



Update of the European-Mediterranean Regional Centroid Moment Tensor (RCMT) Catalog

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The European-Mediterranean Regional Centroid Moment Tensor (RCMT) Catalog collects solutions routinely computed since 1997 for earthquakes with moderate magnitude ($4.5 \leq M \leq 5.5$) in the Mediterranean region. The database represents an extension to smaller magnitudes of the Harvard/Global CMT catalog, based on analysis of seismograms recorded at regional distance, and on modeling of intermediate-period surface waves. The Catalog is regularly updated until a few months behind real time, and published on *Phys. Earth Planet. Int.* and on the internet. Quick solutions, based on data available in quasi-real time, are generally published on the web one or a few hours after event occurrence. We further extended the catalog back in time for the Italian region, as far as availability of digital data allows – since 1977 – with the same analysis and inversion method used for current seismicity. The new dataset includes events in many seismic zones where moderate seismicity had previously been scarcely documented, e.g. the Po Plain and the Adriatic Sea. Seismicity in the Central Adriatic Sea holds special interest, as the region had often been depicted as aseismic.