

Training Workshop for Regional WIGOS Centres functions and tools in RA VI

Santander, Spain, 20-22 November 2023

OSCAR/Surface Training



Outline

1. Introduction
2. Main features and functions of OSCAR/Surface
3. How to register and login in OSCAR/Surface
4. The roles and authorities of the users in OSCAR/Surface
5. How to assign WIGOS Station Identifier (WSI)
6. How to register a new station
7. The templates for registration of stations
8. How to update metadata
9. How to use OSCAR/Surface WebClient and API

Introduction to OSCAR/Surface

The **Observing Systems Capability Analysis and Review** tool (OSCAR) of the WMO Integrated Global Observing System (WIGOS) Information Resource (WIR) is a key source of information for WIGOS metadata.

- **Official repository for the metadata of the WIGOS Stations/platforms**
 - *Land, ocean, lower and upper atmosphere*
 - *Fixed, mobile observing facilities*
 - *In situ, remote-sensing instruments*
 - *Physical, chemical, biological, hydrological observations*
 - *Observations serving weather, climate, warnings, ...*
- **Consistent with WIGOS Metadata Standard (WMO-No. 1192) and**
- **Accessible by all users to see the registered stations and metadata**
- **Provides metadata for monitoring functions of WDQMS**

2023-11-10 Error when using the search box
The search box on the upper right corner of the OSCAR/Surface homepage is currently only working to a limited extent. We therefore recommend to use the "Quick access" on the left or the extended search form instead.
We apologize for the inconvenience!

Quick access

Generate station report by:
Station name
WIGOS Station Identifier

Generate station lists by:
Country
Type
Class
Observed variable

Find people by:
Contact name

Filter map

By program / network:
Program / network

By reporting status:
 Declared Assessed

Reporting status

Welcome to OSCAR/Surface

OSCAR/Surface is the World Meteorological Organization's official repository of WIGOS metadata for all surface-based observing stations and platforms. For more details on OSCAR, please visit the About section. For additional information about WIGOS, visit the WIGOS Homepage.

mapbox | WMO | Mapbox | OpenStreetMap | Improve this map | MeteoSwis...

air land or ocean surface sub-surface lake or river

Operational Partly operational Closed Silent Unknown

Main features and functions of OSCAR/Surface

Quick access

Generate station report by:

Generate station lists by:

Find people by:

Filter map

By program / network:

By reporting status:

Declared Assessed

By station type:

Quick access
&
Map filter

Several search, filtering and view options

- Country
- Station name
- WIGOS Station ID
- Station type
- Station class
- Observed variable
- Affiliated program/network
- Operational status
- Coordinates and elevation
- Contacts
- WMO Region
- Organization

The screenshot displays the OSCAR (Observing Systems Capability Analysis and Review Tool) interface. At the top, there is a navigation bar with 'Home', 'Search', and 'Critical review' tabs. The main content area is titled 'Station search' and includes a sidebar with filters for 'Station', 'Instrument', 'Contact', and 'Bibliographic Reference'. The search criteria are organized into sections: 'Browse by station name' with fields for 'Station name' and 'WIGOS Station Identifier'; 'Search using advanced criteria' with options for 'Criteria matching' (All/Any), 'Search term', 'Near Real Time only', and 'Station type' (listing various station types like Air, Lake/River, Land, Underwater); 'Station class' (listing classes like Agricultural, Aircraft, Automatic weather station, etc.); 'Program / network affiliation', 'Station reporting status', 'WMO Region / Country', 'Organization', 'Variable', and 'Climate zone'. At the bottom, there are fields for 'Geographic coordinates' (Latitude to, Longitude from, Longitude to, Latitude from) and 'Elevation' (From, To). A 'Search' button and a 'Reset' button are located at the bottom right.

Main features and functions of OSCAR/Surface

Homepage > Search > Station search > Station report details

[Edit](#) [Download](#)

Last updated: 2023-01-18 by Kothe Silvia

BERGEN (Germany)

in WMO Region VI - Europe

▼ Station characteristics

Name:	BERGEN				
Station alias:					
Date established:	1960-03-03				
Date closed:					
Regional WIGOS Center:					
Station class(es):	Agricultural meteorological station, Automatic weather station (AWS), Cryosphere station, GBON Surface station, Precipitation station, Surface land meteorological station (SYNOP)				
Declared reporting status:	Operational				
Assessed reporting status:	Operational				
Station type:	Land (fixed)				
WIGOS Station Identifier(s):	<table><thead><tr><th>WIGOS Station Identifier</th><th>Primary</th></tr></thead><tbody><tr><td>0-20000-0-10238</td><td><input checked="" type="checkbox"/></td></tr></tbody></table>	WIGOS Station Identifier	Primary	0-20000-0-10238	<input checked="" type="checkbox"/>
WIGOS Station Identifier	Primary				
0-20000-0-10238	<input checked="" type="checkbox"/>				
WMO region:	VI - Europe				
Country / Territory:	> Germany				
Coordinates:	> 52.815233°N, 9.924809°E, 70m, From map				
Time zone:	> UTC+1				
Supervising organization:	> Deutscher Wetterdienst				
Station URL:					
Other link (URL):					
Site description:	> The station was originally registered based on WMO Pub 9 Vol A information containing these observation remarks: A;SOILTEMP (see code table A for explanations). These remarks imply the following additional observations that could not be registered automatically: none.				
Climate zone:	> Warm Temperate - Fully humid - Warm summer				
Predominant surface cover:	> Mosaic cropland (50-70%) / vegetation (grassland/shrubland/forest) (20-50%) (Surface cover types (GlobCover2009))				
Surface roughness:					
Topography or bathymetry:	> (unknown) at middle relative elevation within plains of very low altitude				
Population in 10km / 50km (in thousands):	> 15 / 1099				
Station / platform event logbook:					

Photo gallery

There are no photos available for this station.

