

# **QUAKE EXPLORER: A USER-FRIENDLY JAVA BROWSER FOR OBSERVATIONAL SEISMOLOGY ON THE INTERNET**

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The increasing amount of near-real-time and archived seismic data available from monitoring networks and data centres, combined with powerful and efficient Internet tools, creates a dynamic, interactive and accessible work environment for seismology. This Internet-based environment can greatly facilitate the observation and dissemination of earthquake information for research, monitoring, hazard response, teaching and public information. In this talk we present QuakeExplorer, a platform-independent Java browser for observational seismology that fully exploits this Internet environment.

QuakeExplorer is designed to improve the ease, speed and flexibility of obtaining, analysing and distributing seismological data. It is an easy, rapid, interactive interface for browsing, selection, visualisation and analysis of seismic event information and digital seismograms residing on remote web sites. It does not require the user to handle tasks such as data requesting, downloading, format conversion and management, or installation and support of multiple, specialized software packages. QuakeExplorer makes comprehensive seismological observation easily available to a large audience of professionals, schools and the public.

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