

How to manage Information in OSCAR/Surface

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WMO OMM

World Meteorological Organization
Organisation météorologique mondiale

Outline

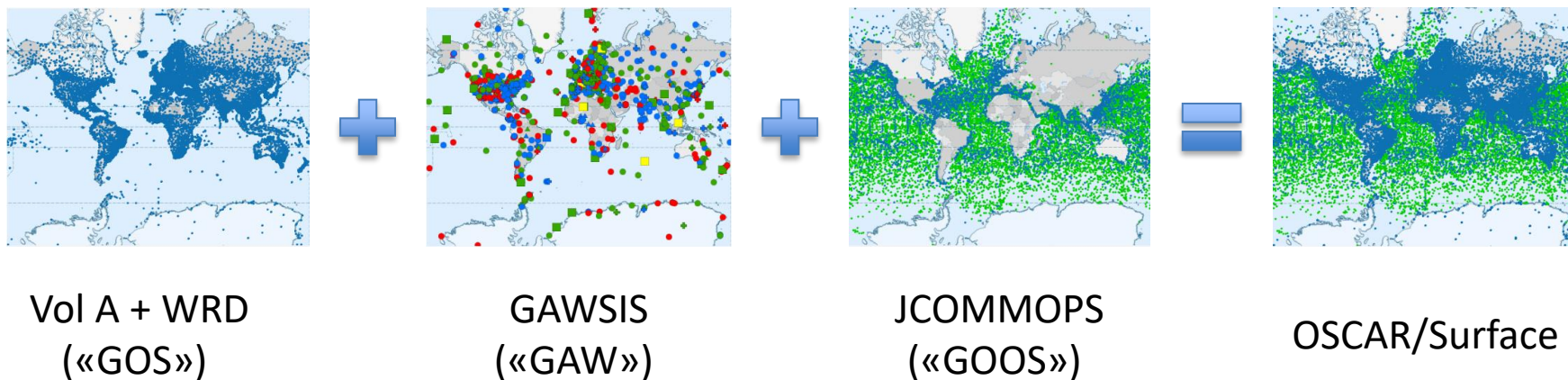
- Introduction
- Stations, unite!
- She can, I can't
- Historical information
- To the rescue!

INTRODUCTION



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OSCAR/Surface initial data integration



- Integrate first, then consolidate
- Potential duplicates between Vol A, WRD, and GAW
 - Members only know what is a duplicate

STATIONS, UNITE!



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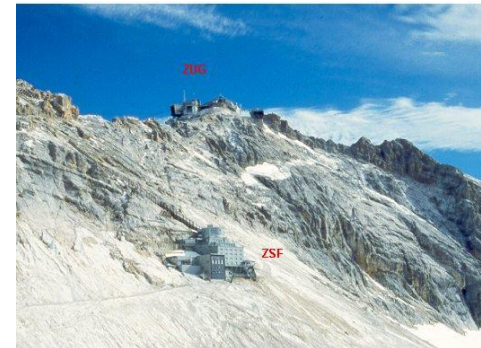
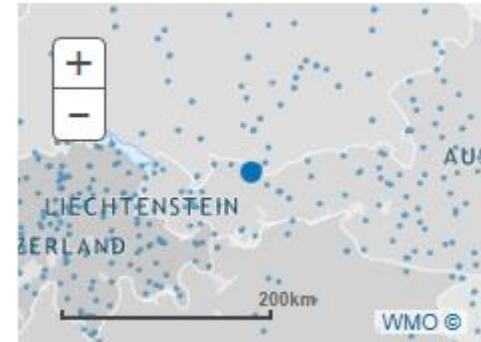
Speak to thy neighbour

- Use existing OSCAR entries if possible
 - Don't generate new stations unless there is a good reason!
 - Several organizations can share the same observing facility
- An observing facility can host many different instruments and serve several programs / networks
 - Station metadata should enable adequate use of observations
 - Various different observations can increase the value of each, so documenting them in one place is good practice
- More stations only mean more work!



