FDSN WG1 Station siting and instrumentation
July 1, 2011 18 : 10-20 : 10
Melbourne Convention Center Room209, Melbourne, Australia
Attendants:
Tim Ahern (IRIS), Kent Anderson (IRIS), Tim Barton (GA), Rick Benson (IRIS), Craig Bugden (GA), Mark Chadwick (GNS, NZ), John Clinton (ETHZ), Berbard Dost (KNMI), Torild van Eck (ORFEUS), Michelle Grobbelaar (CG, S. Africa), Matthew Knafl (GA), Reinoud Sleeman (ORFEUS), Seiji Tsuboi (JAMSTEC)

(1) Approval of minutes for 2009 meeting
Minutes for last meeting in Cape Town was introduced and approved without modifications. It was recognized that 39 stations was added to the backbone network in 2009. It is requested that the definition of the backbone network in the inventory should be amended reflecting this increase of the number of stations.

(2)FDSN station inventory discussion:
It was reported that the current inventory has over 1500 entries. It was reconfirmed that the inventory should contain broadband stations that are running and not necessarily providing real-time data. Also no strong motion data to be included at this stage
It was recognized that the idea of regional coordinator did not work and need to be reconsidered. Restructured regional coordinators are proposed below and should be approved by the working group 1.
Regional coordinator
(a) South America; Gerardo Suarez, Crista Von Hillebrandt
(b) South East Asia; Wen-Tzong Liang, Winfried Hanka
(c) China; Liu Ruifeng
(d) Australia and surroundings; Tim Barton, Mark Chadwick, Esline Garaebiti
(e) Northern Africa; Reinoud Sleeman, Andy Nyblade
(f) South Africa; Michelle Grobbelaar, Andy Nyblade
(g) Europe; Jan Zednik
(h) Central Asia and Middle East; Natalya Mikhailova, Issa El-Hussain
(i) North America; Rick Benson, Lind Gee
(j) Russia; Aleksey Malovichko

Backbone network
Definition of the backbone network was discussed. It was generally accepted that no major modification should be made to the definition discussed in the previous meeting. It is requested that the definition should be rewritten in the station inventory.

Database for the inventory
It was recommended that the database for the inventory should be developed. It was pointed out there exist several inventory databases, such as ORFEUS, ISC, and NEIC. It was advised that the FDSN inventory database should follow these existing databases.

(3) Reports from regional networks
Michelle Grobbeleer-Smith reported Stations within Africa.
Kent Anderson reported on the status of the GLISN program. In addition, he brought the question to WG-I whether or not it would be appropriate for the GLISN collaborative network operators apply to join FDSN as a "virtual network" organization. The working group discussed this and felt that there was no advantage to including this sort of virtual network organization at this time. Anderson also brought up that IRIS is looking to host several workshops related to establishing a global Array of broadband seismic arrays. IRIS will keep FDSN on appropriate mailing lists regarding these workshops and encourage FDSN participation.

(4) Other issues
Mark Chadwick reported that SeisComP3, by default, has many stations that are loaded directly. These are used by tsunami warning systems in the southern Pacific region and, due to limited bandwidth, a select subset of good stations for this region could be maintained (much like the set of backbone stations). It is pointed out that this should be discussed within IOC tsunami warning framework.