

# Report from the FDSN Chair (Y. Fukao)      June 12, 2002

## (1) Progress since the FDSN meeting at Mt. Fuji, 2001

**April, 2001:** Ahern (Secretary) completed the minutes of the FDSN meeting at Mt. Fuji.

**April, 2001:** The IRIS Excom agreed to have the next FDSN meeting in conjunction with the IRIS WS in Hawaii in 2002.

**May, 2001:** In response to the FDSN recommendation at Mt. Fuji, Lyons (Chair, WG 4) drafted a letter to Ambassador Hoffman (Executive Secretary, CTBTO) requesting access to Seismic, Hydroacoustic, and Infrasound data.

**May, 2001:** Butler (IRIS GSN) responded positively to Lyons' draft.

**June, 2001:** Pesaresi (Italian NDC) suggested Fukao to send the letter to Dr. Dahlman (Chair, CTBTO-WG B) before sending it to Ambassador Hoffman.

**June, 2001:** Fukao (Chair) sent the letter to Dr. Dahlman.

**July, 2001:** Fukao received an answer from Dr. Dahlman. "Your request would be considered against this background."

**July, 2001:** Fukao received an advice from Dr. Barrientos (Chief, Seismic Section of IMS) about the timing of sending the letter to Ambassador Hoffman.

**July, 2001:** Fukao sent the letter to Ambassador Hoffman.

**August, 2001:** Fukao received an answer from Dr. Kebeasy (Officer-in-Charge, Preparatory Commission of CTBTO). "I am pleased to note that the Commission has moved some way towards the provision of IMS data and IDC products to outside organizations. The Commission has agreed to provide access, according to specific procedures, to organizations contracted by the Provisional Technical Secretariat (PTS) to do CTBTO work. The Commission has also supported the use of these procedures in any arrangement the PTS may make for specific scientific research projects."

**August, 2001:** Ahern had a contact from Dr. Twesigomwe (ESARSWG, Uganda) about the FDSN membership.

**September, 2001,** Ahern announced the schedule of the next FDSN meeting.

**October, 2001:** Shedlock (Chair, WG 1) suggested the development of WWW Forms as one of the topics at the next meeting of WG 1.

**December, 2001:** Fukao received a fax from Dr. Suarez (Director, IMS Division) who suggested two possible sites for a BB seismic station on Papua New Guinea. Fukao asked FDSN members for the comments.

**December, 2001:** In reply to Fukao, Kennett (President, IASPEI) expressed his concern about their coordination with the Papua New Guinea Government and the existing PNG seismic network.

**December, 2001:** In reply to Fukao, Rhett pointed out that given the close proximity between HNR and PMG, it may be difficult for GSN to justify another site in Papua New Guinea. He suggested Fukao to place the matter on the agenda for the June meeting in Hawaii.

**January, 2001:** Ahern was informed that Steve Bratt will be replaced with Florence Riviere as a member from CTBTO.

**February, 2001:** Rhett received an email from Dr. Gledhill (New Zealand and GeoNet) expressing his interest to join the FDSN.

**March, 2001:** Fukao, as the FDSN President, sent a supporting letter for continuation of GEOSCOPE to Roullet (GEOSCOPE).

**April, 2001:** Shedlock sent to Dost (Chair, WG 2) information about the new station naming convention that is under discussion for ANSS stations in USA for discussion in WG 2 at the FDSN meeting in Hawaii.

**April, 2001:** A solicitation is sent from the Excom to the official representatives of the FDSN for nominations and recommendations for a new FDSN Excom that should be elected at the upcoming FDSN meeting.

**May, 2001,** Based on input from several of the Excom, Fukao suggested the following as the slate of candidates. Domenico Giardini (Chair, Switzerland), Jim Lyons (Canada), Seiji Tsuboi (Japan), Bernard Dost (Netherlands), Tim Ahern (Secretary, USA), Kaye Shedlock (LIC liaison, USA)

**May, 2001,** Ahrens sent out a last reminder to the FDSN members for the upcoming FDSN meeting in Hawaii.

**June, 2001,** Fukao was asked by Romanowicz (Berkeley) to consider, at the upcoming FDSN meeting, accepting the candidacy of the BDSN (Berkeley Digital Seismic Network) for membership in the FDSN. "I believe we meet all the criteria for membership in the FDSN. Since we are active participants in the NetDC and other data exchange programs, I think it is important for our staff to participate in the decision making process of the FDSN working groups."

**June, 2001,** Romanowicz elaborated her idea. "We think that, as such, we do have a global role -even if the data that we collect are focused on a region - and that we should be actively involved in the work of WG 2 which discusses the type of issues relevant to us as a Data Center."

**June, 2001,** Hanka (GEOFON) raised an issue to be discussed at the upcoming FDSN

meeting. He expressed his concern about the near real-time availability of data from the FDSN networks through the IRIS DMC. (His memo will be presented at the meeting.)

## **(2) Issues to be discussed**

### **(A) Towards more uniform and more dense station coverage**

- Future FDSN link to ocean bottom BB observatories
- Encouragement of installing BB networks in hitherto observational gaps
- Possible link to regional BB networks

### **(B) Towards free and near real-time access to the FDSN networks' data**

- Issue raised by Romanowicz
- Issue raised by Hanka
- Free access from any data center to the FDSN networks' data "through a common FDSN gate" (A suggestion)

### **(C) Towards a next generation BB network**

- Future FDSN link to groups of instrumental development, including international support for experimental observations.
- Implementation of e.g. GPS and sensitive barometers to networks to raise the value of the networks and to obtain a wider support in scientific community.

### **(D) Link to the CTBTO network (IMS)**

- Issue of free and open access to the IMS data
- Issue of the CTBTO for membership in the FDSN