

AHEAD and SHEEC

two new online databases on European historical earthquakes

We are pleased to announce the publication on the web of two related databases:

AHEAD - the European Archive of Historical Earthquake Data 1000-1899

<http://www.emidius.eu/AHEAD/>

AHEAD is a distributed archive aiming at preserving, inventorying and making available data sources on the earthquake history of Europe, such as papers, reports, macroseismic data points (MDPs), parametric catalogues, etc.

AHEAD consists of independent regional archives and a collaborative inventory. At present, it mainly relies on eight regional, online macroseismic archives, which supply most of the data on the 4722 earthquakes dealt with. AHEAD is a dynamic archive and additional online archives or datasets can join AHEAD at any time. The inventory can be queried either by earthquake or by data source. Comments can be inserted through the home page and new material not yet considered can be submitted.

SHEEC - the Share European Earthquake Catalogue 1000-1899

<http://www.emidius.eu/SHEEC/>

SHEEC 1000-1899, the SHARE European Earthquake Catalogue is a parametric catalogue of European historical earthquakes.

SHEEC builds on the current version of AHEAD, which supplied both the list of earthquakes, obtained after sorting duplications out and eliminating fake events, and the most updated historical datasets.

SHEEC earthquake parameters have been obtained by:

- a. processing the available macroseismic data points (MDPs) with updated, repeatable procedures, regionally calibrated against a set of instrumental earthquakes;
- b. re-assessing M_w from the most updated regional parametric catalogues;
- c. selecting the most reliable epicentral location between a) and b) and assessing a final M_w value as a weighted mean of a) and b).

The details of the catalogue compilation are published in Stucchi et al. (2012), doi: 10.1007/s10950-012-9335-2.

The two databases have been compiled in the framework of the European Commission Projects NERIES - NA4 module (2006-2010), and SHARE - Task 3.1 (2009-2012) under the co-ordination of INGV Milano, and involving a number of European researchers and institutions.

Warmly thanking again all the co-authors and contributors, we look forward to receiving your comments and feedback.

With our best wishes,

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