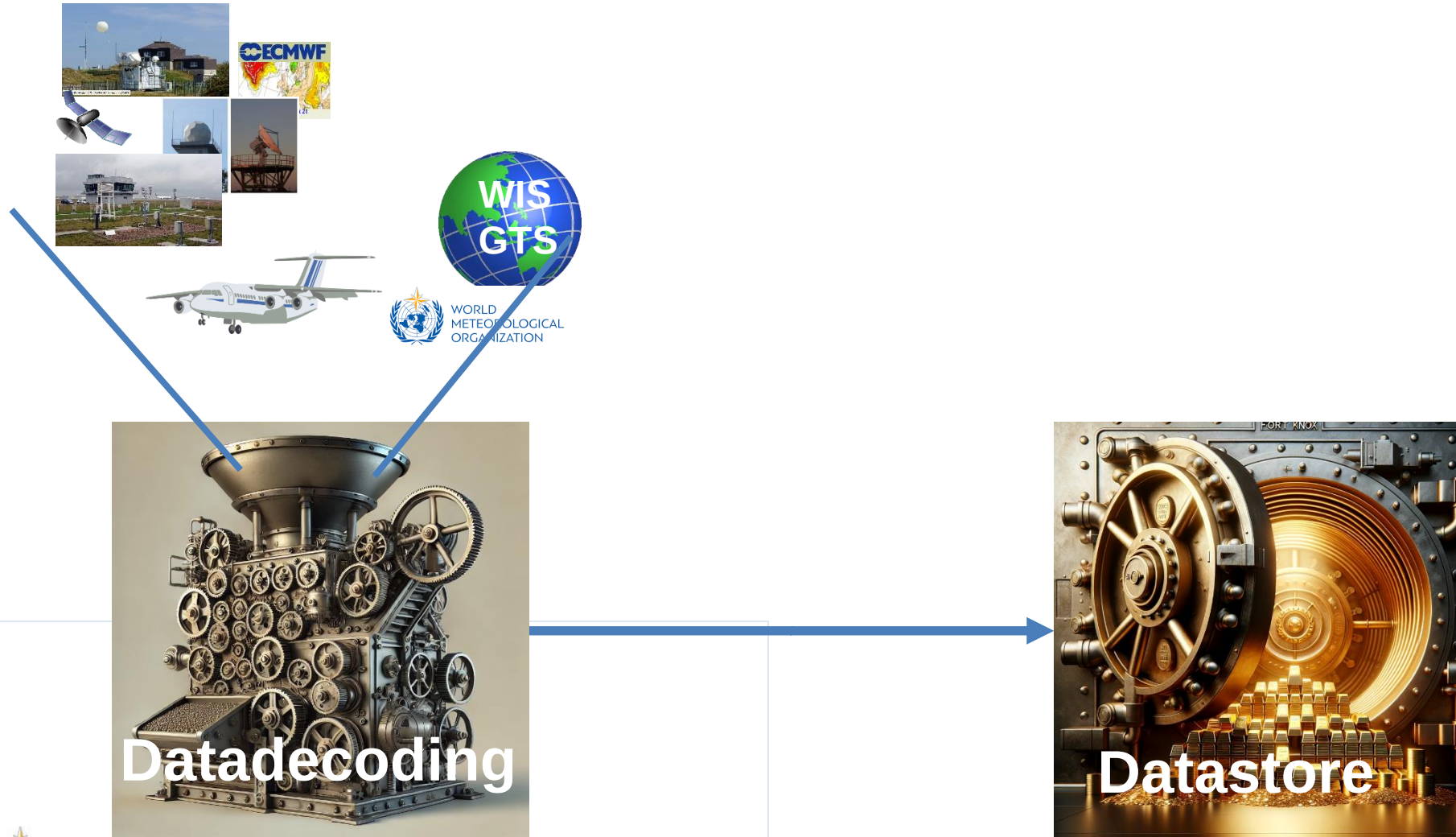


WIS2 Implementation Support GISC Offenbach

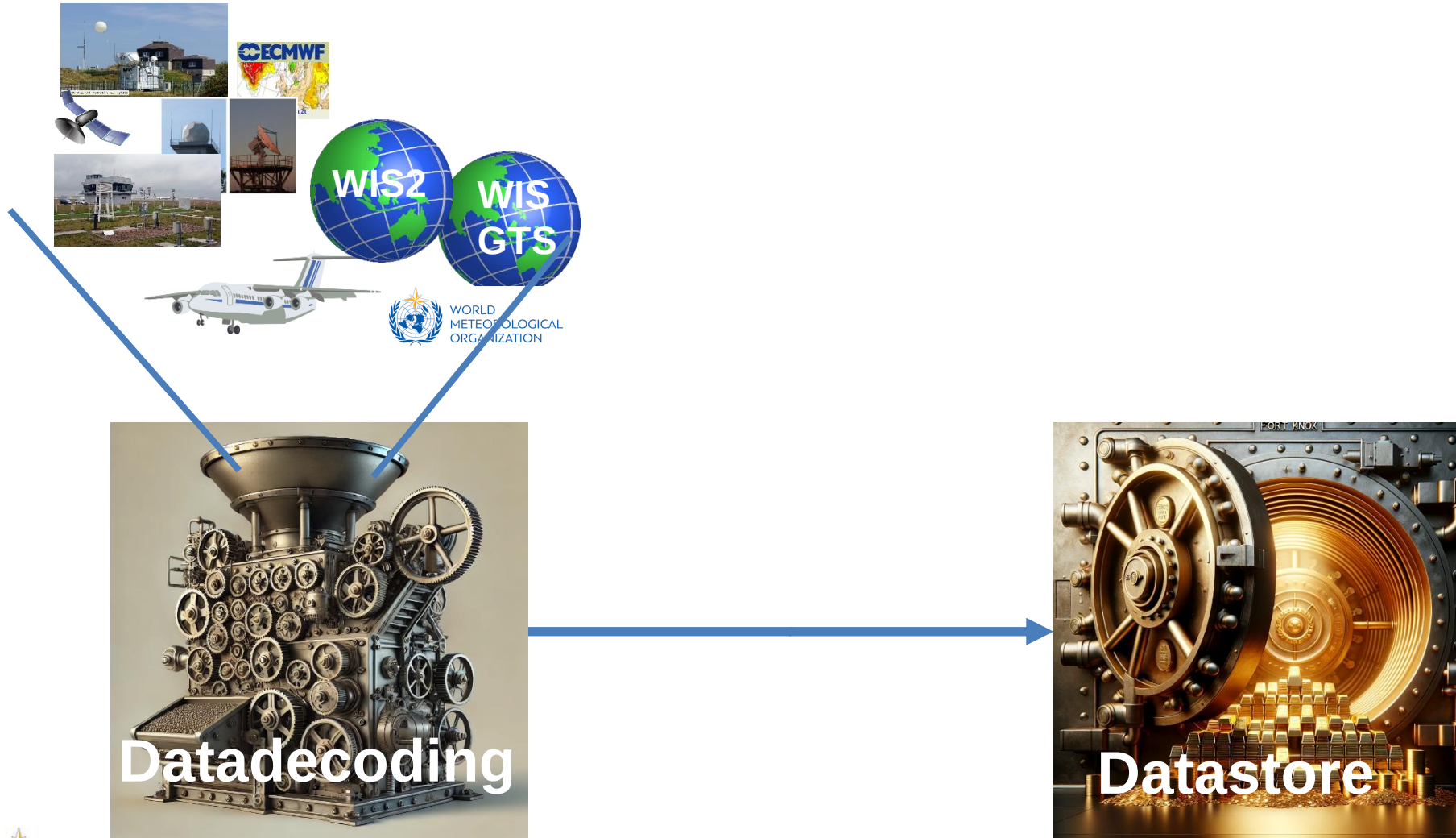
Overview

- Benefits of connecting to WIS2
- Support from GISC Offenbach
- WIS Portal of GISC Offenbach
- Demonstration

