8th Teleconference of ET-WDC, 17 June 2014, 12:00-13:30 UTC

Invited

Jörg Klausen (**jkl**, chair), Tony Colavecchia, (**tc**, WOUDC), Hiroshi Koide (**hk**, WDCGG), Markus Fiebig (**mf**, WDCA), Anatoly Tsvetkov (**at**, WRDC), Van Bowersox (**vb**, WDCPC, Rapporteur), Julian Meyer-Arnek (**jma**, WDC-RSAT), Vincent-Henri Peuch (**vhp**, ET-NRT-CDT), Geir Braathen (**gb**, WMO), Martin Schultz (**ms**, FZ Jülich)

Guest

Rainer Steinbrecher (TT-WQM, ICG-WIGOS TT on WIGOS Quality Mgt), joining at 12:30 UTC

Excused

Anatoly Tsvetkov (**at**, WRDC), Vincent-Henri Peuch (**vhp**, ET-NRT-CDT),

Agenda
- **Minutes of Tokyo Meeting**
> Approved

- **DOI and PID (Julian)**
> Julian used a PowerPoint presentation to describe Digital Object Identifiers (DOI) and to summarize the WDC-RSAT application of this technology. DOI is governed by the International DOI Foundation (http://www.doi.org). Though a registration fee is required, the WDC-RSAT currently benefits free of charge from an arrangement with the German registration agency. For the WDC-RSAT, it was decided that a DOI should cover one year of data. A new DOI would be needed if there were a significant change in the data. Large projects may require DOIs for each subset of data, with a single DOI identifying the entire project. Appropriate links connect the subsets to the larger project DOI.

Discussion
HK asked whether the DOI must be updated with each change in a time series and the response was that a change in the time series (data values) would require a new DOI.

DOI versus data policy: The DOI URL points to a "landing page" where issues related to data usage, restrictions, etc., can be identified.

Geir raised a question about DOI-granting agencies in host countries. How many agencies are there and where can one learn about them. Julian offered that the number of agencies depends on the country. Jörg provided this link to a discussion of DOI:
https://en.wikipedia.org/wiki/International_DOI_Foundation, and this one for the list of registrars: http://www.doi.org/registration_agencies.html. Markus provided this link to the DOI list of registrars under DataCite, a member of the International DOI foundation: https://en.wikipedia.org/wiki/DataCite.

Geir asked about the duration that data are archived as DOIs. Julian's understanding is that DOIs are maintained for 25 years. Long-term archiving is part of the registration process.

Costs will vary for each WDC, related to the differences in the payment conditions of national registration agencies, each WDC's data archived, data changes, projects, etc.

A2014-22 (1) Each WDC should investigate the availability and cost of using Digital Object Identifiers for its datasets. (2) WDCs should determine who would assign DOIs, given the different data types and complexities in each WDC.

- **QA/QC flags (Tony and Rainer Steinbacher, guest)**
> Tony began by reporting that the WOUDC is developing and implementing a system of QA/QC flags for ozonesonde data. Presently, each WDC has a system tailored to its own data sets and needs. Discussion are underway within WMO to attempt to harmonize the QA/QC fluffing systems in use.

Rainer Steinbacher described an effort by TT-WQM to harmonize QA flagging based on a simple numerical scheme with quality levels ranging from1 to 6. This scheme was developed at a workshop in Langen, Germany last fall. The simple system is being "distilled" from a system in which approximately 70 flags are applied. The concern is how this system might apply more broadly to WDC data sets, given the different types of data and different user communities. Rainer explained that this system remains under discussion and it continues to evolve. Rainer has been communicating with Martin about this effort.

ACTION
A2014-23 Rainer was asked to provide a draft of this numerical QA/QC flagging system. Each WDC should review this draft and send comments to Jörg by 31 July 2014. Jörg will attempt to harmonize these comments into a single ET-WDC response by 23 August 2014.

[Tony leaves teleconf]

- **Changes at WDCA and implications for metadata exchange (Markus)**
> Markus reported that the WDCA database is undergoing substantial upgrades with large improvements in metadata accessibility. The target for full implementation is 31 December 2014. Jörg asked if there is a document that describes the implementation. Markus will send document with specifications to Jörg.

- **Progress on liaising NADP and CAPMON with GAW and GAWSIS (Van; Geir for SSC)**
> Van reported on what he's learned from the NADP Website and database manager. The NADP data manager has agreed to write NADP metadata to a file where it can be fetched by GAWSIS personnel. This would be done on an as yet to be determined periodic basis, though updates would be effected no more frequently that once per month.

Geir reported that the proposal to adopt NADP as a contributing GAW network was not discussed at the recent SSC meeting. Oksana has sent an e-mail seeking SSC action on this item. To date there have been no objections to accepting NADP as a contributing network and the expectation is that the SSC will approve this action.

