon as the EMSC has recorded an earthquake, whatever its magnitude, in a given area.

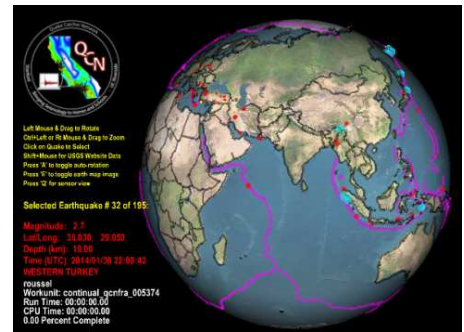
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In addition to these services, the QCN (*Quake Catcher Network*) server for the Euro-Med region has been implemented in January 2013 at the EMSC in collaboration with the University of Stanford, U.S. Since then, more than 120 sensors (USB or embedded in a laptop) send their data to our server. On December 2013, a M3.6 earthquake, near Patras, Greece, was recorded at a distance of 12 km. Our colleagues of University of Patras and Thessaloniki Observatory plan to install several tens of additional sensors in 2014. The BRGM, Orléans, France, will also implement several sensors in the French Antilles in 2014.



Finally, the EMSC is also present on Facebook, Google+ and Pinterest:

