

GISC Tokyo's Implementation plan for WMO Information System (WIS)

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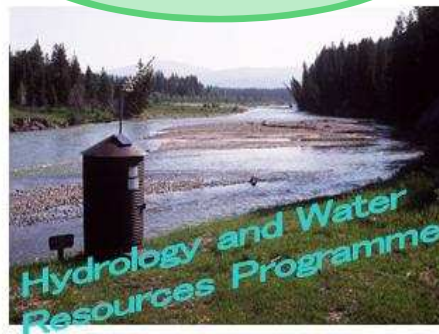
I. WMO Information System

WMO Information System (WIS)

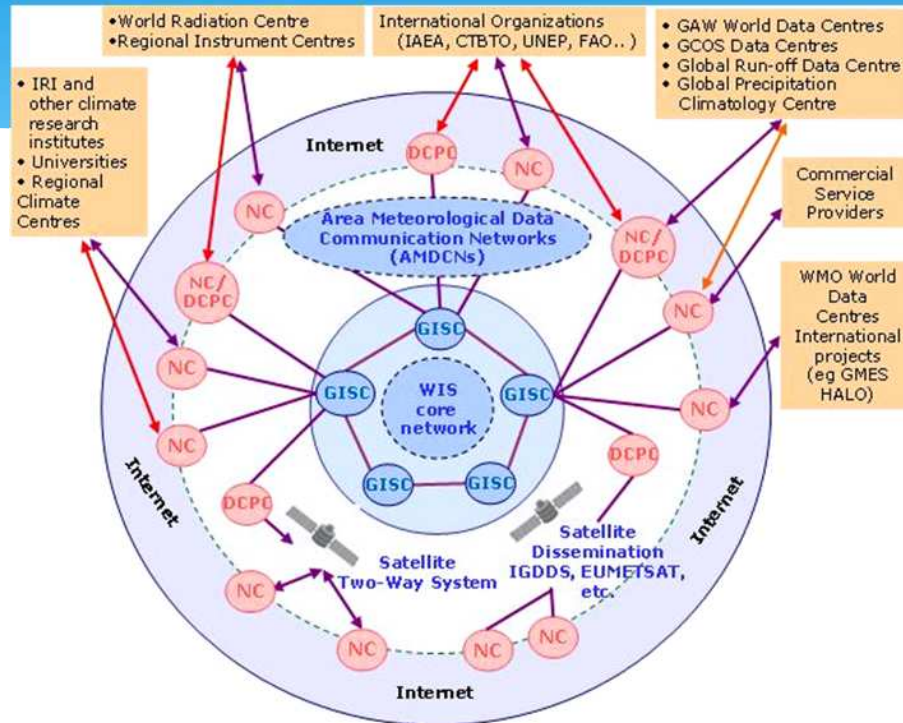
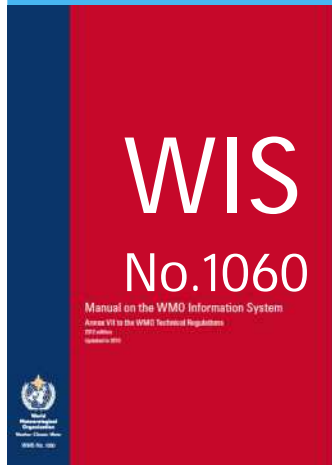
- a single coordinated global infrastructure for collecting and sharing information to support all WMO and related international programmes



