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WIS Metadata

CGMS-WMO Task Force on Metadata Implementation

IPET-SUP-2, Agenda Item 10.1

Guillaume Aubert (EUMETSAT) and
Mikael Rattenborg (WMO)

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CGMS-WMO Task Force on Metadata Implementation

- Membership (Feb 2016)
 - Guillaume Aubert (EUMETSAT, chair)
 - Yasushi Izumikawa (JMA)
 - Zoya Andreeva (ROSHYDROMET)
 - Byung-il Lee (KMA)
 - Hidehiko Murata (JMA)
 - Dongfeng Luo (CMA)
 - Michael Schick (EUMETSAT)
 - Toshiyuki Sakurai (JMA)
 - Virendra Singh (IMD)
 - Xu Zhe (CMA)
 - Li Yuanjie (NOAA/NCDC)
 - Yoshito Yoshizaki (JMA)
 - Daniele Biron (Italian Meteorological Service, WMO ET-SUP member)



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- Main deliverables
 - CGMS Information model for satellite data (Level 1,2 and 3), including the set of mandatory attributes allowing a user to accurately find a satellite product and obtain from the catalogue a complete description for this product.
 - Mapping of Information Model to WMO Metadata Profile and identify gaps where aspects essential to satellite data cannot be represented in WMO profile.
 - Best practices and examples of satellite products' metadata to create a coherent search experience regarding satellite data products.



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- Initial version of information model has developed and examples developed for a number of satellite data sets
 - FY-3 VIRR Level-1
 - INSAT-3 AMV Level-2
 - Himawari-8 AHI Level-1
 - POES AVHRR SST Level-3
 - Meteor MTVZA-GY Level-1C



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- A mapping has then been done of the full Information Model to the WMO Core Metadata Profile
- Through this mapping exercise it became evident, that all the information model elements could not be unambiguously mapped to ISO elements.
- Select information from the model to provide the necessary level of information to create Discovery metadata
- A simplified mapping is now available and IPET-SUP-2 is invited to provide comments in a splinter session
- The Metadata TF is in the process of developing examples based on the simplified mapping to selected satellite data.



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- An important issue discussed in the TF is whether to represent information directly related to the satellite and instrumentation in the simplified information model, noting that these elements may be covered by the future WIGOS metadata
- The recommendations of the TF are:
 - To use the free text field “Abstract” in the ISO Discovery metadata to provide a sufficient level of information regarding the instrument and platform. Define guidelines to structure the abstract.
 - Reference (link) additional more complete instrument and platform information from the metadata
- Examples are available in the product examples and will be provided to the splinter session.



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- Way Forward
 - The finalized information model will be submitted to IPET-MDRD in May 2016 for endorsement and for inclusion in the Guide to the WIS
 - Write guidance documentation to create discovery metadata for satellite products: web pages documentation and examples
 - The Guide to the WIS will be endorsed by ICT-ISS (in June 2016) on the way to CBS-16
 - The Task Force will continue to develop specific guidance and best practices for metadata implementation by satellite operators





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Thank you for your attention

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