Search and download station report

- **Download station report**
 - Station report as PDF
 - Station as WMDR XML
- **Download country information**
 - Download map as PNG
 - Download map as JPG
 - Download map as GIF
 - Download map as KML
 - Download results as XML
 - Download results as CSV

Main features and functions of OSCAR/Surface

Edit station metadata

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

Homepage > Management > Stations > Edit station Save Cancel

VEREENIGING (South Africa) Last updated: 2023-01-01 by Linnerts Samantha
in WMO Region I - Africa

(*) = Mandatory field in OSCAR/Surface to save the station
(**) = Mandatory field according to the WIGOS Metadata Standard

Station characteristics

Basic view Advanced view

Name: (*)

Date established: (*)

Date closed:

Station type: (*)

Regional WIGOS Center:

Station class(es):

Declared reporting status:

Assessed reporting status:

Country / territory: (*) [Add country / territory](#)

Stations

- Register new station
 - Generic form
 - GBON Surface Land Station
 - SYNOP template
 - AWS template
 - Pilot station template
 - Radiosonde template
- My stations
- View station cluster

Contacts

- Register new contact
- My contacts
- Manage machine access

Reference data

- Instruments
- Organizations

WMDR

- XML submission

Main features and functions of OSCAR/Surface

Register a new station

Stations

Register new station

Generic form

GBON Surface Land Station

SYNOP template

AWS template

Pilot station template

Radiosonde template

My stations

View station cluster

Contacts

Register new contact

My contacts

Manage machine access

Reference data

Instruments

Organizations

WMDR

XML submission

Homepage > Management > Stations > Register new station > Generic form

Save as draft

Submit

Cancel

Register new station

If you would like to register a station with OSCAR please complete the following form. Alternatively, you can register a station by using an existing one as a template, by locating it in "My stations" and selecting the Copy action.

(*) = Mandatory field in OSCAR/Surface to save the station

(**) = Mandatory field according to the WIGOS Metadata Standard

Station characteristics

Basic view Advanced view

Name:*

Date established:*

Date closed:

Station type:*

Land (fixed) (Observing facility on solid terrain, at fixed position)

Regional WIGOS Center: ?

Station class(es):

Declared reporting status: ?

Assessed reporting status: ?

Country / territory:*

[+ Add country / territory](#)

WIGOS Station Identifier(s):*

[+ Add WIGOS Station Identifier](#)

Coordinates:*

[+ Add latitude / longitude / elevation / geopositioning method](#)

How to register and login in OSCAR/Surface

Users need to be registered to be able to update information in OSCAR/Surface.

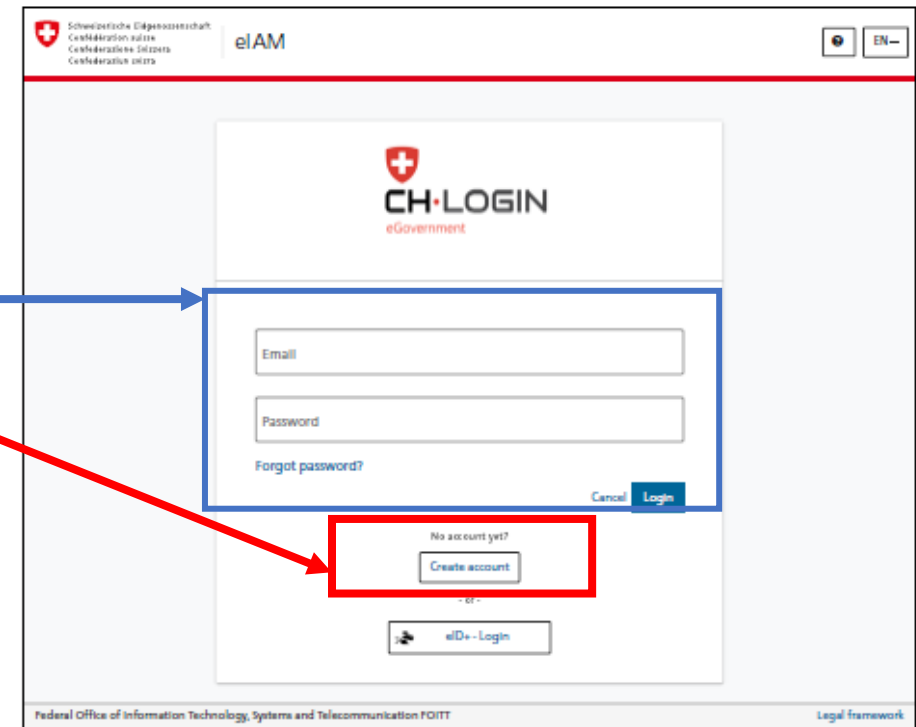
The registration only has to be done once. There are two ways to get an account:

