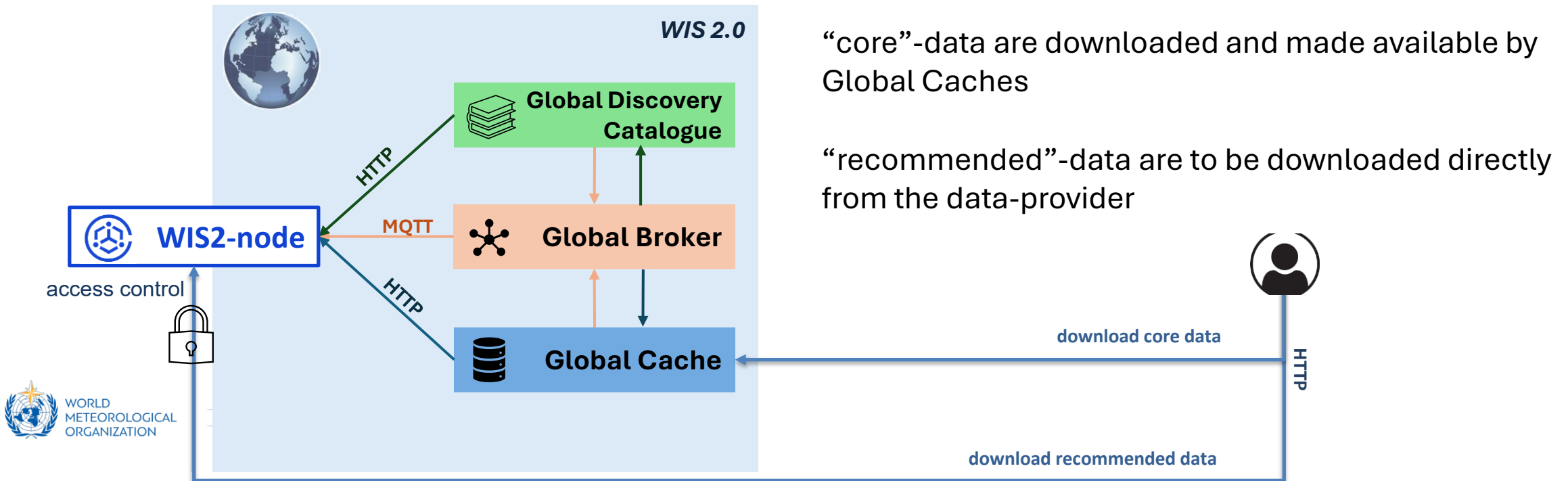# Recommended datasets in WIS2 and wis2box

WMO Data Policy and WIS2

The **WMO Unified Data Policy** describes **two categories of data**:

- **core** : data provided on a free and unrestricted basis
- **recommended** : data that has conditions on use defined by a license and which may be restricted using access controls

Please consult the WMO Unified Data Policy or other WMO publications to help determine the relevant data policy for your datasets

"core"-data are downloaded and made available by Global Caches

"recommended"-data are to be downloaded directly from the data-provider

Adding license for recommended data in wis2box

WCMP2 for a 'recommended'-dataset shall include a link with rel='licence'

Dataset-editor in wis2box-webapp requires you to provide a license-URL when setting WMO Data Policy = 'Recommended'

Centre ID
int-wmo-example

WMO Data Policy
recommended

Discipline topic
weather

Additional object added in links-array of WCMP2 :

License required for non-core data (provide valid URL)
https://mywebsite.com/license/my_dataset.html

```
{
        "rel": "license",
        "href": "https://mywebsite.com/license/my_dataset.html",
        "title": "License for this dataset",
        "type": "text/html"
}
```

A license URL can be provided by:
- URL on your organization website
- Public copyright license from Creative Commons
- The wis2box-instance itself, using a file in wis2box-public

WORLD METEOROLOGICAL ORGANIZATION

1950-2025
SCIENCE for ACTION

Aviation data in WIS2

The data provider is responsible for ensuring aviation data is shared per ICAO regulations

From the Guide to the WMO Information System, Volume II (WMO-No. 1061) section 2.8.1.1 :

"*Meteorological data is an essential input for public weather services and aviation services alike.* WIS2 provides the mechanism for data exchange in WMO. SWIM is the ICAO initiative to harmonize the provision of aeronautical, meteorological and flight information to support air traffic management (ATM). […]

During the WIS2 transition phase (2025–2033), meteorological data published via WIS2 will automatically be published to GTS via the WIS2-to-GTS gateways.*"

Aviation data on WIS2 is always recommended and should be accompanied by an appropriate license referring to ICAO

The wis2box-webapp will automatically set the data policy to recommended for datasets using aviation in the sub-discipline topic:

To use a custom license hosted by your wis2box-instance:
- Upload the file the "wis2box-public"-bucket in MinIO
- Use as the license-URL *<WIS2XBOX_URL>/data/<filename>*

