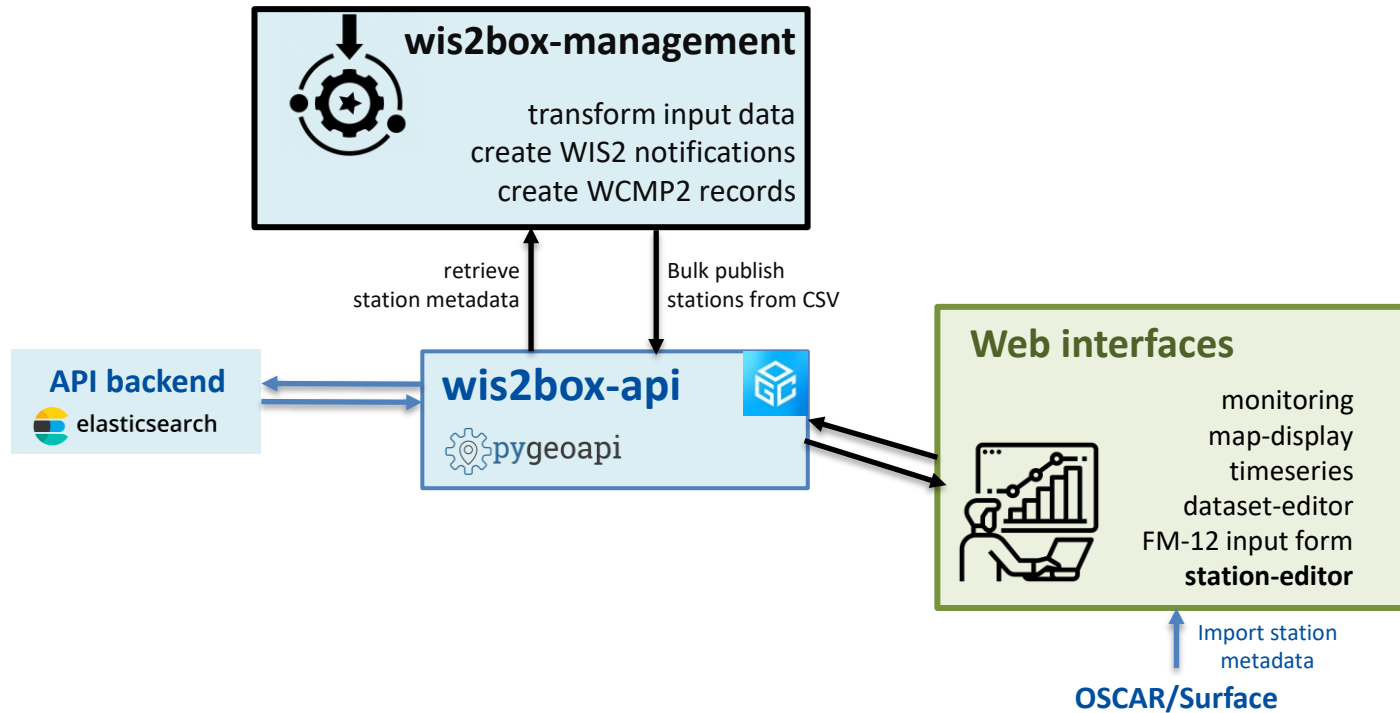


Station metadata in wis2box

Station metadata in the wis2box



The wis2box-api contains a “stations” collection that is referenced by built-in data plugins for publishing weather observations in BUFR format

- the station list can be updated from the command line inside the wis2box-management container
- or using the station editor inside the wis2box-webapp

Data Plugins and the wis2box station list

Data plugins publishing BUFR rely on information from the wis2box station list:

- Prevent publishing data for stations not pre-configured by the WIS2 Node administrator
- Ensure WIGOS Station Identifier (WSI) is encoded in published data
- Add missing data for certain cases (see box below)

synop2bufr:

- derives the WSI by matching with the traditional station identifier (TSI) in the FM-12 input data
- encode the location and barometer height above sea-level into the BUFR message

csv2bufr:


- Check the WSI in the input data can be matched to a station in the wis2box cached metadata

bufr2bufr:

- In case WSI is missing but TSI is present in input data, the WSI is derived by matching with the TSI
- if the location or station elevation are missing in the input BUFR using values from station metadata

The wis2box station list

<http://<wis2box-host-address>/oapi/collections>

 [Contact](#)

Home / Collections [json](#) [jsonld](#)

Data collections in this service

Name	Description
Data notifications	Data notifications
Stations	Stations

Record collections in this service

Name	Description
Discovery metadata	Discovery metadata

The station-list provided through the wis2box-api contains cached station metadata, ideally imported from the [OSCAR/Surface](#) repository

Station editor in wis2box webapp

You can update the wis2box station-list using the station editor in the wis2box webapp

<wis2box-host-url>/wis2box-webapp/station

Import station from OSCAR/Surface

WIGOS Station Identifier

0-20000-0-15015

Enter WIGOS Station Identifier

SEARCH

Station name

OCNA SUGATAG

Enter name of station

WIGOS station identifier

0-20000-0-15015

Enter the WIGOS station identifier

Traditional station identifier

15015

Enter the traditional (5 or 7 digit) station identifier

Longitude (decimal degrees E), -180 to 180

23.9404602638

Enter the station longitude (degrees E)

Latitude (decimal degrees N), -90 to 90

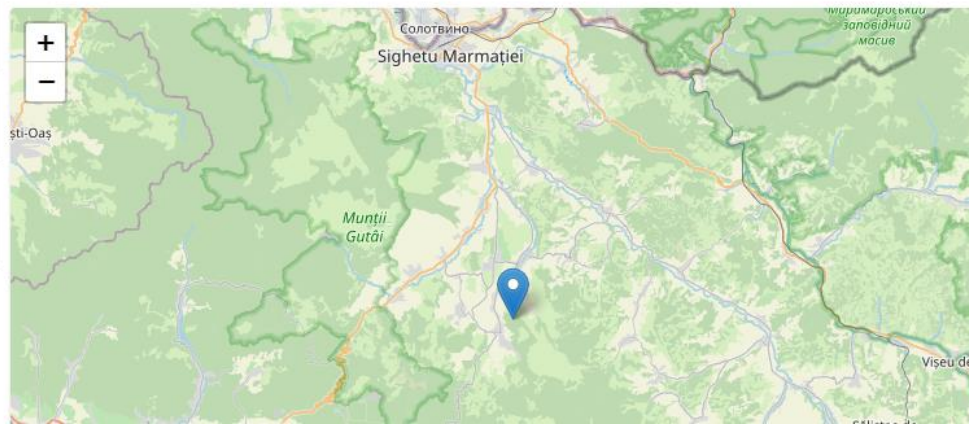
47.7770616258

Enter the station latitude (degrees N)

Station elevation above sea level (metres)

503

Station elevation above sea level (metres)



Or bulk-import stations from CSV using command-line in wis2box-manageme nt container:

docs.wis2box.wis.wmo.int/en/latest/user/setup.html#bulk-inserting-stations-from-csv

Thank you

شكراً لك

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