Example

- A: ZUGSPITZE (0-20000-0-10961)
 - 47.4222222222°N, 10.9866666667°E, 2964m
- B: Zugspitze-Schneefernerhaus (0-20008-0-ZSF)
 - 47.4165°N, 10.97964°E, 2671m
- C: Zugspitze-Gipfel (0-20008-0-ZUG)
 - 47.421075°N, 10.985896°E, 2962m
- A and C are the same station and could be consolidated
- Horizontal distance of ca. 650 m between A/C and B might not warrant 2 different station entries ... but due to the alpine setting, the difference in elevation clearly leads to quite different exposure.



Consolidate co-located stations

- This is the preferred approach!
- If station A should be combined with station B, first decide which station should remain. Then copy all information from one to the other, and use «Support» to request complete deletion of one station.



Linking stations

- OSCAR administrators can link stations that somehow belong together. If co-located stations cannot be combined into one for specific reasons, then this may be a solution.
- Contact «Support» for more information.

More examples

I found that there are two entries (IDs) in OSCAR/Surface for this operational station:

1. "Cesar (Cabauw)", WMO index= 0-20008-0-CES, Program= GAW, GAW Regional, EMEP, BSRN, AERONET and EARLINET
2. "CABAUW TOWER AWS", WMO Index= 0-20000-0-06348, program= GOS

This station performs operational meteorological observations of both surface and the upper air. The first ID refers to aerosol and gas measurements, the other to the typical AWS (surface) components. I presume that the first entry is generated from the GAW database and the second one from the VolA transition (with old WMO ID = 06348).

What do you think is best:

1. To merge both IDs into one single ID (to be 0-20000-0-06348, or a new one) or will this action conflict with the 0-20008 ID link?
2. If not, to put all upper air based data (like WP), including the in situ data measured at the tower up to 210 m above ground in the second entry only?

Kind regards,

-Jitze van der Meulen, FP for OSCAR/Surface

Tomorrow I will have a remote conference with the Italian air force. They complain that the WMO ID that ARPA is using for ozone and lidar measurements actually belongs to a very small air force station which is about 900 m far from ARPA.

I'm wondering if separate WMO IDs are really needed for large-scale meteorological variables like total ozone or aerosol profiles. Maybe you know.

Cheers,
Henri

SHE CAN, I CAN'T



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User roles in OSCAR/Surface: overview



Anonymous user

Registered user

User roles (imply user rights):

- Administrator
- National Focal Point (for a program*)
- Program Focal Point
- Station contact
- Instrument expert
- Program approver

User functions (no rights):

- GAW World Data Centre
- JCOMMOPS Chairperson
-



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Program functions:

GAW SAG Greenhouse Gases
GAW SAG Reactive Gases
Program focal point in GAW Regional, GAW Local, GAW Global
Program approver in GAW Global, GAW Regional, GAW Local

User role(s):

Station contact for:

Last modified:

