

# ET- $\Lambda$ CDM-4

28 Sep 2021

# 1. Welcome

- Contribution «Benefits of atmospheric composition monitoring and international data exchange» to WMO Bulletin coming out soon → big thanks to Claudia Volosciuk for another tremendous effort
- ET-Metadata has met with Wikimedia Foundation
  - Interest of Wikimedia to harvest OSCAR/Surface to populate their pages and increase impact of WMO WIGOS
  - <https://github.com/wmo-im/wikimedia-pilot/wiki/OSCAR-Pilot-ProjectCharter> → Please contribute!

### 3. Conclusions from GAW Quadrennial Symposium

- Meeting successful and interesting despite remote-only
  - ET-ACDM contribution to Session 4 «Enabling exchange and adequate use of data for observation based atmospheric research» well received
  - Work-shop /discussion session severely hampered by technical difficulties of moderator (jkl)
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- Further harmonization welcomed, but no guidance 'from above', expectation rather that ET-ACDM comes up with proposals
  - What is \*your\* conclusion?
  - How can we best organize ourselves to make progress?

## 4. Take stock of progress made during the summer on linking your various data centers with GAWSIS-OSCAR/Surface

- XML file upload to GAWSIS-OSCAR/Surface
- Plans agreed

- Individual solutions for various WDCs and other DCs for the old GAWSIS became obsolete with the launch in 2016 of the unified GAWSIS-OSCAR/Surface applications and the migration to the WIGOS metadata standard.
- In 2020, a consultant (Drasko Vasiljevic) hired by WMO GAW for 9 months assisted the WDCs and other DCs with the creation of compliant XML encoding of observation metadata and use of the API. This work is not yet complete.
- WDCGG follows a useful delineation and approach