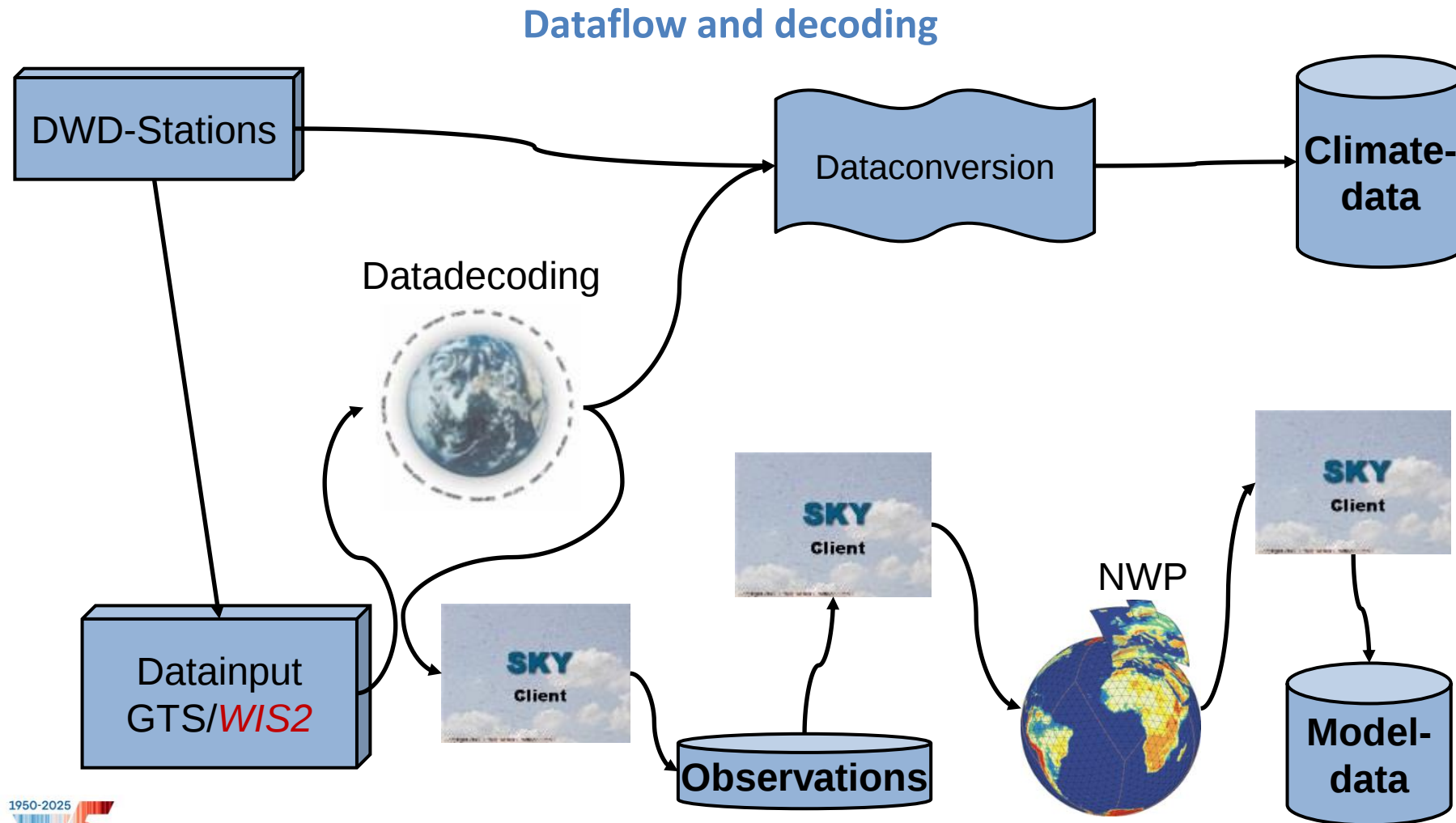
Benefits of connecting to WIS2



Benefits of connecting to WIS2

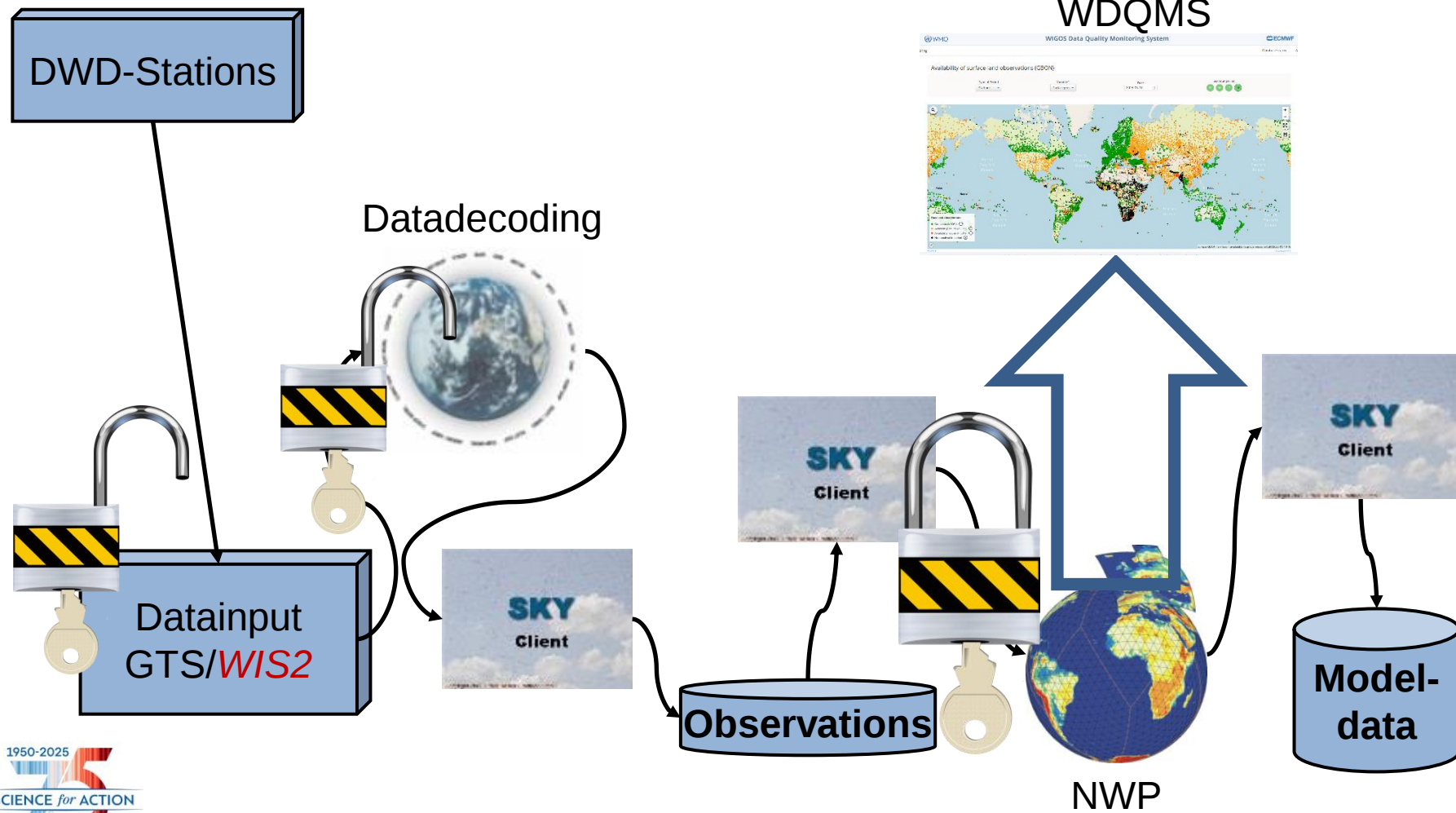


Benefits of connecting to WIS2



Benefits of connecting to WIS2

Dataflow and decoding



Benefits of connecting to WIS2

Your Road to WIS2

Setup / Implement WIS2 Node

Register Centre ID with WMO

