



A new catalogue of landslides and floods events with human consequences in Italy

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We have updated the catalogue of historical landslides and floods with human consequences in Italy between AD 589 and 2007. The catalogue was updated from a variety of bibliographical and archive sources, including the national catalogue of landslide and flood events in Italy (<http://sici.irpi.cnr.it>), and four regional catalogues of historical landslide and flood events. Analysis of the updated catalogue indicates that more than 56,978 people died, went missing, or were injured in 2,987 landslide and flood events. Harmful events have occurred in all geographic regions in Italy. Of the 8,103 Italian municipalities, 1361 (16.0%) suffered floods and 1582 (19.5%) suffered landslides. Revision of the catalogue resulted in the addition of 1020 new records. Of the added records, 300 occurred before 1900, and 166 between 2000 and 2007. In the added records, the number of deaths varies from 1 to 700. Of the new records, 147 (7%) were events that resulted in single fatalities (36 of which before 1900), 67 were events that caused two to five deaths (35 of which before 1900), and 10 events caused more than five fatalities (6 of which before 1900). In the added records, the proportion of events with one or two fatalities is large. For very high intensity events (>100 fatalities), only four events were added to the catalogue. The geographic distribution of the events depends on the source of the information. Of the 1020 added records, 547 (53%) were obtained from the analysis of the available regional catalogues.