- Diagram will be expanded / more specific for different user roles



WMO OMM

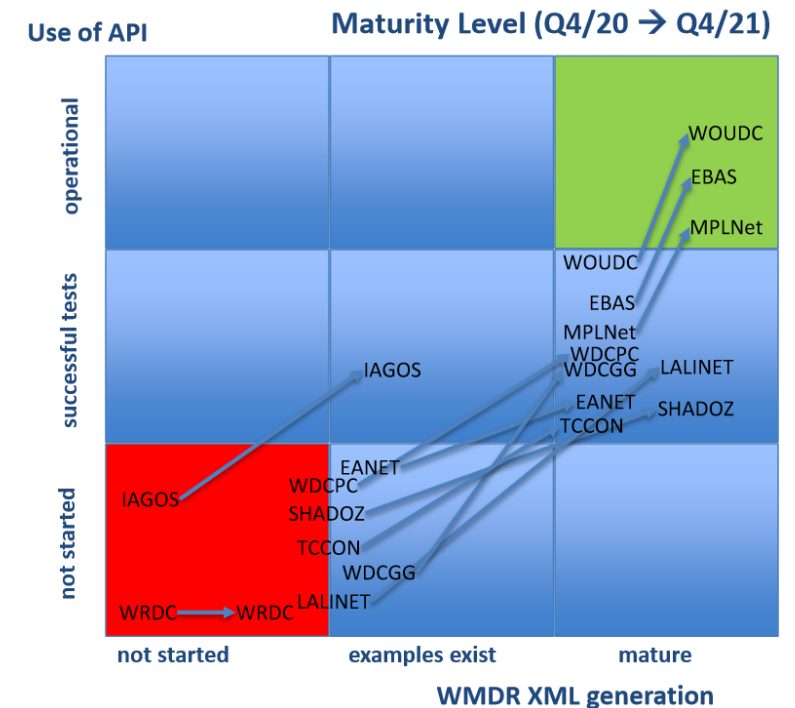
ACTRIS → ACTRIS

ICOS → ICOS

EARLINET → EARLINET

INDAAF → INDAAF

AD-Net → AD-Net



Notes:  
EBAS = WDCA + WDCRG + EMEP

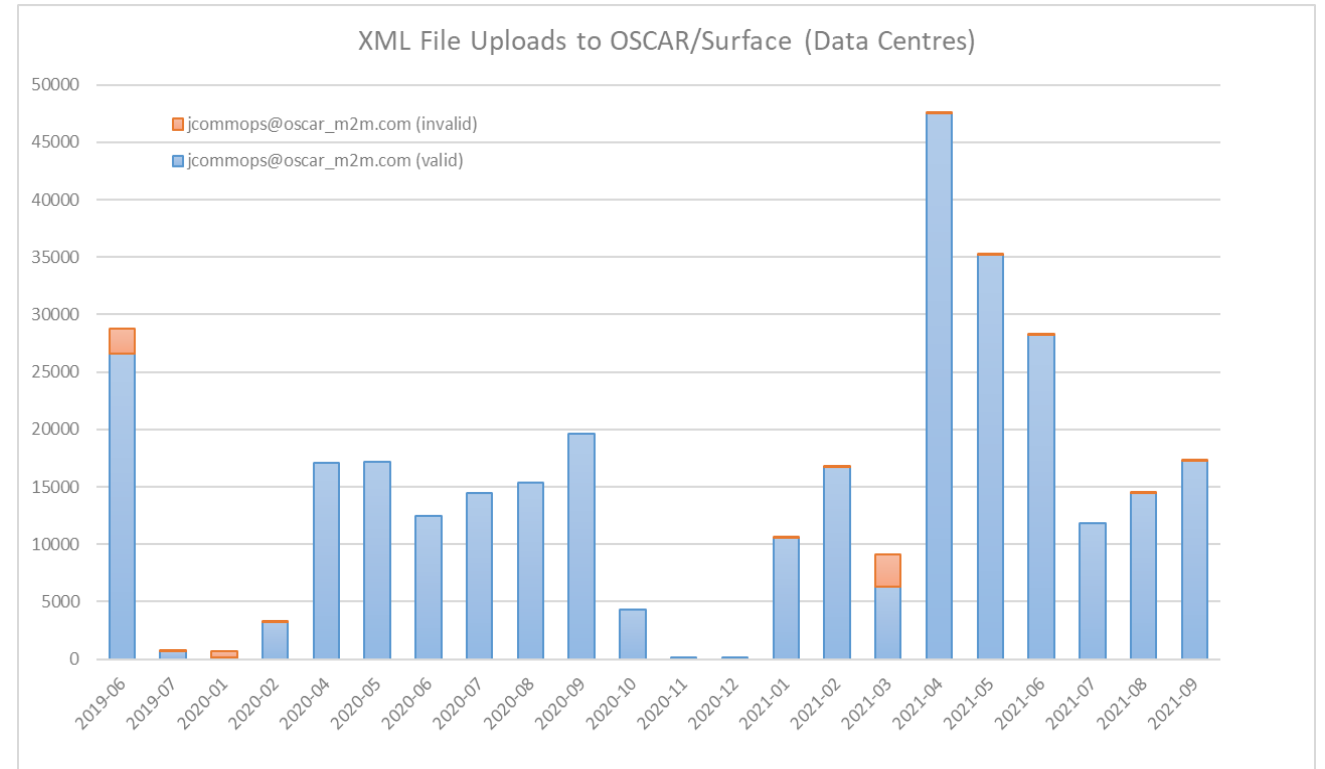
# XML file upload to GAW SIS-OSCAR/Surface

- statuses considered

- 1 SUCCESS
- 2 VALID\_XML\_WITH\_ERRORS\_OR\_WARNINGS
- 3 REJECTED
- 4 IN\_PROCESS
- 5 INVALID\_SCHEMA

→ None of the GAW(-related) data archives have followed up ... is this true?

→ What to do?



# 5. Assigning new WIGOS IDs

- References:
  - Manual on WIGOS (WMO No 1160, Attachment 2.2, [https://library.wmo.int/doc\\_num.php?explnum\\_id=10145](https://library.wmo.int/doc_num.php?explnum_id=10145) )
  - Guide to the WMO Integrated Global Observing System 10.3 GLOBAL ATMOSPHERE WATCH PROGRAMME (update 2021 in press, current version at [https://library.wmo.int/doc\\_num.php?explnum\\_id=10040](https://library.wmo.int/doc_num.php?explnum_id=10040))
- GAW has authority to mint WIGOS IDs of the form 0-20008-**nnn**-xxx, where **nnn = Issue**,
  - For Global, Regional, Local GAW stations: xxx = GAWID
  - For other networks: xxx = up to 16 alphanumerical characters (cf. Manual Attachment 2.2)
- GAWID managed by GAWSIS, existing and available IDs can be checked at
  - <https://oscar.wmo.int/surface/rest/api/stations/checkGAWID?q=xxx>
  - Returns [] if xxx already in use
  - Returns [{«id»:«xxx»,»text»:«xxx»}] if xxx is still available
- Secretariat has decided on the mapping for **nnn** for the programs, as defined under <http://codes.wmo.int/wmdr/ProgramAffiliation>