GISC Of checks if your WIS2 setup follows the standards

Provide Metadata for your data

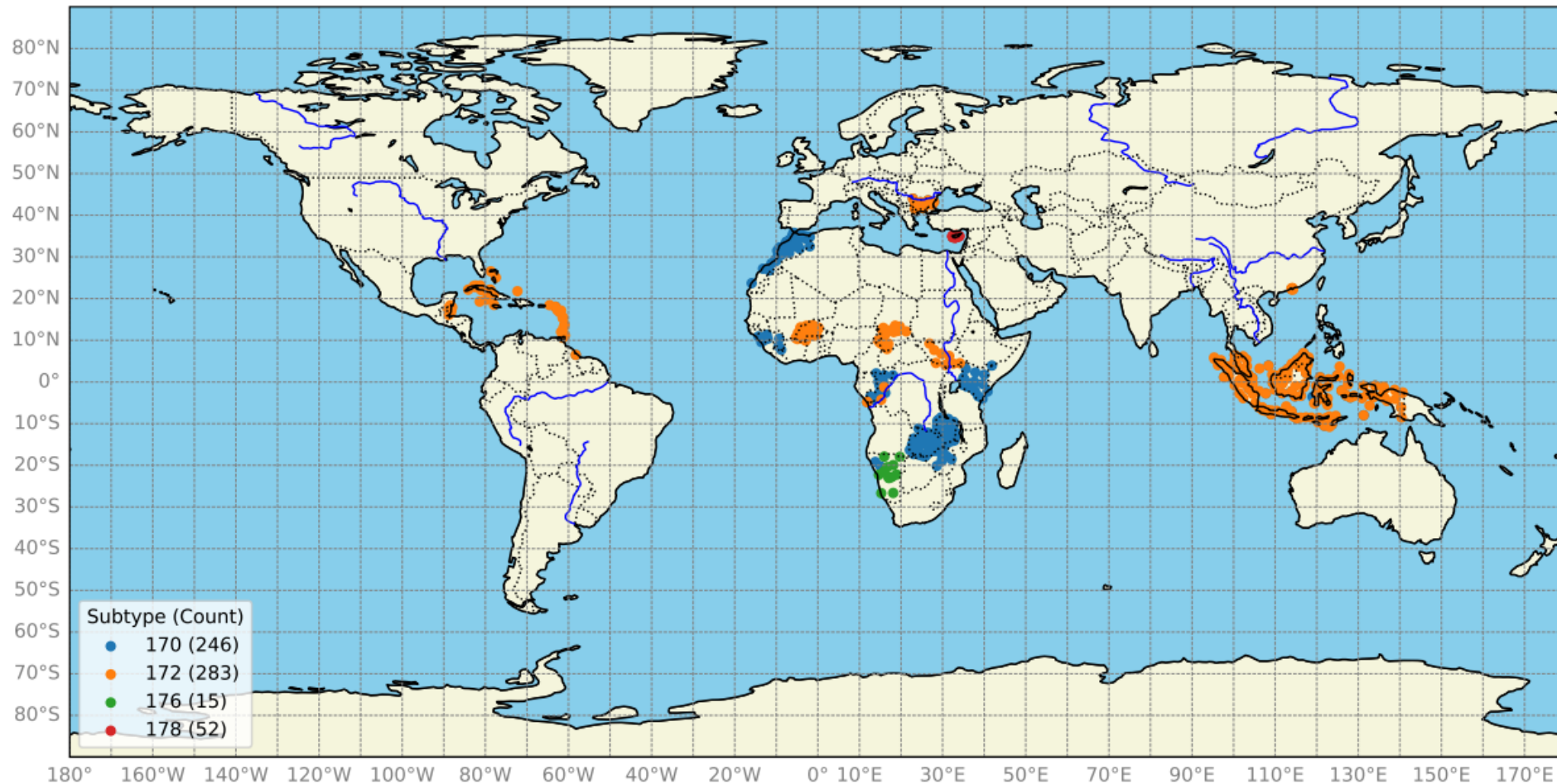
Publish data

- Check if needed data is available
- If not contact GISC Of
- If yes start using data from WIS2
 - Pywisdownloader or own implementation
- GTS data is available already

**If you are happy with your WIS2
there is a procedure to switch off your MSS...
