

Status of survey on Data quality control implemented by GAW World Data Centres and Contributing Networks

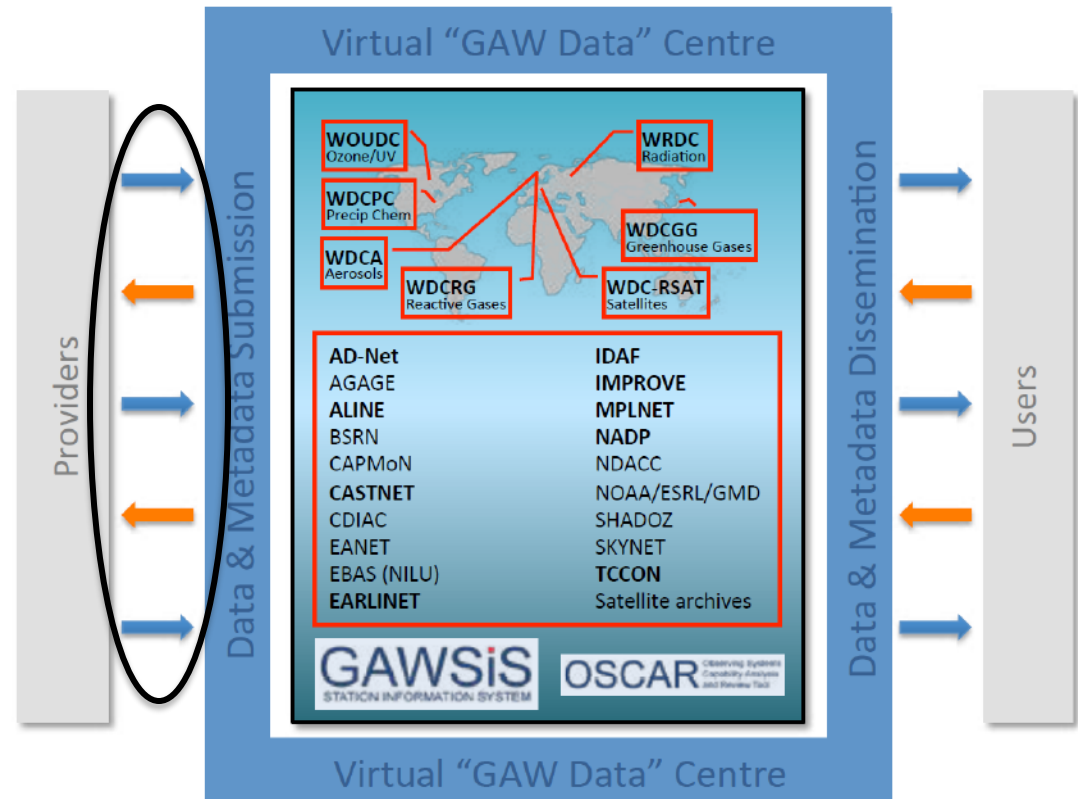


WMO OMM

World Meteorological Organization
Organisation météorologique mondiale

GAW Implementation Plan

A-DM-5. Ensure that data collected and archived by WMO/GAW WDCs and archives of contributing networks are of known quality, adequate for their intended use and documented comprehensively.



Questions

Responses 14

Data quality control survey among GAW World Data Centres and Contributing Data Centres

We are collecting information on how data are quality controlled upon receiving at your Data Centre/Network. We are also inquiring which automated tools are available for that in order to prepare a library of existing efforts. Please note that for the long-text answers a link to an existing online documentation will be sufficient. This survey is related to the GAW Implementation Plan item A-DM-5. Please note that we are collecting basic information to get an overview at this stage. Thank you very much for your input!

1. What is the name and website of your Data Centre or Network? *

2. Do you screen the submitted station data for quality control? *

☐ Yes

☐ No

Survey

- 11 questions
- Multiple choice and long text
- 14 responses received
- Links to documentation received from many centres

2. Do you screen the submitted station data for quality control?

[More Details](#)



5. Does your Data Centre use automated tools for screening the data?

[More Details](#)



Examples of applied QC

What is the data screened for?

- Metadata
- File format
- Completeness
- Units
- Environmental conditions
- Anomalous values (statistical)
- Detection limits
- Physically meaningful limits

Reaction to issues with the data

- Feedback to data provider
- Flag data
- Provide uncertainty parameters
- Reject/remove data

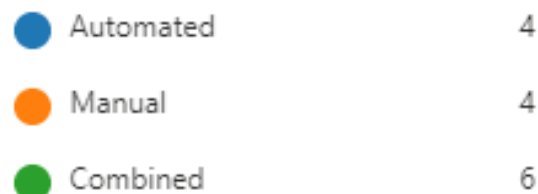
7. Do you do additional more in-depth assessment of quality control besides the initial screening?

[More Details](#)



8. If yes, how is this additional assessment of data quality done?

[More Details](#)



Additional quality assessments

More in-depth review

- annual, monthly, every 6 months
- Use additional information from site operators including calibration results
- External experts
- Multi-year evaluation to screen for trends and extremes
- Compare to other data sources (neighbouring station, satellite)
- Meetings to discuss the issues

Thank you for participating
in the survey

Next steps?

Thank you Merci



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