# 7.3 GISC workshops and training activities

## JMA workshop on WIS Implementation

This workshop was held at JMA Headquarters in Tokyo, from 22 to 24 October 2012. It was attended by sixteen participants from eight National Meteorological and Hydrological Services (NMHSs) in Bangladesh, Cambodia, Laos, Myanmar, Philippines, Sri Lanka, Thailand and Viet Nam.

This workshop was aimed at participants with an intention to deepen their understanding about WIS. Through a number of presentations, practical exercises, discussions and technical visits, the workshop provided an opportunity for participants to more deeply understand benefits expected from WIS, current situation of WIS implementation and future plans of WIS.

### Summary of the JMA workshop on WIS Implementation and consideration

The meeting shared a vision that the WIS expands a single-coordinated data management from GTS to all WMO programme and further to other international data systems. It also acknowledged with satisfaction that, as a part of the vision, the WIS metadata management has started in some DCPCs operated by JMA associated to GISC Tokyo.

Participants noted with satisfaction that the Excel-based WIS metadata creation tool is one of the powerful solutions for migrating from GTS bulletin catalogue into WIS discovery metadata, and supported further refinement of this tool. The workshop requested that the development should be part of WIS Application Pilot Project.

According to a questionnaire conducted after the workshop, JMA had a favorable reception. JMA has been recognized that the participants want to take enough time for the lecture with a focus on practical training as an issue in the next workshop and there has a high level of interest in the WIS Metadata among the participants.

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| 1. Keynote lecture -Overview of the WMO Information System
2. Introduction to GISC Tokyo Portal system
3. Lecture and Training for users of GISC Tokyo Portal system: WIS Metadata
4. Lecture and Training for users of GISC Tokyo Portal system: GISC Cache on WIS Portal
5. Lecture and Training for users of GISC Tokyo Portal system: Subscription
6. Lecture and Training for users of GISC Tokyo Portal system: Instruction on how to use the ticket system
7. Activities of JMA DCPCs: NWP product service of JMA
8. Activities of JMA DCPCs: Products of RSMC Tokyo - Typhoon Center
9. Activities of JMA DCPCs: RCC Tokyo (Tokyo Climate Center) and GPC Tokyo
10. Activities of JMA DCPCs: WMO World Data Centre for Greenhouse Gases (WDCGG)
11. Activities of JMA DCPCs: Operation of Meteorological Satellite Center as DCPC
12. Organizing the questionnaire
13. Estimating the value/cost-benefit of the GTS/WIS
14. Future Perspectives of WMO Information System
15. Wrap-up: WIS Part A, summary
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## WIS Workshop (Qatar)

This workshop was held from 26-30 Jan 2013 in Doha/Qatar. The workshop was organized by Qatar Meteorological Department and the WMO Secretariat. It focused on WIS National Centre and Data Collection and/or Production Centre implementation and the understanding and migration to WMO Table Driven Code Forms. It also discussed an implementation plan for a regional Marine Centre. GISC Tokyo was invited by QMD and 2 experts joined as instructor. GISC Tokyo presented GISC and DCPCs in Japan especially Typhoon Center and its operation, Metadata services of GISC Tokyo including Metadata creation tools and TDCF and its migration. Practical training with metadata creation tool was popular with participants.

## RA-V WIS/TDCF Training Workshop (Australia)

The WMO and the Australian Bureau of Meteorology held a 5-day training workshop for WMO Members in the South-West Pacific on the implementation of WIS and the migration to TDCF, from 29 April to 3 May 2013. Eiji Toyoda of JMA, as the Chair of the CBS Task Team on the Application of Metadata (TT-ApMD), participated this workshop as an invited speaker on the subjects of WIS metadata.

## Reference

### JMA workshop on WIS Implementation

GISC Tokyo
http://www.wis-jma.go.jp/cms/blog/2012/12/28/jma-workshop-on-wmo-information-system-implementation/

### WIS Workshop (Qatar)

QMD
http://www.qweather.net/site/index.php?option=com\_content&view=article&id=82%3Awis-workshop-in-doha&catid=4%3Afront-page-news&Itemid=43&lang=en

WMO
http://www.wmo.int/pages/prog/www/WIS/wiswiki/tiki-view\_blog\_post.php?postId=73

### RA-V Workshop on the Implementation of WIS and TDCF (Australia)

WMO
http://www.wmo.int/pages/prog/www/WIS/wiswiki/tiki-view\_blog\_post.php?postId=77.