

5thTelecon of ET-WDC, 20 June 2013, 12-13:30 UTC

Participants

JörgKlausen (**jkl**, chair), Tony Colavecchia, (**tc**,WOUDC), Hiroshi Koide (**hk**, WDCGG), Markus Fiebig (**mf**, WDCA), Van Bowersox (**vb**, WDCPC, rapporteur), Julian Meyer-Arneke(**jma**, WDC-RSAT), GeirBraathen (**gb**, WMO),

Excused

Anatoly Tsvetkov (**at**, WRDC), sent PowerPoint presentation; Martin Schultz (**ms**, FZ Jülich)

Agenda

1. Denote rapporteur →vb
2. Agenda adopted by acclamation
3. Minutes of the 4thteleconference (Feb 2013) accepted by acclamation
4. Report by jkl, chair
 - GAW2013 symposium (Geneva, Mar 2013)
 - i. Jkl gave two presentations with input from ET-WDC members (thanks to all for contributions prior to and during the meeting)
 - ii. Tc cited comments by Michel Beland about “our community killing itself with all the different data centres” and emphasized the need for further integration of metadata and mechanisms for data access → discuss under agenda items 6 & 7
 - iii. Jkl encouraged all ET-WDC members to review the material on the web
 - Joint Steering Committee(JSC) meeting (Geneva, Mar 2013)
 - i. JSC primarily reviewed GAW2013 symposium in light of the CAS session in November 2012. Issues (A2012.13, A2013.09) raised by jkl were not discussed →need to prepare documents to the attention of JSC chair Oystein Hov for treatment via e-mail correspondence
 - ii. May 2013, WMO invited jkl to serve another 2 years as chair of ET-WDC with the request to review membership. WDC managers are core members, what about additional members? →**A2013.17: ET-WDC members asked to send nominees to jkl by 31 July 2013.**
 - GAWSIS
 - i. Requirements review on GAWSIS (thanks to Van, Hiroshi for responding and thanks to Lucia Cappelletti for coordinating this effort)
 - ii. NDACC metadata intake re-visited → identification of contacts improved; will re-visit other metadata sources ASAP (WDCA vs EBAS; issues with disambiguation and unique keys)
 - iii. Effort on the GAW Profile → deferred discussion until later

- TT-WMD
 - i. Work is progressing on WIGOS metadata standards; jkl represents GAW in this process and will apprise ET-WDC members of the standards for review and comments.
 - ii. jkl tries to protect elements important for GAW (e.g., on instruments and data chain), and to welcome additional items useful for GAW (e.g., environment)
 - iii. Tc requested that we discuss metadata standards at the January 2014 ET-WDC meeting in Japan.
- Other activities relate to existing action items → deferred discussion until later
 - i. Hk reported: TT-MDRP (Toyoda) holds meeting next week at JMA
- 5. Report of recent activities by ET-WDC members
 - WOUDC (tc)
 - i. GAW report 193 on reporting total O₃ in nrt
 - ii. Identifying “outstanding contributors” and working with SAG-Ozone to follow up
 - iii. Enhancing data access: a) mirroring and converting data from NDACC and EUVDB to WOUDC format, b) renewing the data centre (following review), including the implementation of web services
 - iv. Creating automated quality assessment (e.g., range checks) for ozonesonde data
 - v. Discussion/comments: a) jkl would like WDCs to report quality assessment activities on Websites and requests that this be added to the agenda of the January 2014 ET-WDC meeting in Tokyo, b) gb reported that the number of ozone-reporting stations continues to decline.
 - WDCGG (hk)
 - i. Meetings attended:
 1. GAW 2013 symposium and JSCOPAGEPAC, March 2013 in Geneva
 2. GGMT-2013 and SAG-GHG, June 2013 in Beijing. Hk presented oral and poster presentations on WDCGG and plans for reforms. Discussions at GGMT focused on how to ensure the fair and proper credit for use of GHG (and related gas) data. In discussions with colleagues from NOAA/ESRL and ICOS Atmospheric Thematic Center, hk found many common interests related to data center/data archive activities; e.g., request that simple registration be implemented. There is an ongoing effort to introduce DOIs system for data credit, though hk needs further study of this system (see <http://www.arm.gov/data/docs/doi-guidance>, for further information). The SAG-GHG discussed CF metadata nomenclature and definitions but made only a small amount of progress.

