

Election of Co-Chair

Mr. Hiroshi Kunimatsu (JMA) stepped down as the Co-Chair of WGIV prior to CGMS-47.

JMA proposed Mr. Kotaro Bessho as candidate for this role.

The working group elected Mr. Kotaro Bessho for the nomination to become WGIV Co-Chair

Key issues of relevance to CGMS:

- Big Data and Cloud Services
- Cyber Security
- Metadata implementation
- User Readiness

Summary of WG IV - User-provider dialogue on regional/global scales

JMA/KMA presented two working papers related to user-provider dialogue in RA II and RA V.

- The Progress Report on the RAI WIGOS Project demonstrates a good example of best use of satellite data information.
- A Survey on the Use of Satellite Data led to immediate reaction by JMA to enhance data access of GSMaP data to Asia and Pacific countries, and also to provide Sea-Surface AMVs retrieved from Himawari-8

Summary of WG IV – Global or inter-regional data circulation and access systems

Roshydromet, CMA and KMA presented evolutions in their data access methods.

NOAA presented a project changing significantly the access to open data by using cloud providers and other collaboration partners.

- Cloud services become more and more a standard service for part of the data access method or may even replace most of the legacy methods in future.

The working group discussed various aspects of potential concern, such as metadata, formats, compatibility of tools on different clouds, cost model, interoperability and training.

- The working group agreed to form an expert group with PoC from CGMS members to address cloud services interoperability (starting in inter-sessional meetings)

Summary of WG IV – Global or inter-regional data circulation and access systems

WMO presented the status of WIS 2.0 and how CGMS Space Agencies should contribute to its implementation

- This is based on 11 principles underpinning the new functional architecture.
- WMO is asking for contribution from CGMS members in the form of participation with demonstration projects, exploring several of the WIS 2.0 principles.
- A corresponding action was raised.

Summary of WG IV – Widening of data access

ISRO presented an update of MOSDAC access methods and new services.

WMO presented a paper in the context of rapid-scanning observations on demand, as it is performed by CMA, JMA and KMA. Harmonisation of such a service is proposed by using a common portal for operational information.

- The working group recommended to prepare a report of RSS observation on demand activities including user readiness and notification, and raised a corresponding action.

Summary of WG IV – Coordination of Metadata

The Task Force on Metadata Implementation (TFMI) made again considerable progress as reported in the CGMS TFMI Activity Report.

The achievements include a review of the WIGOS metadata standard, the DBNet metadata review, and the creation of WIS metadata records for satellite data products.

TFMI produced recommendations as a result of those tasks, and defined the Task Force working plan for finalising the WIGOS standard assessment (WIGOS Metadata Representation Format).

- The working group acknowledged the work and created two recommendations for endorsement by plenary

Summary of WG IV – User readiness for new satellite systems

Two papers were presented in this area , one from NOAA addressing user readiness work on GOES-R Series and NOAA-20, and the relevant sections of the VLab progress report and 5-year training strategy by the VLab chair.

- The NOAA mission related user readiness work demonstrated the application of best practices.

Regarding Vlab

- The working group recommended to add space weather training to the VLab
- The working Group supports the endorsement of the VLab 5 year training strategy and created a recommendation for plenary.

Summary of WG IV – Cyber security towards end users

EUMETSAT and NOAA presented papers related to cyber security. The EUMETSAT Template for Interconnection Security Agreements addresses more the interface between secure partner networks. NOAA focused more operational cyber security in general.

- The Working Group agreed that more must be done together with experts in cyber security with the goal to share experience, develop best practices and to look at training aspects of cyber security.
- To be further discussed in inter-sessional meetings with expert PoC from CGMS members

Summary of WG IV – Long term data preservation

EUMETSAT presented an analysis of the CEOS LTDP guidelines and concluded that they are fully applicable to data from the CGMS agencies and can serve as the relevant guideline for CGMS.

- The WG agreed to adopt the CEOS LTDP guidelines and to review them on a regular basis.

Summary of WG IV – HLPP

The considerations from the HLPP review will be addressed in inter-sessional meetings, with the goal to provide updates to the HLPP for CGMS-48.

To be considered by CGMS:

- Nomination of Kotaro Bessho (JMA) as new WGIV Co-chair, replacing Hiroshi Kunimatsu (JMA).
- For endorsement: The recommendations available from CGMS-TFMI-WIGOS-Standard-Review (see link in CGMS-47-CGMS-WP-07)
- For endorsement: The presented working plan regarding the assessment of the WIGOS Metadata Representation Format and allow the task force to proceed on the defined tasks.
- For endorsement: The Five-year Strategy document proposed by VLab, w.r.t. items in the scope of WG-IV.