# Mappings for Issue for Issuer=20008

Issue	Name	WMDR notation
0	WDCs	--
1 ... 99	reserved	--
100	<u>ADNet</u>	<a href="http://codes.wmo.int/wmdr/ProgramAffiliation/ADNet">http://codes.wmo.int/wmdr/ProgramAffiliation/ADNet</a>
101	CASTNET	<a href="http://codes.wmo.int/wmdr/ProgramAffiliation/CASTNET">http://codes.wmo.int/wmdr/ProgramAffiliation/CASTNET</a>
102	EANET	<a href="http://codes.wmo.int/wmdr/ProgramAffiliation/EANET">http://codes.wmo.int/wmdr/ProgramAffiliation/EANET</a>
103	EARLINET	<a href="http://codes.wmo.int/wmdr/ProgramAffiliation/EARLINET">http://codes.wmo.int/wmdr/ProgramAffiliation/EARLINET</a>
104	IAGOS	<a href="http://codes.wmo.int/wmdr/ProgramAffiliation/IAGOS">http://codes.wmo.int/wmdr/ProgramAffiliation/IAGOS</a>
105	IMPROVE	<a href="http://codes.wmo.int/wmdr/ProgramAffiliation/IMPROVE">http://codes.wmo.int/wmdr/ProgramAffiliation/IMPROVE</a>
106	INDAAF	<a href="http://codes.wmo.int/wmdr/ProgramAffiliation/IDAF">http://codes.wmo.int/wmdr/ProgramAffiliation/IDAF</a>
107	LALINET	<a href="http://codes.wmo.int/wmdr/ProgramAffiliation/LALINET">http://codes.wmo.int/wmdr/ProgramAffiliation/LALINET</a>
108	MPLNET	<a href="http://codes.wmo.int/wmdr/ProgramAffiliation/MPLNET">http://codes.wmo.int/wmdr/ProgramAffiliation/MPLNET</a>
109	NADP	<a href="http://codes.wmo.int/wmdr/ProgramAffiliation/NADP">http://codes.wmo.int/wmdr/ProgramAffiliation/NADP</a>
110	TCCON	<a href="http://codes.wmo.int/wmdr/ProgramAffiliation/TCCON">http://codes.wmo.int/wmdr/ProgramAffiliation/TCCON</a>
112	NDACC	<a href="http://codes.wmo.int/wmdr/ProgramAffiliation/NDACC">http://codes.wmo.int/wmdr/ProgramAffiliation/NDACC</a>
113 ... 199	Reserved	

- Existing WIGOSIDs must be used first before creating new WIGOSIDs
- Need testers, please be in touch with [snetcheva@wmo.int](mailto:snetcheva@wmo.int), [joerg.klausen@meteoswiss.ch](mailto:joerg.klausen@meteoswiss.ch)

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200	AEROCAN	<a href="http://codes.wmo.int/wmdr/ProgramAffiliation/_AEROCAN">http://codes.wmo.int/wmdr/ProgramAffiliation/_AEROCAN</a>
201	German AOD Network	<a href="http://codes.wmo.int/wmdr/ProgramAffiliation/_germanAODnetwork">http://codes.wmo.int/wmdr/ProgramAffiliation/_germanAODnetwork</a>
202	PHOTONS	<a href="http://codes.wmo.int/wmdr/ProgramAffiliation/_PHOTONS">http://codes.wmo.int/wmdr/ProgramAffiliation/_PHOTONS</a>
203	<u>PolarAOD</u>	<a href="http://codes.wmo.int/wmdr/ProgramAffiliation/_polarAOD">http://codes.wmo.int/wmdr/ProgramAffiliation/_polarAOD</a>
204	<u>SKYNET</u>	<a href="http://codes.wmo.int/wmdr/ProgramAffiliation/_skynet">http://codes.wmo.int/wmdr/ProgramAffiliation/_skynet</a>
205	<u>SibRad</u>	<a href="http://codes.wmo.int/wmdr/ProgramAffiliation/_sibRad">http://codes.wmo.int/wmdr/ProgramAffiliation/_sibRad</a>
206	<u>CAPMoN</u>	<a href="http://codes.wmo.int/wmdr/ProgramAffiliation/CAPMoN">http://codes.wmo.int/wmdr/ProgramAffiliation/CAPMoN</a>
207	CLN	<a href="http://codes.wmo.int/wmdr/ProgramAffiliation/CLN">http://codes.wmo.int/wmdr/ProgramAffiliation/CLN</a>
208	EMEP	<a href="http://codes.wmo.int/wmdr/ProgramAffiliation/_EMEP">http://codes.wmo.int/wmdr/ProgramAffiliation/_EMEP</a>
209	SHADOZ	<a href="http://codes.wmo.int/wmdr/ProgramAffiliation/_SHADOZ">http://codes.wmo.int/wmdr/ProgramAffiliation/_SHADOZ</a>
210	<u>CIS-LiNet</u>	<a href="http://codes.wmo.int/wmdr/ProgramAffiliation/_CIS-LiNet">http://codes.wmo.int/wmdr/ProgramAffiliation/_CIS-LiNet</a>
211	ACTRIS	<a href="http://codes.wmo.int/wmdr/ProgramAffiliation/_ACTRIS">http://codes.wmo.int/wmdr/ProgramAffiliation/_ACTRIS</a>
212	AGAGE	<a href="http://codes.wmo.int/wmdr/ProgramAffiliation/_AGAGE">http://codes.wmo.int/wmdr/ProgramAffiliation/_AGAGE</a>
213	AERONET	<a href="http://codes.wmo.int/wmdr/ProgramAffiliation/_AERONET">http://codes.wmo.int/wmdr/ProgramAffiliation/_AERONET</a>
214	NOAA-GML	<a href="http://codes.wmo.int/wmdr/ProgramAffiliation/_NOAAGML">http://codes.wmo.int/wmdr/ProgramAffiliation/_NOAAGML</a>
215 ... 65555	Reserved	