on 2016-06-07 by Jörg Klausen

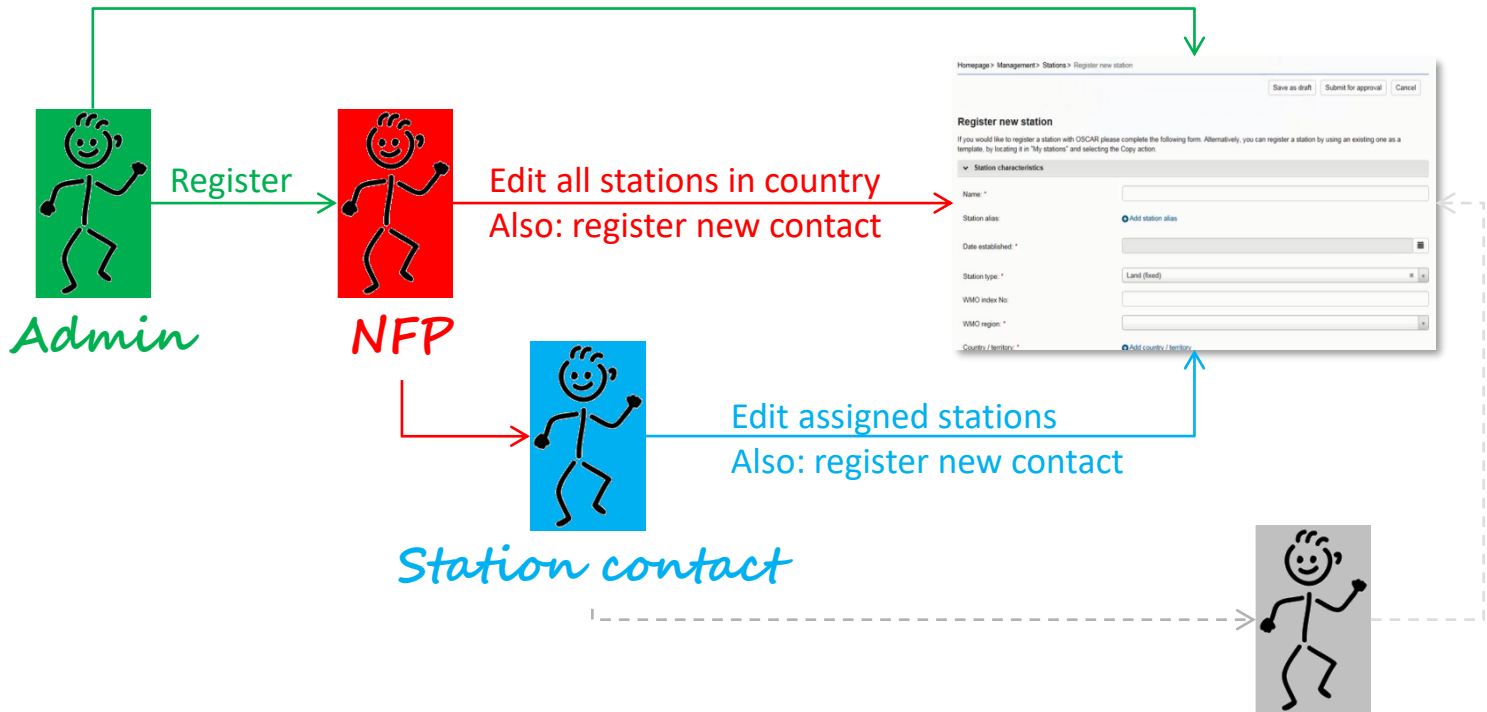


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*available from release 1.2.1

Security and user management: Assignment of roles and rights

- **Authentication** by identity provider (Swiss Government)
- **Authorization** within application based on «trust-relationships» and various «user roles»



User roles in OSCAR/Surface: Rights



- Management tab includes a role-tailored vertical menu
- Reflects the user role and rights model

Role/rights	Manage Stations	Approve stations**	Manage Contacts	Manage Code tables
Administrator	All	All	All	All
National Focal Point	Add and edit: In own country of responsibility	-	Add: in own country Edit: contacts for stations in his/her country	Organisations
Program Focal Point	Add: no restrictions Edit: stations in his/her program	For own program	Add: In own country Edit: contacts for stations in his/her program	Organisations
Station contact	Add: in own country Edit: Assigned stations	-	Add: In own country Edit: contacts for assigned stations	Organisations
Program approver	-	For own program	Add: in own country Edit: own	Organisations
Instrument expert	-	-	Add: - Edit: own	Instruments, organisations

**only stations affiliated with certain programs (i.e. GAW) need approval

Find users by roles in OSCAR/Surface*

- Search for contact(s) by functions
- Search for contact(s) by role
- Download search results (csv, xml)

[Home](#)[Search](#)[Critical review](#)[Management](#)

Station

Instrument

Contact

Bibliographic Reference

Homepage > Search > Contact search

Search for contacts

▼ Browse by contact name

Contact name:

▼ Search

Criteria matching: ⓘ

☒ All ☐ Any

Search term: ⓘ

Program functions:

WMO Region / Country:

Measurement leader / principal investigator for variable: ⓘ

Secretariat (WMO)

Technical Coordin:

Technical Expert (T

Vice Chairperson (

Program Focal Poi

Instrument Expert

Program Approver

National Focal Poi


Search results

[Download](#)