1. Designation as National Focal Point (NFP) for OSCAR/Surface by Permanent Representative
2. NFP, or other delegee, creates a user in OSCAR/Surface

To complete the **Registration** procedure,

Step 1: Click on the Login button in the top right corner of the page and then on

Step 2: Click on Create Account



How to register and login in OSCAR/Surface

Step 3: Fill out the user registration form

Register

First name

Surname

Email

Use at least 10 characters, at least one (1) uppercase letter A-Z, one (1) lowercase letter (a-z) and at least two (2) digits (0-9) or special characters (-!@#\$%^&*()+=_{};?~|<>.,)

Password

Confirm password

I accept the terms of use.

Cancel Continue



Step 4: Verification of email account

Enter confirmation code

Please enter the confirmation code you received and click "Continue".

i Enter the confirmation code that we sent to the following email address: TestUser@gmail.com

Confirmation code

[Request new code](#)

Back Continue

Welcome

You have successfully registered.

Continue

How to register and login in OSCAR/Surface

Step 5: Fill out the form to request access with the new user account

Two-factor authentication not required

Two-factor authentication has been disabled by the application.

[Continue](#)

Request access

Please fill in all necessary fields. For additional information, please use the comment field. Read and accept the terms of use. Then click on "Continue".

Surname

First name

Organisation

Comment

The number of your identity card or passport

[Show Terms of Use](#)
 I accept the terms of use.

[Cancel](#) [Continue](#)




Step 6: Registration complete. You may now log in to OSCAR using your email and password

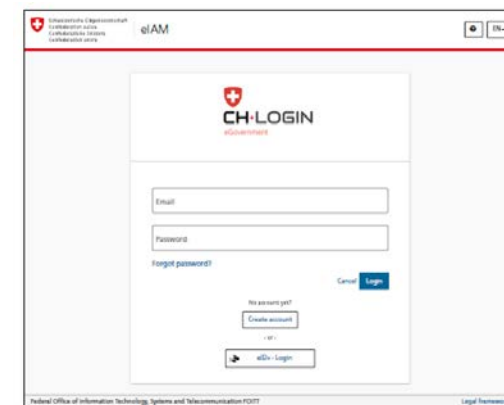
Completion of the access request

You now have access to the desired application.

The new access authorizations are only active when you log on to the application again. With "Back to application" you restart the login process.

 Your access request for the application 'OSCAR' was successfully submitted.

[Back to the application](#)



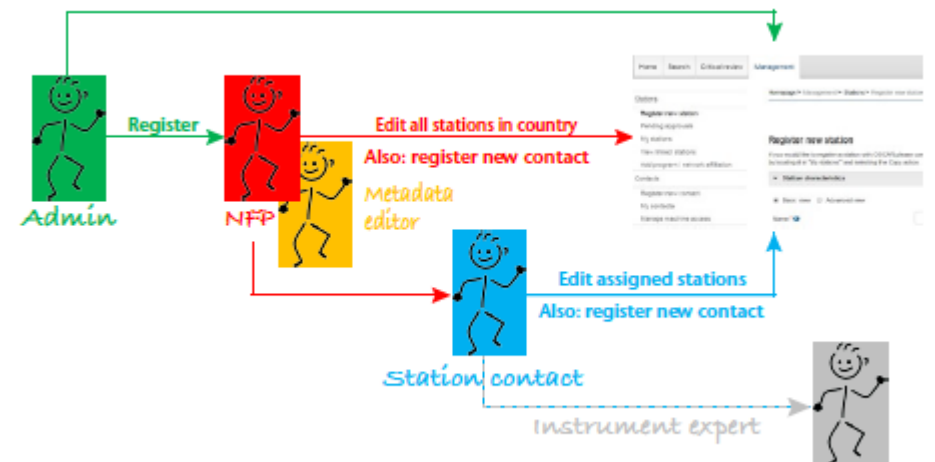
The screenshot shows the CH-LOGIN login interface. At the top, it says 'eIAM' and 'CH-LOGIN eGovernment'. Below that are input fields for 'Email' and 'Password', with a 'Forgot password?' link. There are 'Cancel' and 'Login' buttons. At the bottom, there are links for 'No account yet?' (with 'Create account' and 'or' buttons) and 'eGov-Login'.

User roles and Access rights

Only registered and authorized users can change information in OSCAR/Surface.

- The **national focal point** can then create and delete additional users and associate them with stations within his/her country, edit all and register new stations in their country, and add contacts to a particular station, granting them editing rights for that station.
- National focal points can delegate the role of **metadata editor** to another contact who will then be able to perform the same functions as the national focal point, without the formal title.
- A **registered user** who is not assigned a specific user role is considered to be a regular OSCAR/Surface user and is authorized to register stations and users for his or her country but only authorized to edit stations assigned to him/her.