WIS Common infrastructure



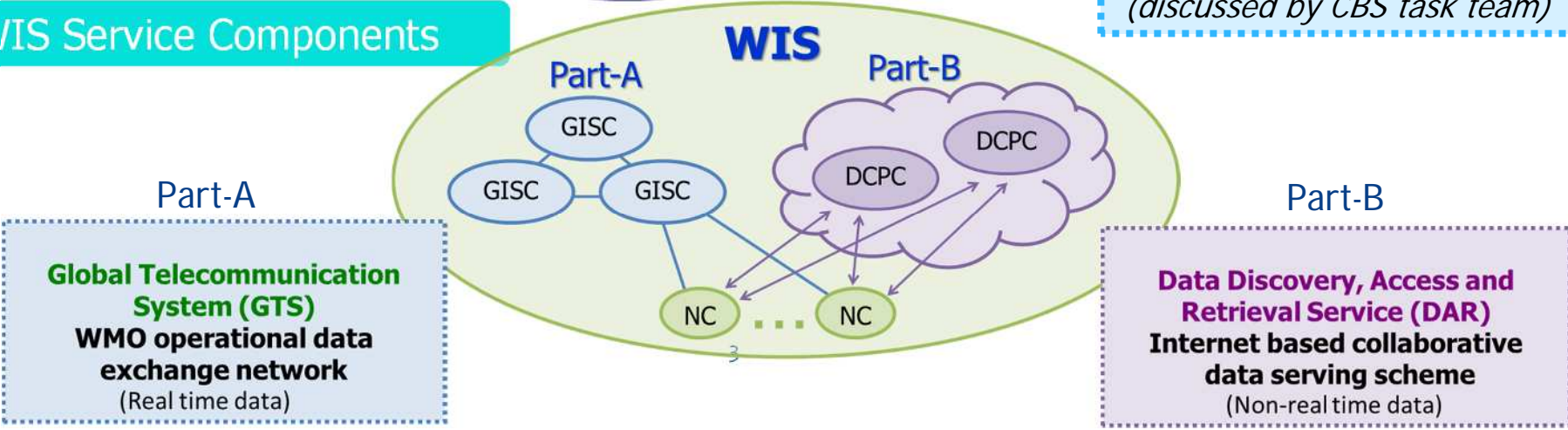
WMO Information System



Part-C

WIS data life-cycle management
(Create-store-share-use-archive-destroy)
(discussed by CBS task team)

WIS Service Components



Part-A
Global Telecommunication System (GTS)
WMO operational data exchange network
(Real time data)

Part-B
Data Discovery, Access and Retrieval Service (DAR)
Internet based collaborative data serving scheme
(Non-real time data)

GISC Tokyo

- * Beginning its operation from August 2012
- * Manual on WIS (ch. 1.3)
 - Data, products and metadata shall flow to a GISC from the DCPCs and NCs that are within its area of responsibility.
 - An Area Meteorological Data Communication Network (AMDCN) shall connect each GISC to DCPCs and NCs in the GISC area of responsibility.
 - connect to other GISCs through the WIS Core Network.
- * Support
 - Backup arrangement
 - Technical support (visiting/email)
 - Workshop/training (inviting)

II. WIS workshop in Tokyo

- March 2010
 - Introduction to WIS concept
- October 2012
 - Metadata management
 - Sub-regional side meeting
- November 2014
 - Based on the WIS Competency
 - Backup arrangement

1st JMA WIS workshop in 2010

(9-11 March 2010)

Introduction to WIS concept

- to share the WIS vision, technical specifications, the current status of WIS development.

It is also expected that this Workshop will facilitate to identify and consolidate of the requirements related to WIS in Asian countries.



2nd JMA WIS workshop in 2012

(22-24 October 2012)

Metadata management
Sub-regional side meeting

- deepen understanding of the DAR services
- share a clear view of the way to improve and implement WIS effectively.



3rd JMA WIS workshop in 2014

(18-20 November 2014)

stable WIS operation

- Backup arrangement, Up/Download utilities
- WIS competency, WIS monitoring

Information from DCPCs in JAPAN

- New satellite Himawari 8/9, Typhoon center/SATAID



- 18 participants from 9 NMHSs
- also lecturers from CMA, DWD and the WMO secretariat

III. 4th JMA WIS workshop in 2016

(6-8 December 2016)

- 18 participants from 9 NMHSs

- lecturers from BoM and the WMO secretariat

KEY words

- Area Meteorological Data Communication Networks (AMDCNs)
- Broader perspective of data exchange

Purpose

- help participants understand technical requirements necessary for joining Area Meteorological Data Communication Networks (AMDCNs)
- provide participants with opportunity to gain a broader perspective of data exchange enabled by AMDCNs

