

Minutes of FDSN WG-I meeting, Mt. Fuji, January 21, 2001, 20:15 - 21:30

Attendance: Ahern, Butler, Giardini, Dayre, Dost, Firbas, Hanka, Haslinger, Roul, Tsuboi

Approved agenda

1. Siting problems
 2. Inventory developments
 3. FDSN network
 4. Technical news
 5. Japanese BB stations in the Pacific & FDSN
 6. Specifications for island stations
 7. Tasks of WG-I
 8. Miscellaneous
1. Butler pointed out, that IRIS GSN - as most other networks - has more or less finished its task. Substantial "holes" in the global coverage can still be seen in ocean areas (possible sites: Marion Isl., Clipperton Isl., Bouvet Isl., Macquarie Isl., Trinidad Isl.), Central Siberia, Northern Africa, Congo, NE Brazil, India, NE Canada, Antarctica (between coast and South pole) and encourage other networks to try to fill these gaps. Giardini offers contacts and logistical support for a possible station in Southern Libya. Canada is encouraged to re-open Mould Bay. India has a national BB network. It should be invited to become member of FDSN. Hanka suggested trying to fill the holes also with long-term deployments of mobile equipment. E.g. Islands and OBS sites on shipping routes to Antarctica could be re-equipped from time to time.
 2. Hanka suggested to substantially upgrade the existing FDSN station inventory. Present version e.g. lacks precise information on instrumentation, communication means, data accessibility (in time and location). It is suggested to regionalize the inventory in cases where this is possible (e.g. EuroMed area by ORFEUS), to create links to the FDSN station book and to upgrade this by the missing information. Ahern promises to provide a new web form for input of improved station information.
 3. Hanka initiated a discussion on the usefulness of the FDSN network definition after FDSN CD-ROMs are not produced anymore. Ahern pointed out that the DMC will in future produce FDSN FARM volumes and that a station selection is still necessary. Under these constraints a continuation of the FDSN network idea is accepted by the WG. New FDSN stations: Vorkuta (Russia), PALK (Sri Lanka), KAPI (Indonesia), MIDY (Pacific), TRQA (Argentina), (Ecuador), SALV (Cape Verde Isl.). Stations removed: BOCO (Columbia), TBT (Canary Isl.), ABUS (Egypt).
 4. Hanka reported about a new technical concept in GEOFON. Earth Data PS2400 digitizers will in future replace the Quanterras, wherever that makes sense. SeisComp station processors will be installed at most GEOFON stations to provide increased communication means. Butler stated that the Guralp CMG-3T/B performs very well as borehole sensor.
 5. Butler stated that Japan is installing many BB stations in the East Pacific area

in several different projects. It is hard to keep track of all details. All stations should be listed in the FDSN inventory and open data access secured. The WG supports this statement.

6. Butler pointed out, that as Island sites are very noisy in the "normal" VBB frequency band, it is very important to record higher frequencies ($\gg 20$ sps) where most useful signals appear.
7. Hanka initiated a discussion on the task of WG-I. It was earlier merged with a former "WG-II on instrumentation". But since that additional task was not very much promoted by the former chairman, the question arose, if that should change in future. After some discussions, the following tasks are re-defined for WG-I:

Encourage improved siting

Maintenance of a (improved) station inventory

Definition of an FDSN network

VBB technical issues