Role	Register station	Delete station	Edit station	Create user	Delete/ deactivate user	Other functions
Administrator	Everywhere	Everywhere	Everywhere	Everywhere	Everywhere	Make a program subject to approval; Change Station name
National focal point	For their country	Request deletion for their country	All stations in their country	For their country	For their country	Delegate their rights to metadata editors; Change Station name
Metadata editors	For their country	Request deletion for their country	All stations in their country	For their country	-	Change Station name
Regular user (station contact)	For their country	-	Only own stations	For their country	-	
Network focal point	Everywhere, only if affiliated with own network	-	All stations affiliated with their network	For their country	-	Affiliate existing station to their network



How to assign WIGOS Station Identifier (WSI)

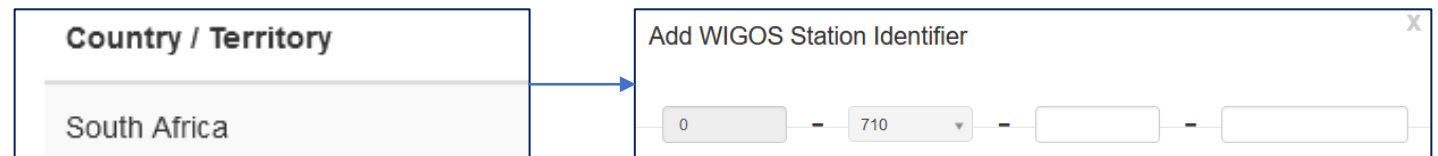
WIGOS Station Identifier is used to uniquely identify WMO observing stations and platforms.

- Each observing station must have at least one WIGOS identifier (WSI), A WSI can only be associated with one observing station, The station WIGOS identifier(s) link(s) the station to its WIGOS metadata.

The WSI consists of four blocks:

1. **The WIGOS identifier series (number):** For observing facilities, the number is “0”. This is entered automatically by the system;
2. **The issuer of the identifier (number):** The ISO 3166-1 numeric country code is used (for example, the Republic of Türkiye: 792). This is entered automatically by the system depending on the country/territory that was chosen.
3. **The issue number:** Define your own procedure or use “0”;
4. **The local identifier (a set of characters, maximum 16):** Define your own procedure.

Example: 0 – 792 – 0 – XXXXXXXXXXXXXXXXX

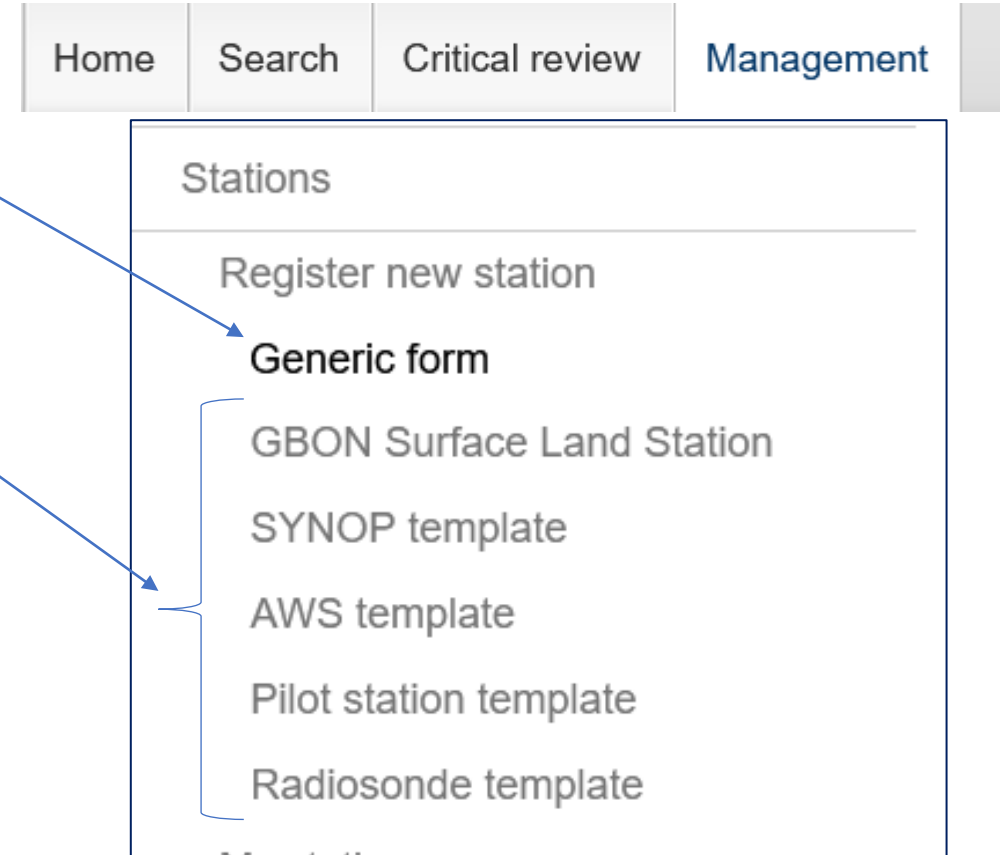


Observing stations allocated with WMO station identifiers before the introduction of WSIs (that is, before 1 July 2016) may continue to use those identifiers. These stations use “20000” as the value for the issuer of the identifier and the old WMO ID as the local identifier. For example, Incheon station is recorded as “0-20000-0-47112”.