(...if you are not an RTH)**

Benefits of connecting to WIS2

4DVAR: All WIS2 SYNOP Observations - 14 March 2025



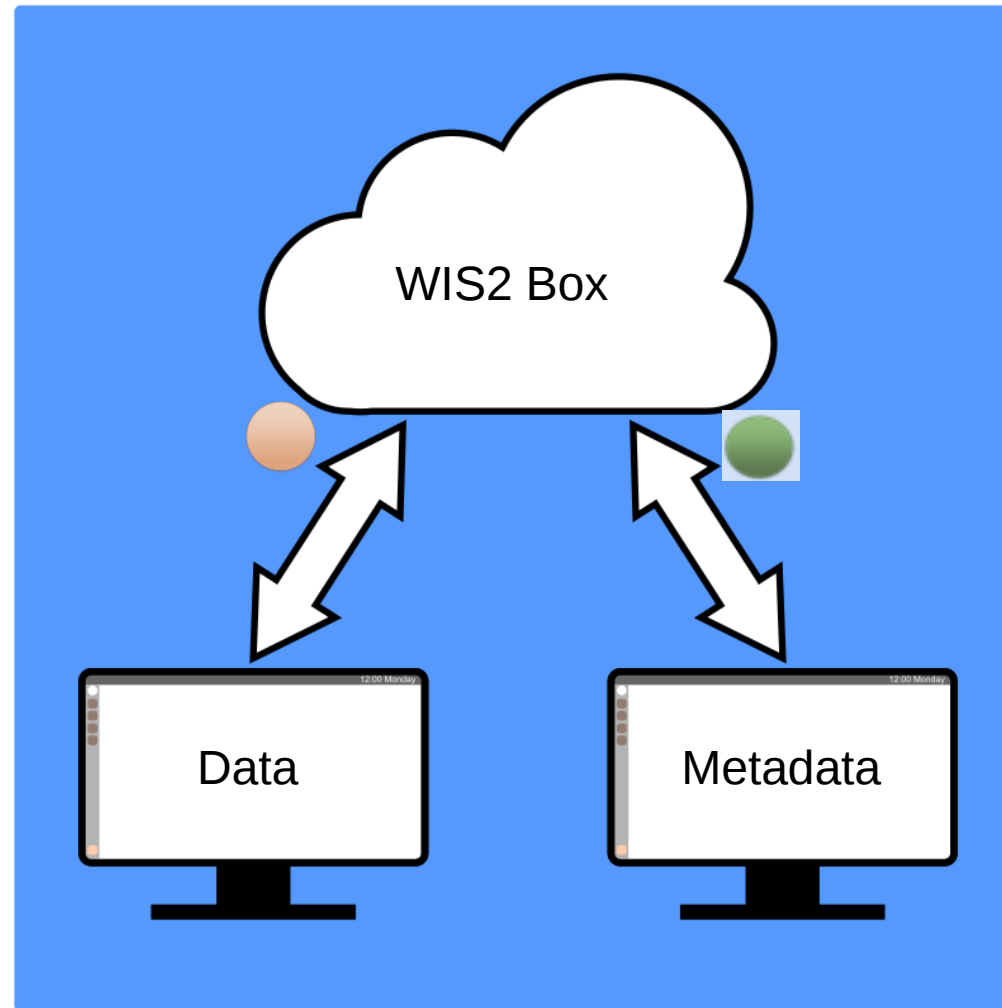
Source: ECMWF

Support from GISC Offenbach

- Monthly Q+A
- Support via wis@dwd.de
- Check compliance of WIS2 Nodes and assist in solving problems
- Provide different services