Full Name	Organization	Program functions
Apituley Arnoud	Royal Netherlands Meteorological Institute	National focal point in Netherlands
Arabidze Marine	National Environmental Agency of Georgia	National focal point in Georgia
AUBAGNAC Jean-Pierre	Météo France	National focal point in France, National focal point in French Polynesia, National focal point in New Caledonia, National focal point in Saint Pierre and Miquelon
Azimzade null	State Hydrometeorological Committee	National focal point in Azerbaijan
B&#259;ian Violeta	Monitoring Center on Air Quality	National focal point in Moldova (the Republic of)
Bahdana Kazeruk	Republican center for radiation control and environmental monitoring	National focal point in Belarus
Barber Adam	UK Meteorological Office	National focal point in United Kingdom (the)
Batchvarova Ekaterina	National Institute of Meteorology and Hydrology [Bulgaria]	National focal point in Bulgaria
Bieliauskienė Violeta	Lithuanian Hydrometeorological Service	National focal point in Lithuania
Cuevas-Agullo Emilio	National Meteorological Agency of Spain, Izaña Observatory	National focal point in Spain

10 per page

1 2 3 4 5



*available from release 1.2.1

HISTORICAL INFORMATION



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OSCAR/Surface is history aware

- Information about past history enables adequate use of observations
 - Same observer at different stations
 - Instrument moved from one station to another
 - Instrument re-located at station
 - Maintenance schedules changed
 - Station, instrument log books, events
 - ...



Add and correct, don't delete

- Changes are added as new information
- Erroneous information should be corrected
- Old information is not («cannot be») deleted

OSCAR/Surface asks for and maintains
very many date/timestamps

→ From-To
→ Since-Till

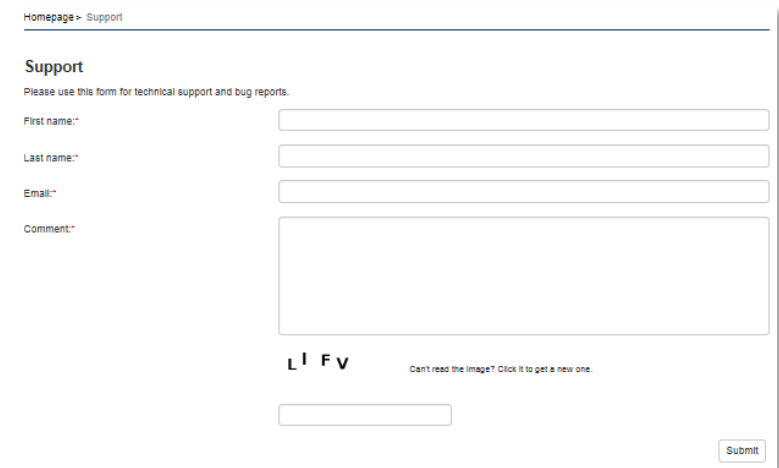
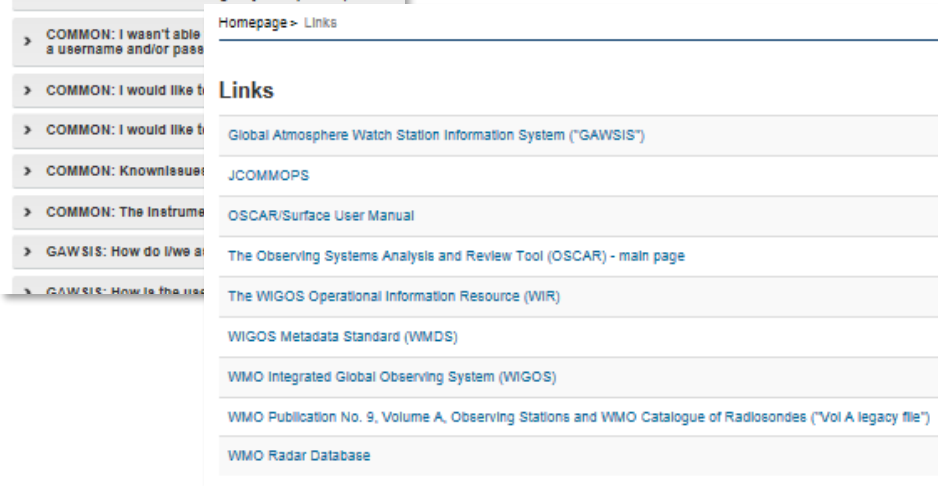
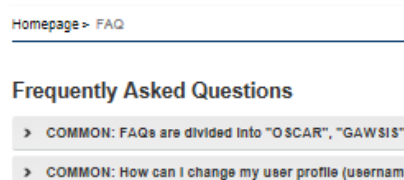


TO THE RESCUE!



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Where to get help





You & your organization!



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Thank you
Merci
شكرا

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