How to register a new station

A new station can be registered either by using the

- 1. Generic form:** The Generic form offers the possibility to see and manually edit all fields in OSCAR/Surface and is intended for advanced users who want to have full control.
- 2. Station template forms** make the registration of a station easier and are intended for users who are new to OSCAR/Surface or who want to quickly register a station. The station template forms only show fields relevant to the station type.



The screenshot shows a navigation bar with four items: Home, Search, Critical review, and Management. The Management menu is open, displaying a list of options under the heading 'Stations'. The options are: Register new station, Generic form, GBON Surface Land Station, SYNOP template, AWS template, Pilot station template, and Radiosonde template. A blue arrow points from the 'Generic form' text in the first list item to the 'Generic form' option in the menu. Another blue arrow points from the 'Station template forms' text in the second list item to the group of template options in the menu.

The results will be exactly the same no matter which form is used

Registration of Stations by Generic Form

Go to OSCAR/Surface main page:

<https://oscar.wmo.int/surface/#/>

For test purposes use test platform:

<https://oscardepl.wmo.int/surface/#/>

The screenshot shows the OSCAR/Surface main page with a test environment notice: "Note: This is a test environment, use OSCAR for the operational environment." Below this, a yellow box contains a message about a database issue: "Issue saving station updates fixed! Due to an issue in the database it was not possible to save station changes. In the meantime the issue has been fixed and the application is working correctly again. We apologize for the inconvenience." A second yellow box mentions maintenance on 03-05.11.2023 and provides restrictions: "Due to tom maintenance work to the authentication system the login please be aware of the following restrictions: - on Friday 03.11.2023 shortly after 1:00 UTC for around 5 minutes sessions might go lost. Please do not login during this time to avoid losing any unsaved information. - on Sunday 05.11.2022, the login will not be available between 1.00 and 3.00 UTC."

The screenshot shows the "Quick access" and "Welcome to OSCAR/Surface" sections. The "Quick access" section includes dropdown menus for "Station name", "WIGOS Station Identifier", "Country", "Type", "Class", and "Observed variable", along with a "Find people by:" dropdown for "Contact name". The "Welcome to OSCAR/Surface" section features a map of Europe with station locations marked in various colors (blue, green, orange) and a legend below it. The legend includes: "air" (purple), "land or ocean surface" (blue), "sub-surface" (green), "lake or river" (orange), "Operational" (black circle), "Partly operational" (grey star), "Closed" (grey X), "Silent" (white circle), and "? Unknown" (grey question mark).

The screenshot shows the OSCAR/Surface main page with a search error message: "Error when using the search box. The search box on the upper right corner of the OSCAR/Surface homepage is currently only working to a limited extent. We therefore recommend to use the 'Quick access' on the left or the extended search form instead. We apologize for the inconvenience!"

The screenshot shows the "Quick access" and "Welcome to OSCAR/Surface" sections. The "Quick access" section includes dropdown menus for "Station name", "WIGOS Station Identifier", "Country", "Type", "Class", and "Observed variable", along with a "Find people by:" dropdown for "Contact name". The "Welcome to OSCAR/Surface" section features a map of Europe with station locations marked in various colors (blue, green, orange) and a legend below it. The legend includes: "air" (purple), "land or ocean surface" (blue), "sub-surface" (green), "lake or river" (orange), "Operational" (black circle), "Partly operational" (grey star), "Closed" (grey X), "Silent" (white circle), and "? Unknown" (grey question mark).

How to register a new station: Generic form

The Generic form is divided into the same five sections as the station report page:

1. station characteristics,
2. observations/measurements,
3. station contacts,
4. bibliographic references and
5. documents.

Some elements (marked with a single red asterisk). , such as the name of the station, are mandatory to save a station in OSCAR/Surface. The station cannot be registered unless all the OSCAR/Surface mandatory elements have been provided.

If the information is incomplete, an error message appears when the user tries to submit the form, indicating that some elements are missing, and the missing fields and section headers are highlighted in red.

The elements (marked with double blue asterisks) are mandatory according to the WIGOS Metadata Standard but saving station information is possible without providing values possible to save the station information already provided as a draft for later editing (only the station name is mandatory to save your draft).

Management

Homepage > Management > Stations > Register new station > Generic form

Save as draft Submit Cancel

Register new station

If you would like to register a station with OSCAR please complete the following form. Alternatively, you can register a station by using an existing one as a template, by locating it in "My stations" and selecting the Copy action.

(*) = Mandatory field in OSCAR/Surface to save the station
(**) = Mandatory field according to the WIGOS Metadata Standard

- > Station characteristics
- > Observations / measurements
- > Station contacts
- > Bibliographic references
- > Documents

Save as draft Submit Cancel

Register new station

If you would like to register a station with OSCAR please complete the following form. Alternatively, you can register a station by using an existing one as a template, by locating it in "My stations" and selecting the Copy action.