WMO recommended data shall be downloaded directly from the WIS2 Node, *access can be open or restricted*
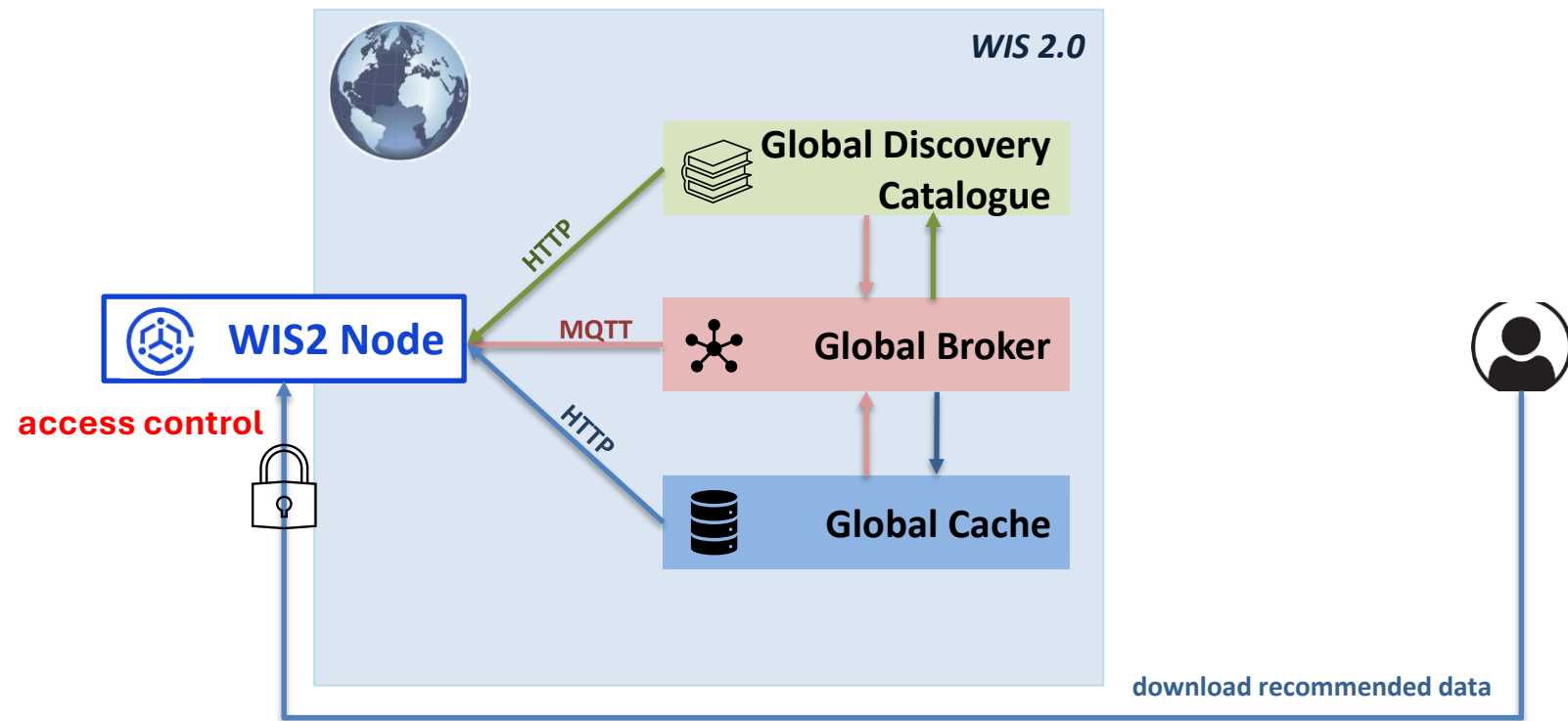
access control in wis2box

Within wis2box datasets can be made restricted by adding a token using 'wis2box auth' commands:

```
wis2box auth add-token --metadata-id urn:wmo:md:mw-mw_met_centre:surface-weather-observations Secr3tT0ken1!
```

