

CGMS Task Force on Metadata Teclo 10

Meeting Date: 05.11.2018

Meeting Location: Webex Teleconference

Minuted by: Guillaume Aubert (EUMETSAT)

Participants:

- NOAA: Anna Milan [AM]
- NOAA: Li Yuanjie [LY]
- 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
<i>Review the current guidance documentation for the creation of satellite metadata records and report issues that would not make it applicable anymore</i>	All Members	Telco 11 in Dec 2018
<i>Survey in each individual organisations and understand if satellite product metadata records are generated. Second question, when generated do the metadata records follow the TFMI guidance documentation on creation of MD records for Sat products ? If not how could it be implemented ?</i>	All Members	Telco 11 in Dec 2018
<i>Review the WIGOS metadata standard up to Chapter 7 Category 1 to 4 and provide comments. Assess if it can be used to describe Satellite observations.</i>	All Members	Teclo 11 in Dec 2018

Agenda:

1. Previous Activities recap,
2. New Activities details,
3. Work Plan and way forward,
4. Next Telco,
5. AOB.

1. Recap of previous activities

The previous task given to the Task Force was to support the creation of WIS metadata records for satellite data products because very few records had been created and provided by the EO Satellite community to the WIS.

The produced deliverable corresponding to that task is the Guidance documentation for creating metadata records defined by CGMS TFMI.

To produce the Guidance documentation an analysis of the WMO Core Profile 1.3 (Profile of ISO 19115 metadata standard) has been performed and release by the Task Force to understand if the WMO Core Profile 1.3 used by the WIS was fit for describing satellite products. In addition to the produced Guidance documentation, metadata records templates have been created.

The guidance documentation and the templates are available here:

- [Guidance Documentation](#)

- [Templates](#)

In addition, a Usability report on WIS Portal has been presented to ET-WIS (WMO Expert team in charge of WIS implementation). The report provide a set recommendations, the main ones being:

- Portal should more focus on presenting the product contents and not product technicalities
- Standard practices for the search and discovery services used by the internet industry should be applied as much as possible
- UX experience specialist should be used to improve the portal navigation and ease of use

The report can be accessed here:

[WIS Portal Usability Report](#)

1.1 Results and achievements

- The Guidance Documentation has been endorsed as an official WMO Guideline by the Commission for Basic System (Governing body for WMO WIS) and is available in the official WIS Wiki:
 - http://www.wmo.int/pages/prog/sat/meetings/documents/IPET-SUP-3_INF_04-02_WIS-Metadata-Creation-Guidance.pdf
 - <https://wiswiki.wmo.int/tiki-index.php?page=WisMetadata>
- The TFMI usability report on WIS Portal and additional initiatives have triggered the creation of an action in the WMO Inter Program Expert Team on Metadata (IPET-MDD) to perform a global analysis of the WIS Catalogue web interfaces and deliver recommendations for improving the UX.

2. New activities details

2.1 Provision of WMO Core Profile metadata following CGMS TFMI recommendations

Guide and templates have been created but it has not been used by all organisations. In addition, some organisations are already publishing WMO Core Profile metadata without following the recommendations.

All members shall report via email or during the next Telco organised early December 2018.

- **Action: Review the current guidance documentation for the creation of satellite metadata records and report issues that would not make it applicable anymore**

All members shall report via email or during the next Telco early December 2018.

- **Action: Survey in each individual organisations and understand if satellite product metadata records are generated. Second question, when generated do the metadata records follow the TFMI guidance documentation on creation of MD records for Sat products ? If not how could it be implemented ? [All members]**

All members shall report via email or during the next Telco early December 2018

2.1 WIGOS Study

WIS metadata are discovery metadata allowing to discover and retrieve data.

WIGOS metadata are the interpretation metadata or observation metadata providing information regarding the measurments/observations: On which satellite platform, instrument, which calibration information and porcessing software, etc.

This standard has been driven by the surface observation community but it is also planned to use WIGOS to describe Satellite observations.

One of the WMO goal with WIGOS is to have WIGOS metadata records being the source of OSCAR Space.

[OSCAR Space Database](#)

WIGOS needs to be assessed and endorsed by the satellite community and WMO has asked CGMS to perform a review of the WIGOS standard and create a report with recommendations on the standard.

[Wigos Metadata Standard](#)

[GA] proposed to organise the review of WIGOS in two steps:

1. Review the WIGOS metadata standard which is an abstract standard
2. review the XML metadata format.

Review the WIGOS metadata standard should be done by end of March 2019.

Review the XML format by July 2019.

3. Work Plan and way forward

3.1 Provision of metadata for satellite products to the WIS

The WIS metadata creation guidance has been created 2 years ago and it necessary for each organisations to assess if it can still be used to described Satellite products.

- **Action: Review the current guidance documentation for the creation of satellite metadata records and report issues that would not make it applicable anymore [All members].**

All members shall report via email or during the next Telco early December 2018.

In additions to create a release plan for WIS metadata records to the WIS by satellite data providers, it is necessary to undertand if satellite product metadata records following the WMO Core Profile 1.3 are being produced by the different Satellite organisations and if it is provided to the different reference WIS GISCs.

- **Action: Survey in their organisation and understand if satellite product metadata records are generated. Second question, do they follow the recommendation documentation? If not how could it be done ? [All members]**

All members shall report via email or during the next Telco early December 2018.

3.2 WIGOS Assesement

The Task Force has the following objectives regarding the WIGOS assesement.

- ***April 2019: produce a report assessing the WIGOS metadata standard for satellite observations.***
- ***Jully 2019: produce a report assessing the WIGOS XML metadata standard and understand if it can be used in production by Sat data providers.***

[GA] proposed to start assessing if the WIGOS metadata standard can be used to describe Satellite observations and the following action has been accepted.

To facilitate the review, GA will distribute amongst the member a previous assessment report of the WIGOS metadata standard.

- **Action:Review the WIGOS metadata standard up to Chapter 7 Category 1 to 4 and provide comments. Assess if it can be used to describe Satellite observations. [All members]**

Comments should be provided to the Task Force via email using the group email and should be reported by the different members during the next Telco.

4. Next Telco

The Next Telco will be organised during the first three weeks of december 2019.

5. AOB

N/A