

2018-06-26 ET-WDC Telco

Montag, 25. Juni 2018

14:41

Participants

- Jörg
- Julian
- Vincent-Henri
- Tom Kralidis
- Kjetil
- Greg
- David Gay
- Geir

- excused
 - o Martin Schultz
 - o Oystein Godoy

Agenda

1. Welcome
2. Minutes of last telecon
3. Status of (N)RT document
 - a. Feedback received from Tom, Kjetil
 - b. Feedback received from Greg, Vincent-Henri
4. Next steps
5. Next telecon (5 July , 11-12 UTC)

Notes

1. Welcome (jkl)
 - Welcome to everyone, special welcome to Greg Carmichael and Vincent-Henri Peuch.
 - o Greg is on the call as chair of SSC
 - o Vincent-Henri is a member of ET-WDC, but he is also chair of SAG Apps and responsible for CAMS at ECMWF. In this capacity, he manages the GAW4CAMS contract currently under discussion.
2. Minutes of last telecon
 - ..
3. Status of (N)RT document (<https://drive.google.com/file/d/1wZeLLR9ojEIM1Pzc1Gvw6QRQjrWB4AAe/view>)
 - Recall, the objective is to agree a document that can be submitted to SSC for endorsement ... that can serve WDCs and other centers as a strategic directive by the GAW Programme regarding their role in (N)RT data delivery
 - Feedback received from Tom, Kjetil
 - o Tom's comments were made in the text and you have seen them. Mostly of editorial nature, no general reservations expressed
 - o Kjetil's comments express fundamental reservations, organized in 3 sections:
 - A) the need for a specific "strategy" on NRT-data management, and where alternatives to the established approaches are brought up for discussion,
 - B) the specific references to Copernicus CAMS as a basis for a GAW strategy and
 - C) matters related to data policies and licenses
 - Kjetil decided to withdraw as a co-author of the document

- No other feedback received, and this is taken as agreement.
- Feedback received from Greg, Vincent-Henri
 - Greg
 - NRT data facilitate a lot of activities, thanks the team for preparing this document in response to Greg and Oystein H
 - Recognizes that data are distributed in NRT, but argues that chemical data need to be integrated as close as possible into meteorological operations so that they are not considered as less important, thus need to address the RT applications for operational assimilation, encourages the group to tweak the document in such a way and to use the same technology/mechanisms
 - VHP
 - Subscribes to all Greg said
 - From SAG Apps perspective, the RT (<3 hrs) objective is to use exactly the same pipeline as weather data
 - This is also something that ECMWF wants
 - For NRT (within 1-2 days), other mechanisms can be used
 - As CAMS manager, he doesn't want to prescribe any specific solution, but wants full endorsement from WMO
- Discussion
 - Kjetil
 - Agrees to what has been said, but comments on the distribution, i.e., the WIS system; not a problem, can adjust to GTS, doesn't want to create a new data format; can then setup direct delivery by the NMHSs, but also to the WDCs.
 - No need for new conventions
 - VHP
 - Complete agreement that there must be a single approach, a common reference framework, and feels there is no disagreement [on this principle]
 - Difference in perspectives in the way, data is gathered. Kjetil suggests centralization at the WDCs from the start and then distribution; other approach, namely current approach of NMHSs is dissemination by national entities on the GTS, operational users in need for RT access can have direct access
 - one key user are the WDCs
 - Kjetil
 - Distribution is the final step in the process, most GAW data providers have no access to the GTS/WIS
 - Jkl
 - Explains the modular approach to an end-to-end solution, involving processing of raw data and automated quality control as an important part of an end-to-end solution.
 - Greg
 - Need for RT not sufficiently addressed in document yet, but is a must
 - Wants to see a similar process as for weather data for chemical data
 - Role of the data centres is to fill this gap [in cases where access to GTW/WIS is not possible]
 - Have a single point of contact for users, such as the WDCs, will remain important
 - Doesn't really see the conflict
 - Kjetil
 - Under the WDCs, NILU has spent more than 10 years developing solutions
 - Documented in many reports
 - Argues that this NRT document is starting from scratch, and that he has not been involved (jkl: this is not true, all ET-WDC members were requested to improve the draft, but someone had to write it)
 - VHP
 - For operational services, a distributed system is advantageous because it reduces the

- risks of single point of failure
 - What is the advantage of a centralized solution?
- Kjetil
 - Agrees
 - Cannot have different formats, different naming conventions
- VHP
 - Agrees that only one format must be used
- Greg
 - At the highest level, he seems to understand that everyone agrees, wants to see multiple entry points for the process, with a single end format
 - Need references to existing reports
- Geir
 - Last telco agreed to take out reference to GAW4CAMS
 - Q to NILU: what does it mean in practice that they are a DCPC?
- Kjetil
 - DCPC function of NILU/WDCA/WDCRG mainly for discovery metadata at present, but a data service is being set up
 - Processing chain at NILU involves submission in NASA Ames
 - Supports a parallel distribution directly to GTS and NILU
- Jkl
 - Need an open, transparent documentation of the steps in the process chain, so that the same processing steps can be implemented regardless of whether data flow from the station directly to the GTS/WIS or through a WDC
- Greg
 - WDCs as SPOC for users/applications is very important
 - There is a need for better sharing the processes and algorithms
 - Simultaneous submission onto the GTS/WIS and the WDCs is something we can agree too.
 - Modular components work-flow is absolutely needed, take advantage of what is already available

4. Next steps

- Update the document [jkl]
 - Emphasize the need for RT processing and distribution of chemical observations for assimilation and other services
 - Highlight the role of GTS/WIS and thus BUFR/CREX to align distribution of such data with weather data streams
 - Section on terminology before Motivation and Objectives
 - NRT vs RT
 - Operational service
 - Remove section "Role of the GAW4CAMS project", but refer to it in the Motivation and Objectives
 - Consider feedback by all ET-WDC (if received by 27 June 18 UTC, no further extensions)
- Distribute resulting final draft, solicit confirmation by co-authors listed (by 28 June, 18 UTC)
- Submit draft to SAG Apps for further review (by 1 July)

5. Next telecon (5 July, 11-13 UTC)

2018-06-26 / jkl