



Global data dissemination report WGLV

Presented to CGMS-46 Plenary session , agenda item E

Key issues of relevance to CGMS:

- IODC data dissemination plan (CMA, EUMETSAT, ISRO, ROSH)
 - Implementation of essential data dissemination expected to be completed in 2018
 - Data from FY-2H located at 79° E is available
 - ISRO is implementing new ISROCast dissemination infrastructure, Satellite- and Terrestrial-based

Key issues of relevance to CGMS:

- Global data exchange from next generation GEO satellites
 - Current level of data exchange is still manageable
 - Scalability of download services may become an issue, other methods are investigated (e.g. cloud services) at experimental stages
 - Increasing demand for high volume data
 - from NWP centers,
 - from precipitation community
- **WG Action:** NOAA to appoint a new PoC on SATURN for GOES
- **WG Action:** WMO to further refine the requirement from IPWG, in terms of user community and geographical resolution

Brief summary of WPs and discussions – important issues

- WMO presented the **WIGOS Data Quality Monitoring System**. Several areas for improvement were identified and its potential for use also in satellite operations - related to one of the new objectives in WGIV.
- **WG Action:** WMO to liaise with GSICS on implementing GSICS monitoring capabilities in WDQMS, and WMO to include incident management capabilities, and report back to WGIV.

Brief summary of WPs and discussions – new items

- **ITWG's ITSC-21** report contains a number of recommendations relevant for WGIV. Most are already reflected in existing working practises or arrangements. However two recommendations in the area of user notifications were translated into actions.
- **WG Action:** CGMS data providers to consider an enhancement of advance notifications of processing changes ... resulting in a change in brightness temperature of 0.1K or 20% of NEdT (whichever is smaller)... this should be made clear in notifications to users. These notifications should be made no later than 8 weeks before the change and test data should be provided if possible.
- **WG Action:** CMA to consider implementing a **subscription-based anomaly/event notification** service ...

Brief summary of WPs and discussions - open actions

- There was little progress on the work from the Task Team on Metadata, due to resource problems. Two open action could not be completed.

This will be **addressed in inter-sessional** meetings of the WG with Task Team participation.

- Based on the feedback from satellite operators on the space weather instrument data formats a discrepancy was found in the needs from SWTT and what is currently available.
- Action on CGMS members operating space weather instruments to provide the currently defined data formats remains open and **response is requested until CGMS-47.**

Brief summary of WPs and discussions - other

- EUMETSAT reported on the ongoing and planned evolution of EUMETCast Europe and Africa, in view of next generation satellites MTG and EPS-SG.
- Further progress is made in dissemination services and end user support on GEONETCast Americas. NOAA-20 products were added, GOES-17 products planned to be added. End user support includes processing and visualisation packages and training.
- EUMETSAT presented the status and ongoing activities of the Data Services Pathfinder Projects providing new terrestrial methods of data access. Projects are now going into user validation phase.

Brief summary of WPs and discussions - other

- NOAA and EUMETSAT presented their support for International Disaster Charter Activations, NOAA as data provider, and EUMETSAT by investigating the provision of dissemination resources.
- JMA presented a JMA/KMA progress report on a RA II WIGOS Project, a framework to assist NMHSs for better use of satellite-related information. As part of this activity a user survey will be conducted in 2018.
- Two papers were presented by NOAA addressing user preparedness for dissemination, and user readiness for products. User preparedness for MTG was verbally presented by EUMETSAT.

New Objectives from updated ToR

- 8) Address the notification of changes (and alerts) in satellite data and/or products impacting users, with the aim of defining Best Practices;
- 9) Address topics related to cybersecurity towards end users, within the WG and through Inter-sessional meetings with additional experts with the aim to develop the topic in the WG;
- 10) Address long term data preservation, within the WG and through Inter-sessional meetings with additional experts with the aim to develop the topic in the WG;
- 11) Discuss relevant aspects on the implementation of the global contingency plan from Plenary (as proposed by WG-III);

Actions / Recommendations

- After CGMS-45 there were 11 actions open
- During CGMS-46
 - 2 actions could be closed, 8 actions remained open, one on hold
 - 5 new actions created
 - 3 existing recommendations (long term) were extended
 - there were no new recommendations added

➤ Backup Slides

Objectives of WG IV

The current objectives are reflected in WG-IV agenda:

- 1) Support the implementation of sustained and coordinated communication satellite broadcast systems;
- 2) Increase access to R&D and pre-operational mission data;
- 3) Analyse the extension of coordinated dissemination services for additional user communities;
- 4) Support the use of the WIS infrastructure for data provision and discovery;
- 5) Coordination of metadata for satellites and instruments;
- 6) Support the evolution and promote harmonisation of data access portals;
- 7) Support user-provider dialogue on regional/continental scales;
- 8) Support space weather matters;
- 9) Address additional topics from the CGMS High Level Priority Plan within the scope of WG-IV;

Relevant HLPP items

- Relevant HLPP items are all items under section 2:

2 COORDINATION OF DATA ACCESS AND CONTRIBUTION TO THE WMO INFORMATION SYSTEM (WIS)

Contribution to HLPP

- The two HLPP targets related to User Readiness are proposed to be moved from the cross-cutting area to the section of the HLPP overseen by WG-IV.

Nomination and representatives at meetings

- Co-chairs:
 - Vasily Asmus (ROSHYDROMET)
 - Hiroshi Kanimatsu (JMA)

- Rapporteur:
 - Klaus-Peter Renner (EUMETSAT)

Inter-sessional Meetings

Tentative dates

- 17 October 2017, 12:00 UTC:
WG-IV intersessional meeting, topics: develop new objective cyber security, TT metadata actions
- 5 December 2017, 12:00 UTC:
WG-IV intersessional meeting, topic: develop new objective long term data preservation, status of actions/recommendations
- 23 January 2018, 12:00 UTC:
WG-IV intersessional meeting: preparation/agenda for CGMS-4