To access a restricted dataset Data Consumers should include the token in the HTTP-request-headers:

```
curl -H "Authorization: Bearer Secr3tT0ken1!" "<canonical-url>"
```
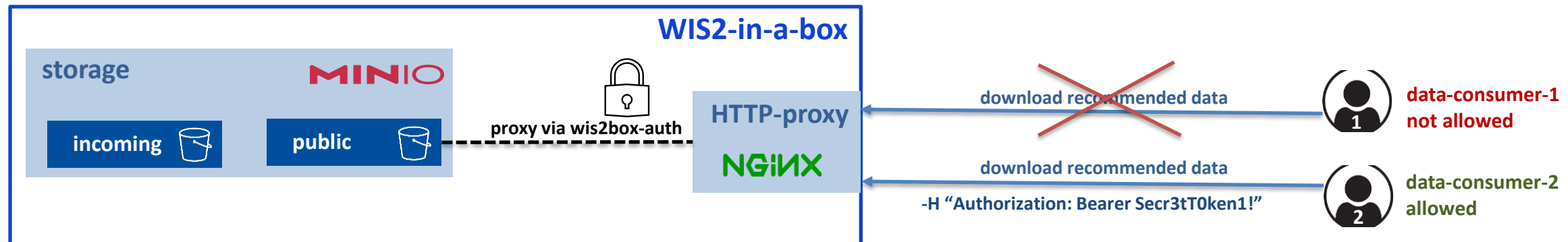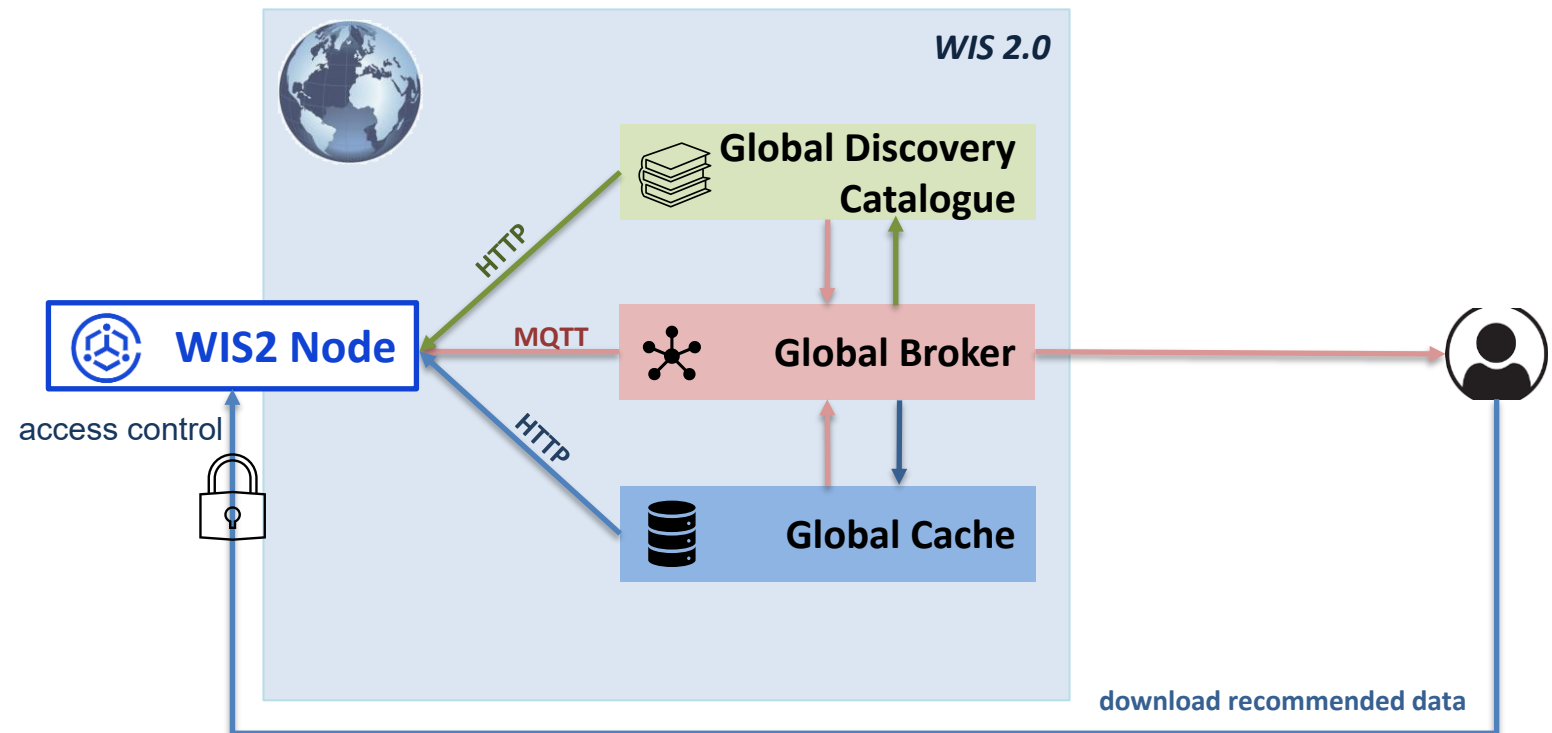

Datasets published on *origin/a/wis2/.../data/core/...* should **_never_** be restricted

Datasets published on *origin/a/wis2/.../data/recommended/...* **_can_ be** restricted to limit data sharing to specific data consumers

Summary

Recommended data in WIS2 **MUST include a license URL** in the metadata record
wis2box-instance can host the license-file if required

Recommended data in WIS2 **MAY be access controlled**
wis2box provides the option to add access-control using an authentication token

Thank you
Спасибо