

**Report of the CBS Lead Centre for GCOS**  
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■ **Training to staff members of NMHSs in 2012**

Some staff members of NMHSs are invited to the Group Training Course for Reinforcement of Meteorological Services (\*) at the Japan Meteorological Agency (JMA) every year. In the training course of 2012, the CBS Lead Centre (LC) at JMA gave training on the CLIMAT report and lecture on the activities of CBS LCs for GCOS to four participants.

Staff from the Tokyo Climate Center (TCC) held the TCC Training Seminar on Climate Analysis Information in November 2012. the CBS LC-JMA gave the lecture and training of CLIMAT reports to 13 participants.

Moreover, staff from the Indonesian Meteorological Service (BMKG) visited JMA for the sake of improvement of their climate service in July 2012. CBS The LC-JMA representative had a chance to explain about the CLIMAT reports for them in order to improve the quality of the reports.

\* The course is organized by the Japan International Cooperation Agency (JICA) and JMA.

■ **10-day “CLIMAT” bulletin of Mongolia**

Mongolia had sent the 10-day (not monthly) data by the same format as the CLIMAT reports. As the data might confuse other NMHSs in climate monitoring, the CBS LC-JMA had contacted the Mongolian staff since 2011.

In 2012, once more, the CBS LC-JMA advised the Mongolian staff that the header of the 10-day bulletin should be changed in order to distinguish the 10-day data bulletin from the CLIMAT bulletin. As a result, CBS LC-JMA received an email saying that the Mongolia NMHS stopped using of header “CSMO” for 10-day (not monthly) data and changed the header to “VSMO”.

■ **A GTS problem of Viet Nam and Lao PDR**

The Regional Telecommunication Hub (RTH) Tokyo could not receive CLIMAT reports from Lao PDR between January and June 2012 via the Global Telecommunication System (GTS), nor receive CLIMAT reports from Viet Nam in 2012, except for April, although both Viet Nam and Lao PDR had put the CLIMAT reports to GTS every month. Both cases are GTS problems.

The RTH Tokyo has been able to receive the Lao PDR since July 2012 through the GTS, although the reason was not clear.

On the other hand, the focal point of RTH Tokyo informed the staff of RTH Bangkok about the missing of CLIMAT reports from Viet Nam, and the RTH Bangkok revealed that it had been caused by a problem of their software. After that, RTH Tokyo has been able to receive the Viet Nam CLIMAT reports through the GTS from August to December 2012.

■ **RBCN station in Cambodia**

The CBS LC-JMA has received the daily data of PHNOM-PENH/POCHENTONG via email every few months from staff of Cambodia. The CBS LC-JMA has forwarded the report to the GSN Monitoring Center in Germany and the World Data Center for Meteorology in the USA after encoding to CLIMAT format.

■ **Silent RBCN station in Malaysia**

The **RBCN** station in Malaysia (48650) was silent for a long time. The CBS LC-JMA contacted a Malaysian participant of the TCC training seminar in November 2012. As a result, Malaysia started sending the CLIMAT report of the station since December 2012.

■ **Bangladesh CLIMAT messages in BUFR format**

The CBS LC-JMA contacted the RBCN focal point of Bangladesh in October 2012 regarding the missing of CLIMAT messages in BUFR format. It turned out that Bangladesh inserted CLIMAT BUFR messages to the GTS every month. The focal point of RTH Tokyo informed the staff of RTH New Delhi about the issue, and RTH Tokyo was able to receive the BUFR for CLIMAT of Bangladesh in December 2012.

■ **Silent GSN station in Viet Nam**

Concerning the silent GSN station 48900 TAN SON HOA, the CBS LC-JMA identified in 2006 that the station is an aeronautical station operated by the airport association and it is impossible for the NMHS to submit CLIMAT report for 48900. The CBS LC-JMA has been proposing to the focal point of Viet Nam that it should be deleted from GSN, but the situation has not yet changed.