

FDSN WG IV – CTBT Coordination

IUGG/IASPEI General Assembly, Prague, Czech Republic
Monday, 29 June 2015, 18:00 – 20:00, Room 3.1

The meeting starts at 18:10; 14 people attended (see list in the back)

Minutes

(Florian Haslinger with notes from Michelle Grobbelaar)

Action items are in **bold**

1) Adoption of agenda

The agenda was adopted unanimously

2) Approval of 2013 minutes (see FDSN website <http://www.fdsn.org/wgIV/>)

The 2013 minutes were approved with no changes

3) Activities since last meeting

Florian reported on following activities:

- Agreement with Niger for collaboration, including making the TORD array data available to the FDSN data archives:

The attempts to establish an agreement between the University of Niamey and NORSAR were at the end not successful. A special government office was established in Niger that is now responsible to look after all matters regarding the station. **Florian will seek support from the PTS to mention towards this office that it would be OK to share data with the scientific community directly.** If this is successful, we may approach this office directly and try to establish the respective agreement (again with NORSAR as intermediate).

- CTBTO collaboration:

In November 2013, the new FDSN Chair Göran Ekström sent a letter to the new Executive Secretary of the CTBTO Lassina Zerbo, congratulating him on taking the position and suggesting continuation of collaboration.

Florian had various bilateral meetings with PTS staff and always found a positive spirit towards collaboration with FDSN. That no explicit activity was undertaken was largely due to time- and resource constraints (on both sides).

In the discussion it was brought up that the host country / station operator of IMS (seismic) stations could be informed also during PTS training courses (NDC / Station Operator) about their right to the data (including sharing it with the scientific community) and about the FDSN. **FDSN could supply the CTBTO with a list of key stations for which interest in the data is particularly strong.**

It was also noted that the **FDSN could actively encourage station operators of IMS stations that we know to share their data with the FDSN (and become FDSN members in case they are not already).** This would be particularly easy as by now SeisComp3 is part of the standard NDC software package distributed by the PTS (including a plugin to read CSS data structures).

4) Look-back at CTBTO S&T 2015

Florian reported on the 2015 Science & Technology conference hosted by the CTBTO the week before IASPEI (www.ctbto.org/specials/snt2015). It was the 5th and so far largest conference (since 2006), with more than 1000 registered participants (many of them from the political community, though), and 550+ scientific abstracts. In seismology (according to Florian's perception) main topics were improvements in (automatic) event detection and location, 3D earth models (and their use in event location), event characterization. Some topics / presentations are also appearing again during the IASPEI meeting.

5) Access to IMS data – status & developments

David Jepsen, Coordinator of the IMS Division of the CTBTO/PTS, reports on the current status of the CTBTO's 'virtual Data Exploitation Center' vDEC. This can be used to access almost all IMS data, with some time delay, and based on a data usage and confidentiality agreement to be signed between the data user and the CTBTO (<http://www.ctbto.org/specials/vdec/>). vDEC is used extensively by scientists by now. CTBTO further shares data with recognized tsunami warning centers, and likely will soon enter into agreements with relevant organizations to share data concerning volcanic eruptions, for air traffic control purposes.

David Jepsen further reported on the status of the IMS network, where today 89% of the 321 monitoring facilities are completed. Challenges remain in the middle East and Africa, South America should be 'complete' soon.

In the discussion it was brought up that some IMS data is already in the IRIS/FDSN archive, either from aux. seismic stations reported by their parent network, or for some others under the 'IM' (international Miscellaneous) network code (data flow through various channels). **WG IV (Florian, Katrin Hafner, István Bondár) will collect information about which IMS stations are available in open data archives already.**

6) WG IV strategic review (goals and future activity)

Florian opens with reference to the 'charter' of WGIV from the website, and the 2011 resolution (see respective minutes), which are both found to be still relevant. But in order to have 'successful' activities, these must be specific and with identified active individuals (good will exists on all sides).

Areas of future work would be on software (data, products, metadata standardization; QC developments), station operator training courses (share participants lists – **IRIS will share list of workshop participants with CTBTO**; coordinate course planning where possible), utilization of CTBTO contacts in countries that have IMS seismic stations but are not yet FDSN members (action see under (3)), collaborate and coordinate on station upgrades, in particular in the aux. seismic network. **FDSN could encourage station operators with less experience to contact competent FDSN partners in upgrade planning, and FDSN may raise concerns if problems are noticed.**

The CTBTO is further encouraged to participate in relevant FDSN working groups (in addition to WG IV).

7) Any other business

The upcoming election of a new chair is discussed briefly.

The meeting is adjourned at 19:20

Attendance list

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