

## A waveform display system based on SeisComP3, for efficiently browsing the seismic data of several different networks

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One of the fundamental tasks in seismological research is to systematically view and evaluate a large quantity of seismic records. Firstly the data quality must be checked and then the records can be searched for interesting phenomena, which can become targets for future scientific research.

We have developed a website, which summarizes the seismological data obtained by several different networks, including those of local sizes and a semi-global size. It allows users to efficiently browse through the entire record. The waveform archive system is based on SeisComP3 (<http://www.seiscomp3.org>) and the data are archived in SEED format ([www.iris.edu/manuals/SEEDManual\\_V2.4.pdf](http://www.iris.edu/manuals/SEEDManual_V2.4.pdf)).

Currently the website consists of three major parts; a station description page, an earthquake catalogue page, which is linked to an interactive earthquake waveform viewer, and a page to align and enlarge pre-constructed image files of waveform data, plotted in several different ways.

In this presentation we will first show how this website can be used and then we will present some applications. Finally, we will discuss how the website can develop further to reach its full potential.

Keywords: SEED, SeisComP3, Earthquake monitoring system