(*) = Mandatory field in OSCAR/Surface to save the station
(**) = Mandatory field according to the WIGOS Metadata Standard

Station characteristics

Basic view Advanced view

Name *

Date established *

Date closed:

Station type *

Regional WIGOS Center:

Station class(es):

Declared reporting status:

Assessed reporting status:

Country / territory *

WIGOS Station Identifier(s) *

Coordinates *

WMO region *

[Add country / territory](#)

[Add WIGOS Station Identifier](#)

[Add latitude / longitude / elevation / geopositioning method](#)

Save as draft Submit Cancel

How to register a new station: Station template forms

Homepage > Management > Stations > Register new station > Template form

GBON Surface Land Station ?

Name: * ?

Date established: * ?

Country / territory: * ?

WIGOS Station Identifier(s): * ? - - -

Coordinates * ?

Latitude: * ?

Longitude: * ?

Station elevation (meter): * ?

Observed variable * ?	Observing method * ?	Actions
Air temperature (at specified distance from reference surface)	<input type="text"/>	
Amount of precipitation	<input type="text"/>	
Atmospheric pressure	<input type="text"/>	
Horizontal wind direction at specified distance from reference surface	<input type="text"/>	
Horizontal wind speed at specified distance from reference surface	<input type="text"/>	
Humidity (at specified distance from reference surface)	<input type="text"/>	
Snow depth	<input type="text"/>	

Schedule ?

Reporting interval: * ?

Period of reporting: * ?

Time (UTC): * ? Day: * ? Month: * ?

00	01	02	03	Monday	Saturday	January	July
04	05	06	07	Tuesday	Sunday	February	August
08	09	10	11	Wednesday		March	September
12	13	14	15	Thursday		April	October
16	17	18	19	Friday		May	November
20	21	22	23			June	December

Diurnal base time: ** ? :

The GBON Surface Land Station template

- **Mandatory observations: Preselected with Snow depth being an optional observed variable.**
- **Reposting schedule: Set for hourly reporting, 24/7, year-round.**

How to register a new station: Other station template forms

Homepage > Management > Stations > Register new station > Template form

1 Surface Land Meteorological Station (SYNOP) ?

Name: *

Date established: *

Country / territory: *

WIGOS Station Identifier(s): *

Coordinates *
Latitude: *
Longitude: *
Station elevation (meter): *

Observed variable * Observing method * Actions

Air temperature (at specified distance from reference surface)	<input type="text"/>	<input type="checkbox"/>	<input type="checkbox"/>
Atmospheric pressure	<input type="text"/>	<input type="checkbox"/>	<input type="checkbox"/>
Horizontal wind direction at specified distance from reference surface	<input type="text"/>	<input type="checkbox"/>	<input type="checkbox"/>
Horizontal wind speed at specified distance from reference surface	<input type="text"/>	<input type="checkbox"/>	<input type="checkbox"/>
Humidity (at specified distance from reference surface)	<input type="text"/>	<input type="checkbox"/>	<input type="checkbox"/>

3 Pilot Station ?

Name: *

Date established: *

Country / territory: *

WIGOS Station Identifier(s): *

Coordinates *
Latitude: *
Longitude: *
Station elevation (meter): *

Schedule

Reporting interval: *

Period of reporting: *

Time (UTC): *

Day: *

Month: *

Journal base time: **

4 Radiosonde Station ?

Name: *

Date established: *

Country / territory: *

WIGOS Station Identifier(s): *

Coordinates *
Latitude: *
Longitude: *
Station elevation (meter): *

Observed variable * Observing method * Actions

Air temperature (at specified distance from reference surface)	<input type="text"/>	<input type="checkbox"/>	<input type="checkbox"/>
Atmospheric pressure	<input type="text"/>	<input type="checkbox"/>	<input type="checkbox"/>
Horizontal wind direction at specified distance from reference surface	<input type="text"/>	<input type="checkbox"/>	<input type="checkbox"/>
Horizontal wind speed at specified distance from reference surface	<input type="text"/>	<input type="checkbox"/>	<input type="checkbox"/>
Humidity (at specified distance from reference surface)	<input type="text"/>	<input type="checkbox"/>	<input type="checkbox"/>

2 Automatic Weather Station (AWS) ?

Name: *

Date established: *

Country / territory: *

WIGOS Station Identifier(s): *

Coordinates *
Latitude: *
Longitude: *
Station elevation (meter): *

Program / network affiliation: *

Observed variable * Observing method * Actions

Air temperature (at specified distance from reference surface)	<input type="text"/>	<input type="checkbox"/>	<input type="checkbox"/>
Amount of precipitation	<input type="text"/>	<input type="checkbox"/>	<input type="checkbox"/>
Atmospheric pressure	<input type="text"/>	<input type="checkbox"/>	<input type="checkbox"/>
Horizontal wind direction at specified distance from reference surface	<input type="text"/>	<input type="checkbox"/>	<input type="checkbox"/>
Horizontal wind speed at specified distance from reference surface	<input type="text"/>	<input type="checkbox"/>	<input type="checkbox"/>
Humidity (at specified distance from reference surface)	<input type="text"/>	<input type="checkbox"/>	<input type="checkbox"/>

