FDSN Minutes
Working Group V
Portable Instrumentation

Perugia, Italy
July 2007

Working Group V Meetings to date:

◼IASPEI, Santiago, 2005

◼EGU, Vienna, 2006

◼IUGG, Perugia, 2007

Working Group V is the newest of the working groups of the FDSN. The focus thus far has been to obtain a consensus on the areas of interest and where this group can make a contribution to the community. Ten institutions were represented at the meeting in Perugia.

WG V Areas of interest:

◼Promote the use of uniform data archive formats and access methods;

◼Promote open access to data after "exclusive use period" ;

◼Promote cooperation among Principal Investigators;

◼Maintain inventory of available equipment;

◼Maintain archive of metadata; and

◼ Maintain lists of future experiments.

Demonstration Project:

In order to promote more cooperation among PIs and to promote the use of portable data a small demonstration project was proposed. The project goal is to develop an application that can track information related to the status of portable experiments and their data. Experiments would be plotted on a map with future experiments plotted as a bounding box and then as more information becomes available stations would be plotted as actual latitudes and longitudes.   Clicking on station symbols will bring up information on the experiment and the status of the data availability information on how to access it.

Any tool developed will be designed to work with both temporary and permanent stations.

The initial demonstration project will be developed for handling future experiments. The application will be simple to implement so that each facility will be responsible for creating the map of its experiments. The maps will be created so that they can be displayed individually or combined as layers to display all of the experiments.

The demonstration system will be:

        MySQL based;

        Output .xls, text and XML versions;

        First prototype with EXCEL;

        Utilize Google Earth for display; and

        Demonstrated at next FDSN meeting.

Future Posibilities:

- Establish links to OBS Instrumentation pools;

- Share experience with "best practice" for field methods; and

- Encourage links with Active Source community.