

ET-WDC Meeting Report

WebEx Teleconference on 11 July 2017

Report finalised on 28 September 2017 by Geir Braathen and Jörg Klausen.

Agenda

0. Adoption of minutes

1. Meeting of ET-WDC 2017 (all, 10')

- Duration: 3 - 3.5 days
- Location: met.no?, NILU?
- Objective: Develop and agree on work plan with milestones and deliverables
- 12-14 September, or
- 18-21 September, or
- 25-28 September, or
- 2-5 October

2. Status WIGOS metadata schema (jkl, 15')

3. Progress of TT-ACV and variables discussion within WMO (MS, jkl, 10')

4. Tour de table (all, 5' each)

- WOUDC
- WDCGG
- WRDC
- WDCPC
- WDC-RSAT

- WDCA
- WDCRG
- Sandy Starkweather
- Øystein Godøy
- Judd Welton

5. Next telephone conference

Minutes

Participants

- Jörg Klausen (Chair)
- Geir Braathen (rapporteur)
- Mikio Ueno
- Anatoly Tsvetkov
- Ellsworth Judd Welton
- Markus Fiebig
- Sandy Starkweather
- Tom Kralidis
- Martin Schultz

Apologies

- Kjetil Tørseth
- Øystein Godøy
- Vincent-Henri Peuch
- Julian Meyer-Arneke
- David Gay

As a follow-up from the previous telecon, here are links to relevant WIGOS pages:

- https://www.wmo.int/pages/prog/www/wigos/index_en.html
- <https://oscar.wmo.int/surface/index.html#/links>

0. Approval of Agenda and minutes of last meeting

The minutes of the previous meeting were approved with some editorial changes. The agenda was approved.

1. Meeting of ET-WDC 2017

It was agreed to hold a meeting over 3-3.5 days at NILU, Kjeller, Norway. The objective of that meeting will be to develop and agree on a work plan with milestones and deliverables. The meeting will take place from Monday 2 October to Thursday 5 October.

2. Status WIGOS metadata schema

Jörg showed the metadata diagram on the screen. Except for the header all the entries are optional. One must specify to which station equipment belongs. The schema can be facility-centric or instrument-specific. Both perspectives are supported. Klausen explained the various entries, such as:

Feature type: Observing facility. Can also accommodate split stations (Pallas/Sodankylä)

Data type: Observing capability.

There was then some discussion about what is a data type and a feature type. All is expressed in XML. An almost finished skeleton is available.

Technical documentation is available that describes the schema. Dominic Lowe and Tom Kralidis have helped out here. There is never one unique way of doing things.

There is currently agreement to freeze the model and to start to test it and produce XML files. In the autumn we will revisit what works and what does not.

RC6 is the tag we should work with.

Question from Geir Braathen posed a question concerning the line of command between the various committees dealing with WIGOS.

Jörg Klausen answered that this is complicated for the time being and that CBS will formally approve this next year.

Martin Schultz asked that one should make web pointers to where one can find relevant documents.

Markus Fiebig and Jörg Klausen replied that there is technical documentation and a definition of vocabulary. Tom Kralidis wanted to know where the templates will be stored and Jörg Klausen explained that we should develop our own files and test this out.

Geir Braathen asked where the project hut is. Jörg Klausen responded that the Project hut is password protected. He informed about the URL. More recently it has been moved to this address: <http://schemas.wmo.int/index.php?dir=/wmdr/1.0RC6>

No password is needed anymore.

3. Progress of TT-ACV and variables discussion within WMO

Martin Schultz informed that a telecon for the TT-ACV took place about 3 weeks before the ET-WDC telecon.

- Three vocabulary lists have been set up on <http://testwmo.codes.int>, which was presented, including the Thesaurii GEMET and OFM. One of the lists is the Oscar surface variable list.
- WMDS variable list relevant to atmosphere has been dissected into species and medium
- Distinguish between an observed variable with its context and the quantity itself

With respect to the relationship between the TT-ACV and the TT-ObsReq, the former defines the terms, the latter the content.

Aerosols have been identified as a difficult area where vocabularies are not yet properly established. There is a need to propose to SAGs to review these vocabularies. This is a task for Martin Schultz and Jörg Klausen.

Judd Welton wanted to know how does the TT-ACV team relates to GAW. Martin Schultz explained that the TT-ACV is concerned with semantic description and he mentioned some examples, such as temperature.

Judd Welton informed that there is confusion in the area of aerosols and that this is an issue in GALION.

Jörg Klausen informed that lidar variables need to be reflected in the WIGOS standards. As an example, reflectivity needs to make it to the vocabulary and he added that requests can be addressed to Jörg Klausen or Karl Monnik.

Martin Schultz opined that we should understand the various groups working on these topics and Jörg Klausen made an action item for himself and Martin Schultz to take these question to the next vocabulary group meeting.

4. Tour de table

In the interest of time, participants were requested to provide input by e-mail (by 16 July). One input was received on 11 July:

WDCA (Markus Fiebig)

At the WDCA they are working on an OpenDAB solution with the aim to:

- Increasing the number of stations and variables reporting in NRT
- Introducing DOIs
- Establishing SSO
- Documenting provenance and the whole work-flow

5. Next Telecon second half of August

The purpose of the August telecon was to develop agenda for physical meeting in October. No telecon was held, but the agenda for the October meeting has been developed through email communication. A Doodle was set up to define the most suitable dates for the physical meeting and it will take place from 2 to 5 October at NILU, Kjeller, Norway.