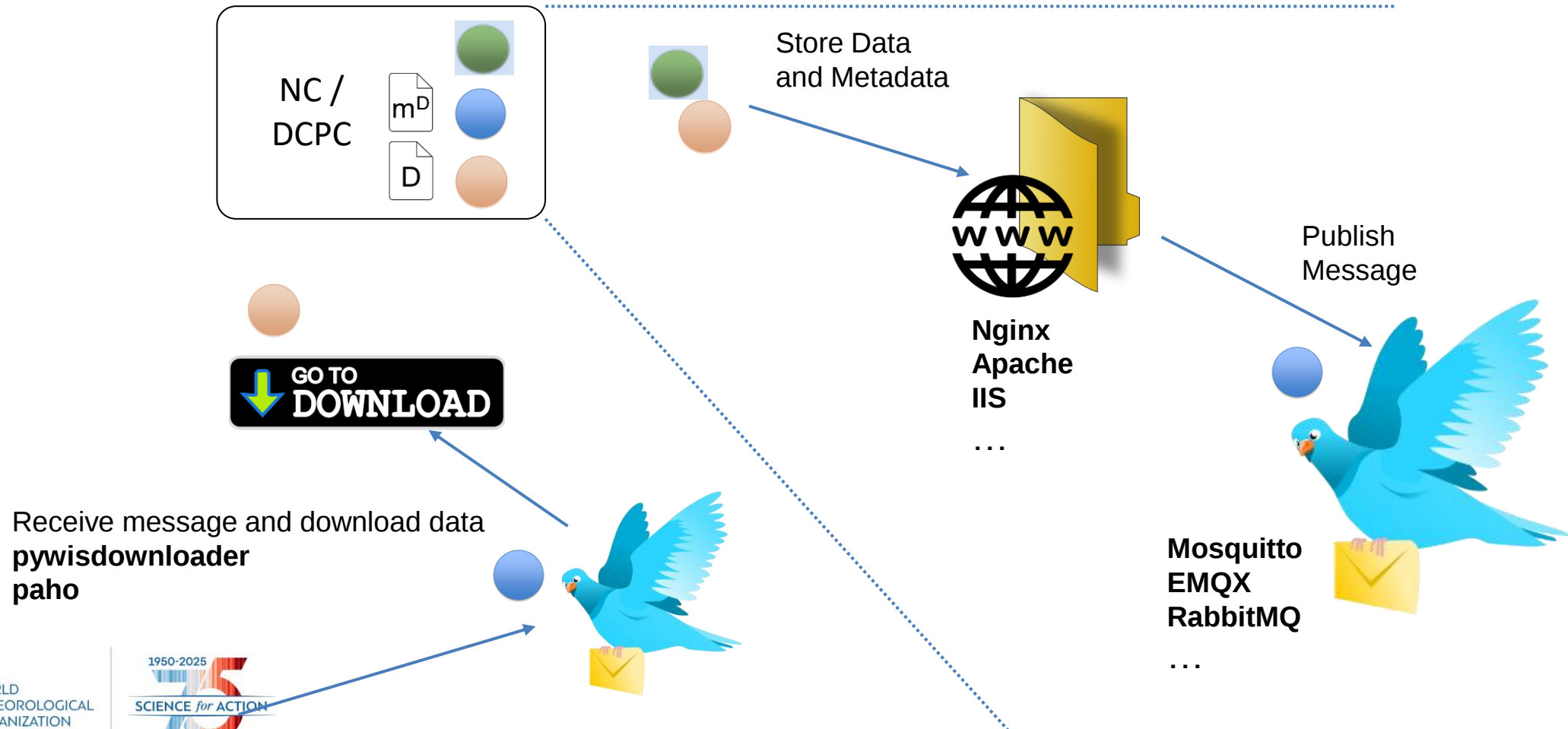
Support from GISC Offenbach

Use WIS2Box



Support from GISC Offenbach

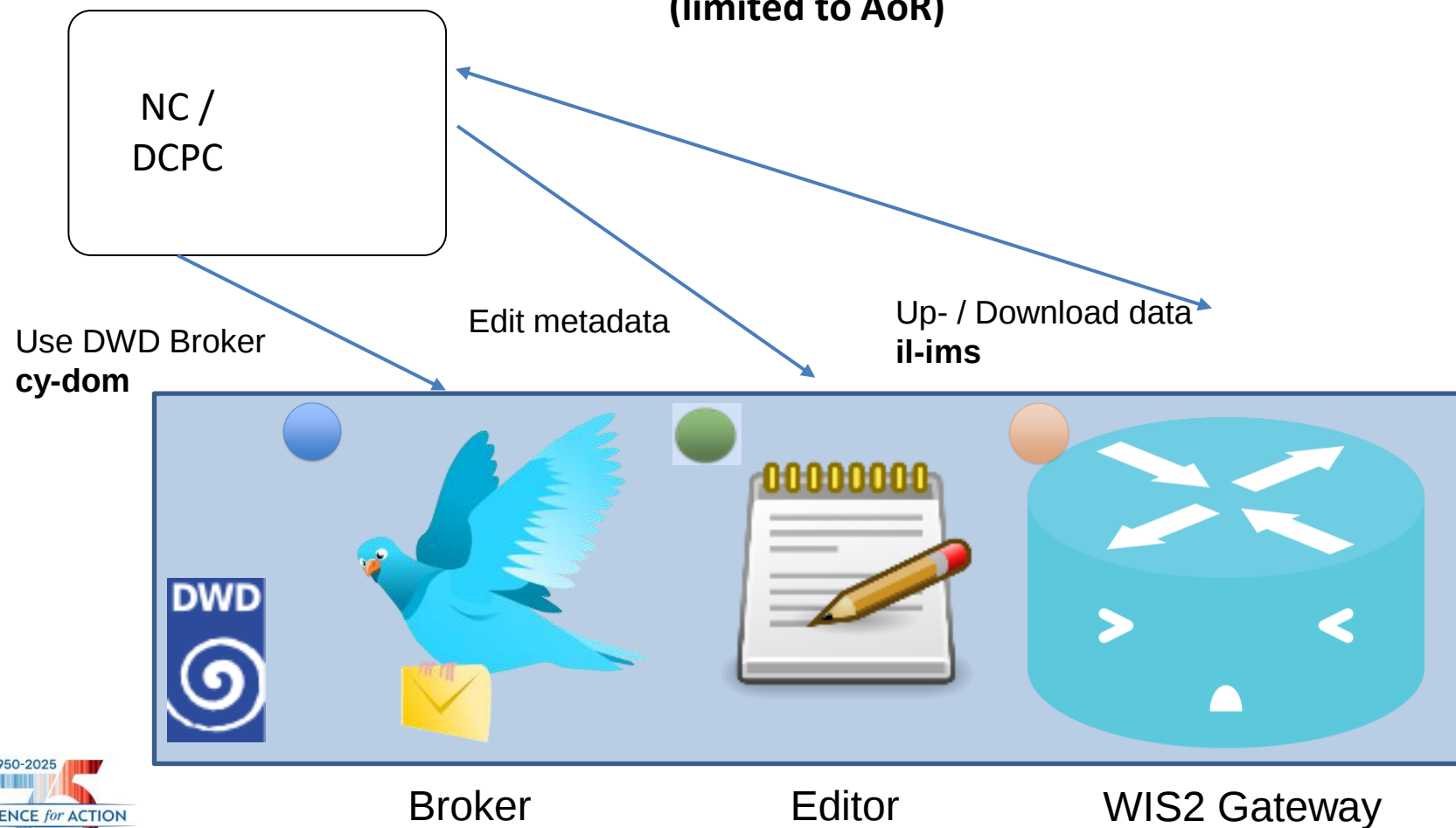
Use own solution



Support from GISC Offenbach

Use services from GISC Offenbach

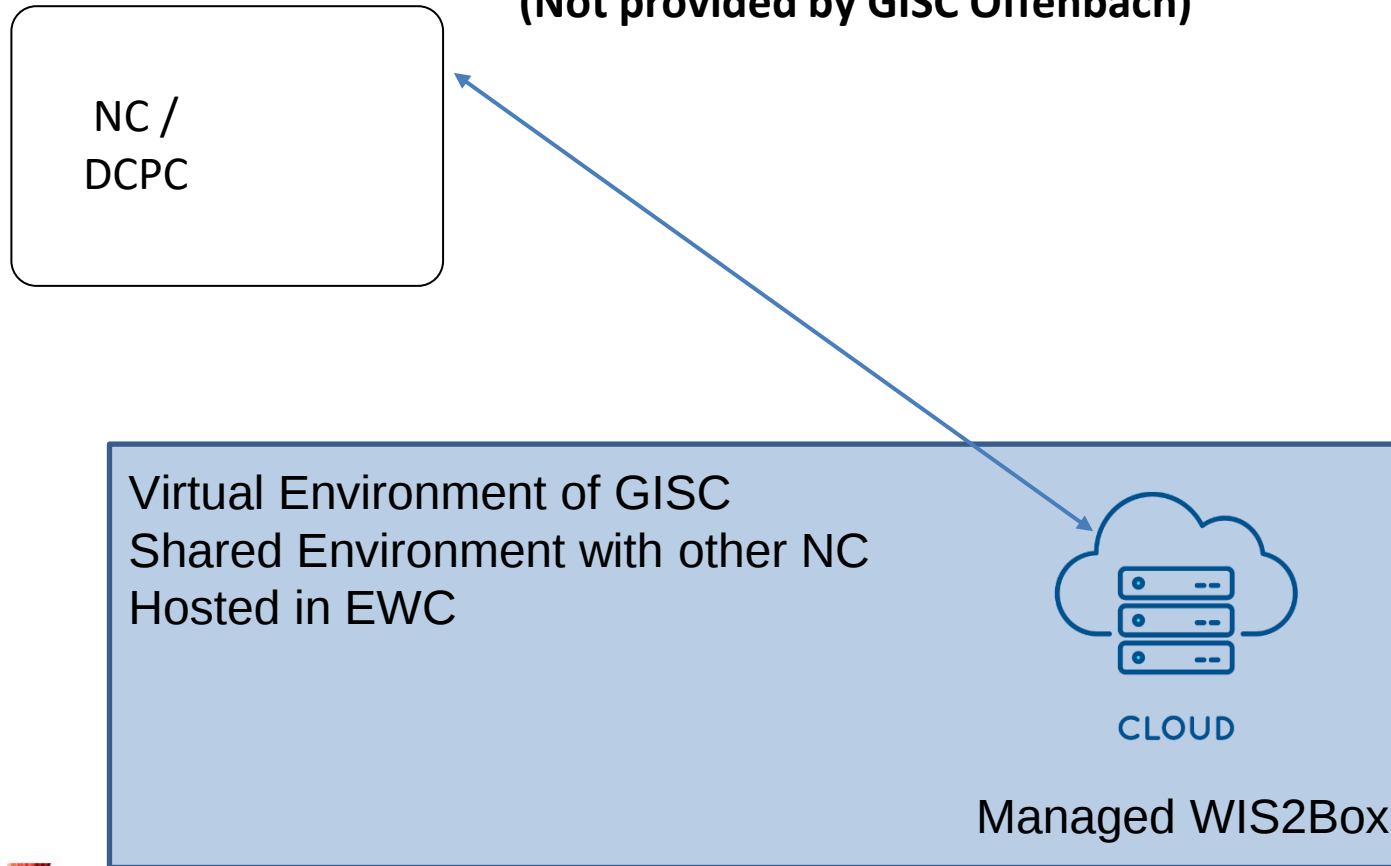
(limited to AoR)



Support from GISC Offenbach

Shared Services

(Not provided by GISC Offenbach)



WIS Portal of GISC Offenbach

<https://gisc.dwd.de>

- **WIS2 Catalogue** fully integrated
- Work in Progress:
Internet subscriptions
for WIS2 data

**Deutscher Wetterdienst**
Wetter und Klima aus einer Hand