*Radar Techniques in the Southeast Asia: the one for the Regional Association II and V joint WMO Integrated Global observing System (WIGOS) project of Capacity Building

Goal

- learn basic concepts of connecting AMDCNs
- the benefits be ploughed back into participants' organizations for further enhancement of services related to WIS and observation data exchange

IV. 4th JMA WIS workshop program

* SESSION 1 KEYNOTE LECTURE

- GISC Tokyo's Implementation plan for WMO Information System

Mr Naofumi Masuko (JMA)

- Emerging Data and related trends

Dr Steve Foreman (WMO)

* SESSION 2 AMDCN Implementation

- Infrastructure and implementation of AMDCN on GISC Tokyo

Mr Yoritsugi Ohno (JMA)

- Security / VPN Guide

Dr Steve Foreman (WMO)

- Technology required for and its operation of AMDCN on GISC Tokyo

Mr Yoritsugi Ohno (JMA)

- AMDCN in ASEAN/RA V

Mr Weiqing Qu (BoM)

*Wrap up for establishment of AMDCN

4th JMA WIS workshop program (cont.)

* SESSION 3 Radar Project in Southeast Asia

- Capacity Building in Radar Techniques in the Southeast Asia

Mr Hiroaki Minematsu (JMA)

- JMA cooperation activity at South East ASIA region

Mr Takanori Sakanashi (JMA)

- Quantitative Precipitation Estimation

Mr Kazuhiko Nagata (JMA)

- Introduction to SATAID (satellite image viewer program)

Mr Takanori Sakanashi and Mr Kazuhiko Nagata (JMA)

- Radar data exchange in South-East Asia

Mr Kentaro Tsuboi (JMA)

- Organizing the questionnaire

Mr Kentaro Tsuboi,

Hiroaki Minematsu, Mr Kazuhiko Nagata and Mr Takanori Sakanashi (JMA)

- An Introduction to the new information sharing tool -SATAID Forums-

Mr Syuichi Ikeda (JMA)

*Visit to the Office of Computer Systems Operations and the Meteorological Satellite Center in Kiyose city and excursion

4th JMA WIS workshop program (cont.)

* SESSION 4 Lectures on WIS

- GISC backup

Mr Kenji Kosuge (JMA)

- WIS Monitoring

Introduction

Dr Weiqing Qu (BoM)

JMA's WIS Monitoring Common Dashboard

Mr Yasutaka Hokase (JMA)

WIS Monitoring Elements

Mr Leon Mika (BoM)

- User Need on Subscription Tool (RA-II and RA-V WIS Application Pilot Project)

Subscribing to Products in GISC Tokyo *Mr Yasutaka Hokase (JMA)*

Subscribing to Products In OpenWIS *Mr Leon Mika (BoM)*

Organizing the questionnaire *Mr Leon Mika (BoM) and*

Mr Yasutaka Hokase(JMA)

V. Summary

- * WIS will become more stable, powerful and user-friendly system by continual collaborative development of NCs, DCPCs and GISCs.
- * Your participation in pilot projects: WIS-App, WIS monitoring and so on, is very much appreciated.
- * I hope this workshop will provide participants with a good opportunity to learn the concepts of AMDCNs and various WIS activities.

* *Contact us at any time!*

WIS Portal – GISC Tokyo ... <http://www.wis-jma.go.jp/cms/>

SATAID Service ... <http://www.wis-jma.go.jp/cms/sataid/>

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Please proceed to:

- [Overview of WIS](#);
- [List of JMA's WIS services](#) as GISC and DCPC's;
- [Tutorial Slides](#) of GISC's DAR service; or
- [directly to data in text \(warnings\), raw WMO Codes, or KML.](#)



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Centres of WMO Information System (WIS) come into operation on 1 August 2011
—Posted on 8/1/2011

WMO Designated GISC/DCPC Tokyo!
—Posted on 6/6/2011

Towards the Successful Implementation of WMO Information System (WIS) in Asia
—Posted on 3/11/2010

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Thank you so much for your kind attention.