Observed variable * Observing method * Actions

Air temperature (at specified distance from reference surface)	<input type="text"/>	<input type="checkbox"/>	<input type="checkbox"/>
Amount of precipitation	<input type="text"/>	<input type="checkbox"/>	<input type="checkbox"/>
Atmospheric pressure	<input type="text"/>	<input type="checkbox"/>	<input type="checkbox"/>
Horizontal wind direction at specified distance from reference surface	<input type="text"/>	<input type="checkbox"/>	<input type="checkbox"/>
Horizontal wind speed at specified distance from reference surface	<input type="text"/>	<input type="checkbox"/>	<input type="checkbox"/>
Humidity (at specified distance from reference surface)	<input type="text"/>	<input type="checkbox"/>	<input type="checkbox"/>

Schedule

Reporting interval: *

Period of reporting: *

Time (UTC): *

Day: *

Month: *

00	01	02	03	Monday	Saturday	January	July
04	05	06	07	Tuesday	Sunday	February	August
08	09	10	11	Wednesday		March	September
12	13	14	15	Thursday		April	October
16	17	18	19	Friday		May	November
20	21	22	23			June	December

Review and confirm Cancel

Select method

Search

- Atmosphere
 - Radiosonde with NAVAID
 - Radiosonde with composite method tracking
 - Radiosonde with radar tracking
 - Radiosonde with radiotheodolite tracking
- Wind

Add Close

How to edit/update existing station metadata

To edit the station information, click on the Edit button, which shows on the station report. To get to the station report, any of the quick access, search or map filter methods can be used.

It is important to remember that the **date of the date of the actual change must be documented in OSCAR/Surface**. Almost all changes of the information are recorded to keep **track of the station history and the development of its capabilities over time**. Therefore, most fields in the form have a date input field.

Examples: Information can be updated:

- 1. Change of elevation of station or instruments:** When the elevation of a station is changed, the new elevation of the installed instruments must be entered also.
- 2. Missing information:** the system will not save the changes if not all mandatory fields were entered. This situation is especially likely with stations that are being edited for the first time as the station may have been registered with incomplete information when the system was first populated.
- 3. Reporting:** a) Reporting interval: Hourly/3hourly b) Period of reporting: Custom or 24/7 year-round, Used for international reporting
- 4. Completely or partly close a station:** If a station needs to be closed completely, a date must be set in the Date closed field to trigger the close station functionality. By clicking on "Continue", all open-ended Program affiliations, deployments, and data generations of the station will be closed.

Homepage > Search > Station search > Station report details

[Edit](#) [Download](#)

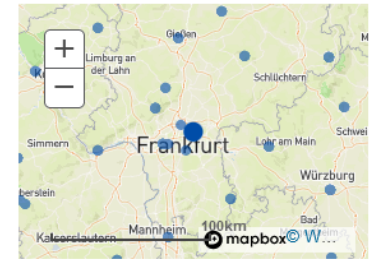
OFFENBACH-WETTERPARK (Germany)

in WMO Region VI - Europe

Last updated: 2023-10-20 by Kothe Silvia

Station characteristics

Name:	OFFENBACH-WETTERPARK				
Station alias:					
Date established:	2005-06-22				
Date closed:					
Regional WIGOS Center:					
Station class(es):	Agricultural meteorological station, Automatic weather station (AWS), Cryosphere station, Precipitation station, Surface land meteorological station (SYNOP)				
Declared reporting status:	Operational				
Assessed reporting status:	Operational				
Station type:	Land (fixed)				
WIGOS Station Identifier(s):	<table><thead><tr><th>WIGOS Station Identifier</th><th>Primary</th></tr></thead><tbody><tr><td>0-20000-0-10641</td><td><input checked="" type="checkbox"/></td></tr></tbody></table>	WIGOS Station Identifier	Primary	0-20000-0-10641	<input checked="" type="checkbox"/>
WIGOS Station Identifier	Primary				
0-20000-0-10641	<input checked="" type="checkbox"/>				
WMO region:	VI - Europe				
Country / Territory:	> Germany				
Coordinates:	> 50.08995°N, 8.786165°E, 118.64m, Survey				
Time zone:	> UTC+1				
Supervising organization:	> German Meteorological Service				
Station URL:					
Other link (URL):					



CLIPPERTON (France)

in WMO Region IV - North America, Central America and the Caribbean

Last updated: 2017-06-08 by Gallego Champika

Station characteristics

Name:	CLIPPERTON
Station alias:	
Date established:	1995-07-01
Date closed:	2016-04-28
Declared reporting status:	Closed
Assessed reporting status:	Unknown

How to register or edit a station using XML upload

A station can be registered (new station) or edited via web forms on the graphical user interface (GUI) of OSCAR/Surface or **via the submission of a WMDR XML representation of the station (WMDR XML file).**

The WMDR XML file for a station can be uploaded by national focal points using the XML submission of the Management tab or by the WMDR XML upload REST API.

