

FDSN Working group I Station Siting and Instrumentation

July 22, 2013 12:00-13:30

Room R22/23 of Swedish Exhibition & Congress Centre, Gothenburg, Sweden

Attendants: Kent Anderson (IRIS), Torild van Eck (ORFEUS), Florian Haslinger (SED/ETH), Mark Chadwick (GNS Science, NZ), Joachim Saul (GFZ/GEOFON), Chad Trabant (IRIS), Klaris Stammler (BGR), Reinoud Sleeman (ORFEUS), Bruce Beaudoin (PASSCAL), Tim Ahern (IRIS), Alessia Maggi (GEOSCOPE), Helle Pedessen (RESIF), Goran Elstrom (Lammont/ Columbia Univ.), Michelle Grobbelaar (Council for Geoscience), Elena Kozlovskggii (NFSN/Finland), Masaki Kanao (NIPR), Mihaela Popa (NIEP), Damiano Pesaresi (OGS), Pete Davis (UCSD), Angelo Strollo (GFZ/GEOFON), Seiji Tsuboi (JAMSTEC)

(1) Updates of FDSN station inventory

It was reported that quite a few members have sent their updates for station inventory to the chairperson but also it was found that the idea of regional coordinator did not work as expected since there are some regions, where there were no updates. It also was reported that there was a case that the CSV file created from station XML was not compatible with the current format of inventory. During the updates, it was found that the open and close date might not be correct due to the inherent problem of Excel program and needed to validate carefully. To keep the historical information in the inventory, it may be better to convert current inventory spread sheet to station XML at some point. To do that it may be appropriate to create inventory database in the FDSN archive and try to set up the procedure how it should be updated by the network operator.

(2) FDSN backbone network

Definition of the backbone network was discussed. It was generally accepted that no major modification should be made to the definition. Although the current definition states that the number of backbone stations should be around 250, it was reported that it is 168 at this moment. It was agreed that the number of backbone stations should be increased and the proposal for nomination of backbone stations should be submitted to the WG-1 mailing-list. To increase the number of backbone stations, it was accepted that geographical location, availability of data, and quality of data should be considered.

(3) Reports from regional networks

Kent Anderson reported on the status of GSN program and continuation of the GLISN program. He has shown that the data from GLISN stations are handled as "virtual network" at IRIS DMC.

He also reported that IRIS held a workshop in May related to establish a global Array of broadband seismic arrays. IRIS encourages FDSN participation to future workshops for the global Array of broadband arrays.