- ii. Toyoda will host a meeting of the WMO/WIS TT-ApMD (Task Team on the Application of Metadata) next week in Tokyo.
 - iii. In August, hk will provide information on the logistics for our January 2014 ET-WDC meeting in Tokyo.
 - iv. Discussion/comments: Joerg will compile an agenda for the Tokyo meeting. Plan for sessions on reforms of WOUDC, WDCGG, and GAWSIS.
- WDCA (mf)
 - i. Data exchange between WDCGG and EBAS, as the European node of WDCGG, has been established. **AI 2013.07 has been completed.**
 - ii. Progress is being made on the process for defining and approving CF standard names for the GAW aerosol variables.
 - iii. Upgrade of the database (DB) infrastructure is progressing and January 2014 is the tentative date when WDCA will switch to the new DB system.
 - iv. Discussion/comments:
 - 1. GAW policy requires that data providers be given co-authorship, when there is “substantial use” of GAW data; though the definition (or threshold) for “substantial use” is not defined. There may be a written document coming out of this.
 - 2. How to address dormant stations (i.e., no data submissions for 2 or more years) is a problem affecting all WDCs. Potential solutions to re-engage GAW stations include communications involving (a) selected SAG members and/or (b) the WMO Secretariat. Jkl urged the need for concerted action, especially since a dormant station may contribute data to more than one WDC. **Jkl→ A2013.17 draft a plan to organize the process for addressing dormant stations (August 2013).**
 - 3. Jkl proposed that WDCs make metadata requirements clear to all contributors. Harmonizing WDC and GAWSIS requirements is advised. Jkl urged all to share their plans and schedules for implementing metadata requirements, since each WDC is in a different stage of planning and implementation in this process; e.g., GAWSIS, WOUDC, WDCGG are on similar time scales (target implementation by summer), whereas WDCA is already in implementation phase. At this point, there was no resolution of this item.
- WRDC (Geir, for Anatoly)→ see presentation provided by Anatoly (<https://sites.google.com/site/wmoetwdc/2013-telecon-5>)
- WDC-RSAT (jma)

- i. Data centre is being re-designed, encompassing both the technical workflow and usage of the portal.
 - ii. In the process of building a research infrastructure in collaboration with the French NDACC community. Data policy issues have been confronted in this process. Jkl urged the need for a draft data policy → **jma to review A2012.13 and draft input on data policy (August 2013).**
 - iii. Discussion/comments: how are GAW and WMO station identifications related? Jkl explains that WMO IDs are the ones in Vol A. There is an ongoing process to establish a new system within WMO, since these IDs are insufficient.
- WDCPC (vb)
 - i. SAG-PC met in Chicago in May
 - 1. Manuscript on a global assessment of atmospheric deposition has been completed and submitted to a journal for peer review and publication. The assessment focuses on deposition in two 3-year periods (2000-2002 and 2005-2007) and addresses wet and dry deposition and relevant comparisons with model output (HTAP) data.
 - 2. The policy of “no secondary distribution” of data was re-iterated, though it was decided to post the assessment data sets on the WDCPC Website, pending publication of the assessment manuscript. Further, the SAG expressed interest in preparing and making available 5-year, quality-assured data sets for model evaluation and assessment purposes.
 - 3. Process of developing a MoU for establishing the relationship between GAW and the U.S. National Atmospheric Deposition Program (NADP). Rick Artz, NOAA-ARL, is seeking ways for communicating NADP metadata with GAWSIS → **an extension of A2012.09.**
 - 4. WMO Report 160 (*Manual for the GAW Precipitation Chemistry Programme*) needs to be updated and the SAG wants this to be a “living document.” WMO has a precedent for this with the CIMO guide → **vb to contact Isabelle Ruedi (iruedi@wmo.int) for more information**

6. Status of Action Items (all)

- 2012.08: open - completion expected in a few weeks
- 2012.09: open - vb (lead) to contact jkl over the summer
- 2012.10: open - vb to work with SAG-PC in an effort to make progress by September
- 2012.11: open - tc&jkl to agree bilaterally on CF variables for WOUDC in July
- 2013.12: open - SAG-GHG considered some CF vocabulary items with two suggestions: "mole_fraction_something_in_dry_air" is better than "mole_fraction_something_in_air"

and measurement of isotopes should be "isotopic_ratio_of_something" not "mole_fraction_of_something".Hk and jkl to work on bilaterally in July

- 2012.13: open – need to prepare short document for presentation to JSC; jma will prepare draft for consideration before next teleconference
 - 2012.14: completed
 - 2013.01; open – gb to send brief update and notify the group when action is completed
 - 2013.02, 2013.03, 2013.04: open – procedure needed to improve precision of station coordinates; jkl to provide gb with a table of Vol A and GAW SIS coordinates that do not match; clarification needed on station versus instrument coordinates; gb to follow up by end of August;
 - 2013.05: open – jma to prepare draft document that will help focus the discussion on pros and cons of DOIs for further ET-WDC consideration
 - 2013.07: completed
 - 2013.08: open – tc (by end of July) to prepare data flow diagram, which will then need to be adapted for each WDC
 - 2013.09: open – will be considered by meeting at JMA, hosted by Toyoda
 - 2013.10: open – jkl to re-visit item in the context of A2012.08
 - 2013.11: open – hk to communicate status to jkl (NB: the other open question concerning additions to code table 16 of WMO Core Metadata Profile is listed as A2013.18)
 - 2013.14: open – hk will contact tc and let jkl know of progress
 - 2013.15: open – tc to contact jkl to re-send questionnaire
 - 2013.16: completed – WOU DC to use GAW IDs in re-design (note: if new WMO ID is adopted, all GAW IDs may need to be changed)
7. Future Work (all) – time constraints precluded addressing this agenda item
8. Other Business (all) – hk reported that DOIs were implemented by US Department of Energy. Hk will distribute information to ET-EDC team members.
9. Review of Decisions – agenda item omitted
- → new action items A2013.17, A2013.18
10. Future Meetings
- Teleconference 6 scheduled for 5 September 2013
 - Meeting planned for 21-23 January 2014, JMA, Tokyo – items for consideration
 - i. how to manage the WIGOS metadata
 - ii. quality assessment at data centres
 - iii. Status of renewals at WDCGG, WOU DC, WDCA, GAW SIS, WDC-RSAT