

# SECOND EUROPEAN CONFERENCE ON EARTHQUAKE ENGINEERING AND SEISMOLOGY, ISTANBUL AUG. 25-29, 2014



## EDUCATIONAL SEISMICITY MAP FOR THE PUBLIC

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The Euro-Mediterranean Seismological Center (EMSC) has created in collaboration with the Fondation MAIF (a foundation created by a French insurance company) and The Secretary of the International Strategy for Disaster Reduction of the UN an educational seismicity map for the Euro-Med region.

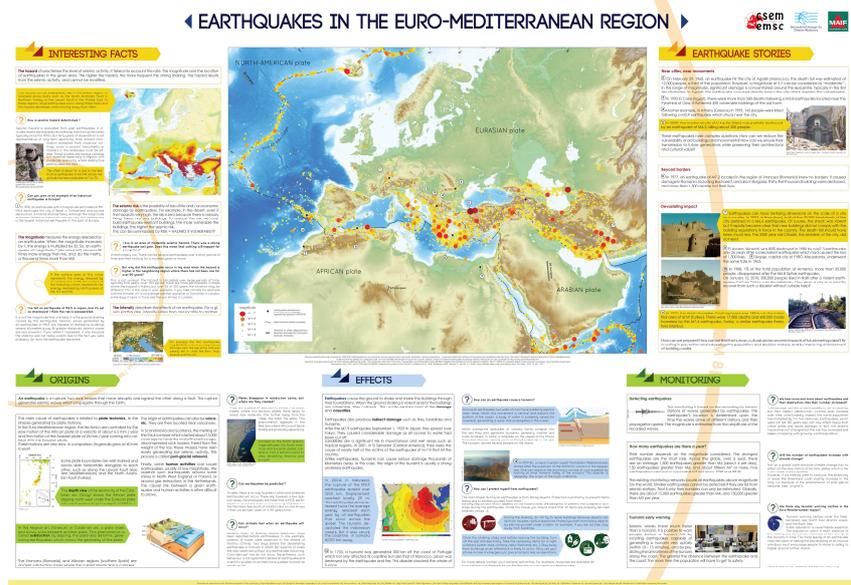
This map was developed for a wide audience of high schools students and the general public. It aims to present the regional seismicity in its tectonic context, and to provide information on the seismic hazard level. The objective is to provide practical information on earthquakes and their effects through representative examples from all countries from Iceland to Iran and Russia to Morocco.

This poster contributes to a better perception of the seismic risk in Europe, with examples of the significant events of the region (such as the L'Aquila earthquake, Bam or Izmit events) and the Sumatra tsunami of 2004 described in parallel with the Lisbon earthquake of 1755.

Specific terminology is explained, such as the difference between hazard and risk, the magnitude, the energy and the intensity of earthquakes. All the information provided can be used by the reader to understand the notion of hazard and the multiple consequences of seismic events, as well as to compare the seismicity in his country with that of other Euro-Med countries. The construction vulnerability is also explained through specific examples (such as Agadir).

The seismicity map on itself was obtained by using 13 years of information available in the Euro-Med Bulletin, which is one of the EMSC product based on data from 79 Euro-Mediterranean network operators.

Thanks to the Fondation MAIF, the EMSC was able to adapt a purely scientific product for the general public. The poster is freely available online at [citizenseismology.eu](http://citizenseismology.eu) in French and English. The EMSC is welcoming partners to prepare and distribute a similar educational map in other languages.



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