



Orfeus: European digital waveform data services going distributed

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In order to improve and extend access to high-quality (broadband) waveform data from European and Mediterranean stations ORFEUS is currently implementing a distributed data archive for continuous broadband waveform data. This is a collaborative effort of four major European data centers: the ODC/KNMI, GEOFON/GFZ, Med-Net/INGV and Geoscope/IPGP within the ORFEUS framework. Data access will be realized through a common Web portal. This consortium of data centers will also offer coordinated backup facilities for European-Mediterranean digital waveform data. The Virtual European Broadband Seismic Network (VEBSN) continues to grow rapidly. It provides the basic infrastructure for (near) realtime waveform data exchange in the European-Mediterranean area and involves currently (December 2004) 37 observatories contributing with more than 120 stations. Both continuous and event data is directly available. We will present the new technological developments involved and current discussions on how to facilitate data access and data mining. Also included is the presentation of the new ORFEUS web pages.