

WIS2 Node registration

Hassan Haddouch

WIS 2.0 Manager

WIS Section, Data and Prediction Division,
Infrastructure Department

WMO Secretariat

What do you need to register a WIS2 node

1. WIS2 node must be fully functional.

- MQTT public endpoint
 - Global Brokers will subscribe and receive a notification when new data available
- HTTP public endpoint
 - Data will be shared through the HTTP link in the notification message

2. MQTT broker subscription information to be provided to Secretariat (including protocol, hostname or public IP address, port number)

- Example: `mqtt://wis2node.wis.cma.cn:1883` `mqttps://wis2.dwd.de:8883` `wss://globalbroker.meteo.fr:443/mqtt`

3. Centre id to be provided to Secretariat. Please refer to Guidance here (<https://community.wmo.int/en/guidance-assigning-centre-identifier-wis2-node>).

If you need help, ask the Secretariat (wis2-support@wmo.int)

WIS2 Global Register

Global Brokers only subscribe to WIS2 Nodes included in the WIS2 Global Register

- Global Broker subscribe and re-publish all notifications on topic=*origin/a/wis2/<centre-id>/#*

National Focal Points on WIS matters use the **WIS2 registration form** to initiate the process to add a new WIS2 Node to the WIS2 Global Register

- *If you don't have an NFP on WIS matters yet, **please nominate one !***

WMO Secretariat will request Global Brokers to subscribe to the new WIS2 Node, after the WIS2 Node is assessed, by their principal GISC, to be compliant with WIS2 requirements



Assigning a centre-id

Guidance on assigning a valid centre-id

- The centre identifier (centre-id) is an acronym as specified by the Member and endorsed by the PR of the Member and WMO.
- It is a single identifier comprised of a top-level domain (TLD) and centre name. It represents the data publisher, distributor or issuing centre of a given dataset, data product, data granule or other resource.
- The TLD list can be found [here](#).
- centre name: may contain dashes (but not other special characters).

Example

- Algeria: dz-meteoalgerie
- Kazakhstan: kz-kazhydromet
- Uruguay: uy-inumet
- Saudi Arabia: sa-ncm
- St. Kitts and Nevis: kn-metSERVICE
- Singapore:
 - sg-mss (WIS centre/NC)
 - sg-mss-asmc (DCPC)
- Poland: pl-imgw
- ECMWF: int-ecmwf

NCs status

Country	TLD	Proposed centre_id	NFP on WIS matters	Principal GISC
United Arab Emirates (UAE)	ae	ae-ncm	Dr Mohamed Abdulla ALEBRI	Jeddah
Jordan	jo	jo-jmd	TBD	Offenbach
Bahrain	bh	bh-bmd	Mr Abdul Aziz Ebrahim Al-Balooshi	Jeddah
Egypt	eg	eg-ema	Mr Walid GOMAA	Casablanca
Qatar	qa	qa-qmd	Mr Omar Abdulaziz OBAIDAN	Jeddah
Libya	ly	ly-lnmc	Eng. Osama F DAWAS and Mr Nureddin Mahmoud SAWAN	Casablanca
Saudi Arabia	sa	sa-ncm	Majed MAHJOUB	Jeddah
Tunisia	tn	tn-nim or tn-meteo	Mr Ahmed HMAM	Casablanca
Syrian Arab Republic	sy	sy-smd	Mr Feras Natouf	Tehran
Yemen	ye	ye-yms	Eng. Mohammed Al-Boory	Jeddah
Iraq	iq	iq-agromet	Mr Emad Kareem Abdulridha Almaliki	Tehran
Kuwait	kw	kw-kmd or kw-dgca	Mr Nasser Talal AL FADHLI	Jeddah
Lebanon	lb	lb-meteo	TBD	TBD
Russian Federation	ru	ru-aviamettelecom	Vladimir Viktorovich TSUKANOV	Moscow
Oman	om	om-met or om-caa	Hassan Al Khabouri	Jeddah

WIS 2 Node registration form



<https://forms.office.com/e/c5bJ2iyurM?origin=lprLink>

Required inputs for WIS2 Node registration:

- **Submitter contact**

- Should be **NFP on WIS matters**
- WMO Secretariat will contact the submitter after receiving form submission to validate identity
- If you need assistance to nominate or update your NFP on WIS matters, contact wis@wmo.int or wis2-support@wmo.int

- **WIS2 Node details**

- **Member-name**
- **Centre-id**
- **WIS2 Node broker connection string***

* for wis2box, the broker connection string is

mqtt://<wis2box-host-address>:1883

or

mqttps://<wis2box-host-address>:8883 (with SSL enabled)

WIS 2 Node registration (from Manual and Guide on WIS)

- ☐ Registration of a WIS2 Node must be approved by the Permanent Representative with WMO (PR) for the country or territory in which the WIS Centre resides.
- ☐ the National Focal Point (NFP) on WIS matters can register a WIS2 Node on behalf of the PR for an official NC or DCPC listed in the [Manual on WIS \(WMO-No. 1060\) Volume I: WIS 1.0](#).
- ☐ More guidance can be found at the [Guide to WIS, Vol. II. 2.6.1.1 Registration and decommissioning of a WIS2 Node](#)

Thank you
Merci
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