



The European Tsunami Catalogue

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Tsunami catalogues are indispensable means to assess the tsunami potential of a given region and to evaluate vulnerability and risk exposure of coastal areas and environments.

The first catalogue of the European tsunamis was built in the frame of the EU Projects called GITEC and GITEC-TWO. The catalogue was the result of the work of various European research groups co-operating in the projects and was delivered in 1998. It was not built by simply gathering and putting together the available national catalogues, but it was the result of efforts aimed at establishing a standard format and structure for the data base and at applying uniform criteria to evaluate the informational sources and to parameterise the data. It was implemented as a FoxPro 2.5 data base now obsolete for the current operative system in use. For this reason, the data base was totally rebuilt within the Visual FoxPro 6.0 DBMS environment preserving the general structure of the previous data base. One of the main characteristics of this catalogue is that, being a digital database, it is flexible to a continual process of modification and updating.

In this work we present the data base that is enriched by including new tsunami entries, as the result of the revision of historical sources, by adding graphical data, such as digitised tide-gauge records, photos, relevant maps, etc. Moreover, the auxiliary data base of the references has been updated by introducing all the contributions that have been published in the last years, such as papers and scientific studies. At present, the database contains about 250 tsunami events occurred in Italy, Portugal, Greece, Spain, United Kingdom, Turkey, Black Sea and Norway and the North Sea.

The catalogue is accessible through a main screen containing functional buttons to

perform the basic inquiry and browser actions, and parametric and textual data concerning a specific event, that can be selected by the user.