

## Retrieving lost earthquakes 3.0

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The large-scale studies of historical seismology that were carried out in Italy (and Europe) from the 1980s onwards aimed at improving knowledge on earthquakes already listed in parametric catalogues, not at looking for earthquakes not included in them.

Nonetheless these studies required extensive investigation of historical records, which quite often did lead to the retrieval of information on previously unknown earthquakes. In 1992 some of us started to collect this evidence in a systematical way, e.g. by sifting through serial historical sources (diaries, newspapers etc.). Several thousand Italian earthquakes unknown to any seismological compilation or parametric catalogue were thus identified. Among them there are quite a few damaging earthquakes, and some that are the “key events” for evaluating seismic hazard at a local or regional level.

We present an update of the results reached so far by this kind of study in Italy, together with an hypothesis of medium-long term development of the same line of research both in Italy and in other European countries endowed with a significant historical record.