CGMS Task Force on Metadata Telco 11

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Meeting Date: `13.12.2018`

Meeting Location: `Webex Teleconference`

Minuted by: `Guillaume Aubert (EUMETSAT)`

Participants:

- *NOAA: Anna Milan [AM]*
- *NOAA: Li Yuanjie [LY]*
- *JMA: Kobo (Koji) Yamashitathe [KY]*
- *WMO: Mikael Rattenborg [MR]*
- *EUMETSAT: Guillaume Aubert [GA]*

Summary of Actions agreed during the meeting

Check the minutes for additional details on the actions.

Action	Actionnee	Deadline
Contact GISC Washington to understand how the connectivity issue between NOAA OAI PMH satellite reporistory and GISC Washington can be resolved.	Li Yuanjie	Telco Jan 2019
Send to [AM] and [LY] the contact details of GISC DWD	Guillaume Aubert	Telco Jan 2019
Review the CGMS TMFI WIS Metadata creation guidance documentation	All Members	Telco Jan 2019
Share the Guidance documentation via email	Guillaume Aubert	Telco Jan 2019
Assess the application of the WIS TFMI Guidance documentation when generating the WIS metadata records for Satellite products	All Members	Telco Jan 2019
Finish the review of the WIGOS Standard and add comments in the linked Google Doc or via email	All Members	Telco Jan 2019

Agenda:

1. WIS Satellite products metadata generation status
2. CGMS TFMI WIS Guidance documentation review/comments and application of the Guidance material.
3. WIGOS Standard Review
4. Future work, next steps
5. AOB

1. WIS Satellite products metadata generation status

Through a tour de table each partner described the status of its WIS Satellite products metadata generation.

[AM] and [LY] indicating that for NOAA an OAI-PMH repository with metadata records describing satellite products has been setup and activated 1.5 year ago.

The OAI repository contains ISO 19115-2 records but the connectivity with GISC Washington could not be established for technical reasons.

[GA] asked if it was possible to contact GISC Washington to solve the techincal issue and release the NOAA satellite products records in the WIS.
[AM] and [LY] indicated that it was possible and [LY] offered to contact GISC Washington.

- **Action [LY] - Next Telco: Contact GISC Washington to understand how the connectivity issue between NOAA OAI PMH satellite reporistory and GISC Washington can be resolved.**

Based on the outcome of the discussion, the Task Force could also through the CGMS raise the awarness of the issue and help resolving it.

If it helps because the NOAA repository should ultimately be connected to GISC Washington, [GA] indicated that EUMETSAT had the exact same setup (connection to GISC Offenbach using an OAI-PMH repository) and that it might be possible to perform some connectivity tests with GISC DWD. [GA] will send the contact details of GISC DWD to organise some tests.

- **Action [GA] - Next Telco: Send to [AM] and [LY] the contact details of GISC DWD.**

[KY] indicated that for JMA, the satellite products records where generated by the team responsible for maintaining the WIS interface in JMA. He indicated that Himawari records and additional JMA satellites were published via GISC Tokyo and all records are compliant with the WIS regulations and standard (WMO Core Profile 1.3).

[GA] for EUMETSAT said the WMO Core Profile 1.3 compliant metadata records are produced by EUMETSAT and synchronized and published through GISC Offenbach using using OAI-PMH. Two kinds of metadata records are published the GTS bulletin records and the non GTS DCPC (Data Collection Production Centre) records.
Some of the GTS records are not yet fully generated by EUMETSAT but will be by Q2 2019.

2. CGMS TFMI WIS Guidance documentation review/comments and application of the Guidance material

Regarding the review of the guidance documentation [AM] and [LY] indicated that they misunderstood the review to be performed as they focused mainly on the review of the WIGOS Standard.
[KY] also indicated that he had not reviewed the guidance documentation.

[GA] indicated that this task still had to be performed for the next Telco and he would share the documentation via email to facilitate the review.

- **Action [All members] - Next Telco: Review the CGMS TMFI WIS Metadata creation guidance documentation**
- **Action [GA] - Next Telco: Share the Guidance documentation via email.**

Regarding the application of the guidance documentation, NOAA and JMA could not answer the question and would answer it for the next Telco.

[GA] indicated that EUMETSAT was applying all the recommendations regarding the ***Product Information, Mandatory Information*** (as per guidance documentation structure) but had not yet implemented the ***Additional Satellite Product Information*** and would like to do it in Q2 2019.

- **Action [All members] - Next Telco: Assess the application of the WIS TFMI Guidance documentation when generating the WIS metadata records for Satellite products.**

3. WIGOS Standard Review

The last point discussed was regarding the WIGOS standard review and [AM] and [LY] from NOAA exposed their initial findings/questions:

- ***How is the link established between the Discovery metadata WIS and the Observation metadata ?*** There is no Title/Abstract summarizing the observation content ? Is it needed ?
- ***WIGOS 1.04: Spatial extent and Geospatial extent***: What is the difference ?
- ***WIGOS 3.01 and 3.02 Region and Territory***: What should be put for Satellite observations. Region is the WMO region for the organisation operating the Satellite but what about Territory ? Territory is optional anyway and it doesn't need to be always filled.
- ***WIGOS 3.05 Station Platform***: What is the Station Platform model for a Satellite ? Is there a code table and what are the available values. Does it need to be extended ?
- ***WIGOS 3.09***: Station operating status but is there one for the instrument operating status ?
- ***section 6*** Sampling is fine.
- ***section 7 contains the level of data eg. level 0, 1, 2***. It should be mandatory for satellite observations.
- ***aggregation period*** What is it in the context of Satellite observations.
- ***section 8***: quality of measurements are defined but it is different from the same type of information defined in the ISO 19115-7 (not sure about the number) standard. Should the level of categorisation should be used ?
- ***section 9*** Ownership and data policy.
- ***section 10*** Instruction and contact.

[GA] indicated that these findings were really interesting and some of when similar to the ones found by EUMETSAT. [AM] and [LY] had also worked on a Google Document and [GA] proposed to share it and use it as a living working document for starting building the assessment report. For the next Telco other organisations should also put their findings while assessing the WIGOS Semantic standard.
[GA] also indicating that the WIGOS standard was a semantinc standard and its implementation was the WIGOS Metadata Representation wmdr xml standard. The WIGOS standard was therefore kept generic and open to accomodate different communities and often community specific information could be added in the WMDR itself.
The Task Force would therefore have to make a choice and judge if the information being generic would be in the WIGOS standard or being too specific would go in the wmdr.

Action [All members] - Next Telco: Finish the review of the WIGOS Standard and add comments in the linked Google Doc linked below:

Google Document with WIGOS Standard findings

For EUMETSAT in addition of the NOAA findings, [GA] added the following points:

- ***There is no Orbit information*** (geostationary, geosynchronous) in the standard and it needs to be added in the WIGOS standard or wmdr.
- ***WIGOS ID definition is not constrainted***. There is a need of best practices for defining the WIGOS ID for Satellite observations. The WIGOS ID structure should be studied and if necessary best practicies have to be defined (organisation, satellite platform, ...)
- ***Best Practices will be needed to generate wmdr records***: The WIGOS standard like all metadata standard offers many ways to describe the same information. For instance, the geospatial information like field of view for a stallite could be described as a disc, a bounding box, ...). In order to allow machines to easily ingest the WMDR, best practices should be built to describe the most common set of information.

[KY] indicated that JMA would complete the review for the next Telco.

4. Next Telco

The Next Telco will be organised the week of the 28th of January 2019.
Poll for choosing the day available here:
https://doodle.com/poll/cw5k58uxsr2ekm7b

5. AOB

N/A