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<wmdr:WIGOSMetadataRecord xmlns:gml="http://www.opengis.net/gml/3.2" xmlns:xlink="http://www.w3.org/1999/xlink" xmlns:wmdr="http://def.wmo.int/wmdr/2017" xmlns:gco="http://www.isoto211
  <gml:boundedBy xsi:nil="true"/>
  <wmdr:headerInformation>
    <wmdr:Header>
      <wmdr:fileDateTime>2023-01-01T00:00:00Z</wmdr:fileDateTime>
      <wmdr:recordOwner>
        <gmd:CI_ResponsibleParty id="wmo_meteoswiss">
          <gmd:organisationName>
            <gco:CharacterString>World Meteorological Organization WMO and Federal Office for Meteorology and Climatology MeteoSwiss</gco:CharacterString>
          </gmd:organisationName>
          <gmd:contactInfo xlink:type="simple">
            <gmd:CI_Contact>
              <gmd:address xlink:type="simple">
                <gmd:CI_Address>
                  <gmd:electronicMailAddress>
                    <gco:CharacterString>oscar@wmo.int</gco:CharacterString>
                  </gmd:electronicMailAddress>
                  <gmd:electronicMailAddress>
                    <gco:CharacterString>https://oscar.wmo.int/surface/#/feedback</gco:CharacterString>
                  </gmd:electronicMailAddress>
                </gmd:CI_Address>
              </gmd:address>
            </gmd:CI_Contact>
          </gmd:contactInfo>
        </gmd:CI_ResponsibleParty>
      </wmdr:recordOwner>
    </wmdr:Header>
  </wmdr:headerInformation>
  <gmd:CI_OnlineResource>
    <gmd:linkage>
      <gmd:URL>https://oscar.wmo.int/surface</gmd:URL>
    </gmd:linkage>
  </gmd:CI_OnlineResource>
</wmdr:WIGOSMetadataRecord>
```

The screenshot shows the 'Management' tab in the OSCAR/Surface web interface. The breadcrumb trail is 'Homepage > Management > WMDR'. The main content area is titled 'Copy and paste your XML below:' and contains a large text input field for pasting the XML file. At the bottom of the page, there is a checkbox labeled 'use gml:id matching only (consult user manual before unchecking the box):' which is checked. Below this, there is a 'Get log by ID' button followed by an empty text input field, and a 'Submit XML' button.

How to register or edit a station using OSCAR/Surface web client tool

The OSCAR/Surface Web Client Tool (<https://oscar.tools.wmo.int/web-client>) is an external application that allows for **batch operations**. This means that operations in OSCAR/Surface **can be applied to several stations at once so that the user does not have to manually enter the information one station at a time**. The tool makes changes to the XML stations file and uploads them again through a queuing system. **The current version supports the creation of stations, changing WSIs, changing schedules, and adding affiliations**. When performing changes through the Web Client, the WSI is used to identify a station.

The screenshot shows the WMO OSCAR/Surface - Web Client Tool interface. At the top left is the WMO logo. The title is "WMO OSCAR/Surface - Web Client Tool". On the right, there are links for "User manual | Support", a "Prod" toggle switch, and a "Dev" toggle switch with a "log" icon. Below the title bar, there is a "Create a new station" dropdown menu, an information icon, a "Token id" input field, and a "Generate" button. The main content area contains a table with the following columns: Name, WIGOS Station Identifier, Type, Latitude, Longitude, Altitude, Creation, Country, Region, International, Variables observed, and Operational status. The first row of data is for a station named "Payerne" with WIGOS Station Identifier "0-76-0-1506139000000593", Type "Air fixed", Latitude "81.3 or 12 13 14N|S", Longitude "75.3 or 11 19 17E|W", Altitude "11", Creation "2001-01-31", Country "India", Region "Asia", International checkbox unchecked, Variables observed "10,2", and Operational status "silent". Below the table, there is a "Show optional fields" toggle set to "No", a "Download template" button with a document icon, and "Clear" and "Submit" buttons. At the bottom left, the current version is listed as "UI-0.0.10 Middleware-0.0.8 Library-0.79".

	Name	WIGOS Station Identifier	Type	Latitude	Longitude	Altitude	Creation	Country	Region	International	Variables observed	Operational status
1	Payerne	0-76-0-1506139000000593	Air fixed	81.3 or 12 13 14N S	75.3 or 11 19 17E W	11	2001-01-31	India	Asia	<input type="checkbox"/>	10,2	silent
2										<input type="checkbox"/>		
3										<input type="checkbox"/>		
4										<input type="checkbox"/>		
5										<input type="checkbox"/>		
6										<input type="checkbox"/>		
7										<input type="checkbox"/>		
8										<input type="checkbox"/>		

Help and additional resources

- **OSCAR/Surface User Manual, 2023 edition, release 1.9.1:**
https://library.wmo.int/viewer/56451?medianame=OSCAR_1.8.3_en#page=1&viewer=picture&o=bookmark&n=0&q=
- **The OSCAR/Surface Moodle platform:** <https://etr.wmo.int/course/view.php?id=146>
 - This platform contains all presentations from training events, the OSCAR/Surface blog, the interactive forum, and the recordings of OSCAR/Surface webinars, which take place once a month.
- **The OSCAR/Surface FAQ on the OSCAR/Surface website:** <https://oscar.wmo.int/surface//index.html#/faq/>
- **The OSCAR/Surface helpdesk**, which can be contacted via the contact form (accessed via the **Support** button) on the OSCAR/Surface website: <https://oscar.wmo.int/surface//index.html#/support>.
 - Requests submitted through this form are tracked and answered by the OSCAR/Surface operating team and the WMO Secretariat.

Thank you



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