

Cyclones producing floods in Italy in the second half of twenty century

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Introduction

In this study the link between cyclones and floods in North and South Italy is explored. The analysis considers the winter and summer season of the second half of the 20th century. Data for the analysis of the cyclones are provided by the ERA-40 (ECMWF Re-Analysis) dataset. Data for the analysis of floods are provided by SICI (Sistema informativo sulle catastrofi idrogeologiche) produced by AVI (Aree Vulnerate Italiane) project and hosted by CNR (http://sicimaps.irpi.cnr.it/). This analysis does not account for any "preconditioning" due to previous meteorological events in the areas selected.