HOME SRU GEOSS RSS SUBSCRIPTIONS METADATA ? SIGN IN/REGISTRATION

WIS-Portal

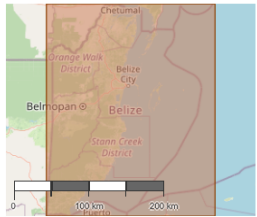
Search the WIS:

☐ combine search terms

Search

Showing results for: **Full Text Search (Terms combined with OR): synop**
49 matches - currently showing records 1 - 10
Filter by: [Region](#) | [Originator](#) | [Keywords](#) | [License](#) | [Metadata-Type](#) | [Creation Date](#) | ☐ Titles only | [≡](#) | [↺](#)

Result rows per page:



Hourly synoptic observations from fixed-land stations (SYNOP) (bz-nms)

Product: **urn:wmo:md:bz-nms:belize-hourly-synop**
Originator: **National Meteorological Service of Belize**
License: **core**
Topic: **wis2 > bz-nms > data > core > weather > surface-based-observations > synop**
[Keywords](#) | [Theme Keywords](#)
[Show product details...](#)

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[c Offenbach Data Protection](#)

Demonstration

<https://wis2.dwd.de/gdc>

<https://wis2.dwd.de/gdc/collections/wis2-discovery-metadata/items?q=dwd>

<https://gisc.dwd.de>



WMO OMM

World Meteorological Organization
Organisation météorologique mondiale

Thank you
Merci
Gracias
ارکشی
谢谢
Спасибо