As to CAPMoN data and metadata, Van is unaware of whether there is an extant agreement concerning CAPMoN as a contributing GAW network. Geir, too, is unaware of an agreement. Van did report that Dave MacTavish had retired as manager of CAPMoN and that change are inevitable. MacTavish had previously expressed disinterest in working with GAW.

ACTION

- **Update on GAWSIS and OSCAR (Jörg)**
> GAWSIS metadata page has been updated with links to vocabularies (https://sites.google.com/site/wmoetwdc/metadata). As to GAWSIS and OSCAR, a Greek company (with Swiss PL) has been selected as an external partner. A kickoff meeting will occur next week with specifications and realization by the fall of 2014.

- **Report from metadata meeting in Jülich (Jörg; Geir for SSC)**
> This informal workshop was a follow-up meeting on the Dublin meeting of the GEO AQ CoP in 2012 and the ET-WDC meeting in Tokyo in 2014, and discussed the best way forward for the establishment of controlled vocabularies and ontologies for metadata for atmospheric composition and air quality. The meeting identified the most important stakeholders and reviewed existing efforts in the field. The meeting took note of the code list server operated on behalf of WMO by the UKMO (http://codes.wmo.int/), which at present covers WMO Pub 306 (Manual on Codes). It was agreed that WMO is indeed best positioned to oversee the governance of controlled vocabularies, but that clearly communities outside WMO (GEO, GCOS, EEA, academia, etc.) need to be involved. The meeting also discussed differences and difficulties in applying the international standards for geographical information, including the ISO, OGC, WMO core and WIGOS metadata standards. It was agreed that an international committee should be established to develop and agree code lists and ontologies, and a proposal to that effect was submitted to the WMO CAS EPAC SSC in June 2014.

- **Data and metadata access at WRDC (Anatoly)**
> Anatoly was excused, due to other obligations. Jörg reported that Anatoly has added an HTML list of data availability to the WRDC Website.

- **Open action items ET-WDC**

Action Item A2014-02: Clarify status of submission of Japanese PFR data to WDCA [MF, HK, bi-laterally] open, being worked on

Action Item A2014-03: State the data archive hosting the data next to the data series in the measurement program section of the GAWSIS station report [JK, asap] open

Action Item A2014-04: Revise the draft GAW metadata profile according to recommendations [JK, asap] open

Action Item A2014-05: Validate links between parameters and CF standard names, and submit any changes to JK for inclusion in the GAWSIS name table [All WDCs, by 31 March 2014]

Action Item A2014-06: Submit any new names to CF [All WDCs concerned, by 31 March 2014]

Action Item A2014-07: Prepare doc 5.4 and submit for discussion to ET-WDC [JMA, asap] --> jkl to put document on web site

Action Item A2014-08: Obtain guidance on how to address requests for commercial use of data from EPAC SSC [JK, next meeting]

Action Item A2014-09: All WDCs are required to post the current GAW data policy statement, unaltered, on their respective web sites [All WDCs and GAWSIS, 28 February 2014]

Action Item A2014-10: Draft an amendment to the GAW data policy requiring the quotation of a data acknowledgment statement for use in publications and request SSC EPAC to endorse it. [JK/MS, before next meeting of SSC EPAC]. → e-mail regarding A2014-08 and A2014-09 written to Greg after SSC meeting, result pending

Action Item A2014-11: Provide input for empty sections in document [WDCPC, WDCA, WRDC, 31 March 2014] open

Action Item A2014-12: Create a mechanism for users to share conversion software [MS and JK]

Action Item A2014-13: Develop a GAW Data Quality Report by end of 2014 [JK to coordinate, all WDCs to contribute]. First milestone: Develop an outline based on doc 6.1, 6.2, 5.8 [JK, June 2014]

Action Item A2014-14: Develop a consistent data quality assessment scheme based on WOUDC approach [MS and TC to coordinate, all WDCs to contribute, September 2014]

Action Item A2014-15: WDC managers to share their list of metrics, ideally supported by charts, screenshots, documentation available [HK to coordinate and compile, September 2014]

Action Item A2014-16: Confirm with Secretariat and inform ET-WDC how the Secretariat can provide support in chasing silent stations to submit their data [GB, April 2014]

Action Item A2014-19: Describe the vision in a short paragraph to define the scope [JK, asap]

Action Item A2014-20: Develop the strategy report (internal) as input for scoping our contributions to the next GAW Implementation Plan [TC, with contributions by all, December 2014]

Action Item A2014-21: Schedule next meeting and teleconferences [JK, asap] done

-Report by Geir on SSC

SSC members include Greg C, Paul Monks, Carla Longo (INT), Melita Keywood, Kobus Pienaar (ZA), Zhang Xiaoe

A glossy brochure commemorating GAW's 25th anniversary is in preparation.

- **Future meetings**
 23 August 2014
 mid-October 2014