

# WIS2 GISC Watch Guide

# **World Meteorological Organization**

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# **Chapter 1. PART 0. Introduction**

The overall service performance of the WMO Information System 2.0 (WIS2) relies on the operational quality of all Global Services. The WIS2 monitoring procedure was launched in April 2025, succeeding the WIS1 Watch, which had been active from 2017 through 2024. This Guide was first developed in 2020 to standardize the procedures for GISC Watch operation in accordance with the Resolution 57 (Cg-18) and the feedbacks from GISC based on their experience of the WISC Watch practice. This 2025 edition aims at adapting the procedures to WIS2. It is intended to assist GISCs in fulfilling their GISC Watch responsibilities.

This guide presents the procedures to be used:

1. Procedures for Take over
2. Procedures for Monitoring
3. Procedures for Issue Management
4. Procedures for Hand over
5. Procedure for Escalation

# Chapter 2. PART I. Procedures for Take over

Procedure to use when a GISC starts its GISC watch period:

(a). Take over the GISC Watch duty according to the agreed roster.

The GISC Watch roster is available here: [https://community.wmo.int/en/activity-areas/wis/gisc\\_watch](https://community.wmo.int/en/activity-areas/wis/gisc_watch)

(b). Handover acknowledgement

- Accept the hand-over-report from previous GISC
- Send an acknowledgement to confirm receipt.

Note: To ensure the continuity of GISC Watch, the incoming GISC must begin monitoring duties at the start of its roster period even if the handover email/report has not yet been received.

Sample takeover email:

From: GISC Beijing  
To: GISC Toulouse  
Cc: gisc-ops@groups.wmo.int,wis@wmo.int  
Subject: GISC WATCH Takeover (16-30 April) confirmed: GISC Watch Report 01-15 April 2025

Dear GISC Toulouse,  
Thank you for your efforts and the handover report.  
GISC Beijing will take over the duty from April 16th to 30th 2025.  
Best regards,  
GISC Beijing

(c). Review open tickets

At the beginning of its monitoring period, review any open tickets from the previous period.

# Chapter 3. PART II. Procedures for Monitor

Procedure to use by the GISC on duty during the monitoring period.

Basic Principles:

1. The GISC Watch's goal is focusing on the Global Services level (Global Broker, Global Cache, Global Discovery Catalogue, Global Monitoring).
2. Issues regarding data coming from WIS2Nodes are managed by GISCs according to their AoR (Area of Responsibility). The GISC Watch can pinpoint issues to the GISCs, but this is not mandatory.
3. A large part of the monitoring activity is already performed on the Global Monitoring level, with JIRA tickets to be automatically initiated.

The following table shall be filled in, by checking Global Monitoring metrics (see detailed information how to get the figures after the table):

For GM-China Dashboard:

The figure consists of five screenshots illustrating the navigation steps to select a dashboard in Grafana:

- Screenshot 1:** Shows the Grafana login screen at <https://gm.wis.cma.cn>. A yellow box labeled '1' highlights the 'Welcome to Grafana' header. The login form has 'wis2-user' entered in the Email or username field and a password entered in the Password field. A blue 'Log in' button is visible.
- Screenshot 2:** Shows the Grafana home page after logging in. A red circle highlights the 'Home' link in the top left. A yellow box labeled '2' is placed over the 'Home' link.
- Screenshot 3:** Shows the 'Dashboards' section of the Grafana sidebar. A red circle highlights the 'Dashboards' link. A yellow box labeled '3' is placed over the 'Dashboards' link.
- Screenshot 4:** Shows the 'Dashboards' list page. A red circle highlights the 'Shared with me' filter option. A yellow box labeled '4' is placed over the 'Shared with me' filter.
- Screenshot 5:** Shows the 'Dashboards' list page with the 'Shared with me' filter applied. A red circle highlights the 'wis2-gisc-GB' dashboard. A yellow box labeled '5' is placed over the 'wis2-gisc-GB' dashboard entry.

wis2-gisc-GB - WIS2-GISC - Dashboards

https://gm.wis.cma.cn/d/dep7n91dell34a/wis2-gisc-gb?orgId=1&refresh=30m&var-gisc=All&var-centre\_id=All&var-gb\_report\_id=br-inmet-global-broke...

Search or jump to...

Last 6 hours GMT 6

Select a time range 7

Absolute time range 8

From: 2025-06-01 00:00:00 To: 2025-06-01 23:59:59

Apply time range 9

WIS2 Nodes Total Messages: 74

Publishing Wi: 66

WIS2 Nodes Total Messages: 74

Publishing Without Metadata: 66

Using Invalid Message For: 4

Using Invalid Message For: 2

Silent (no msg over): 1

centre\_id Received Public

centre\_id No Metadata %Total received

Africa/Accra Ghana, GMT UTC+00:00 Change time settings

wis2-gisc-GB - WIS2-GISC - Dashboards

https://gm.wis.cma.cn/d/dep7n91dell34a/wis2-gisc-gb?orgId=1&refresh=30m&var-gisc=All&var-centre\_id=All&var-gb\_report\_id=br-inmet-global-broke...

Share | Last 6 hours GMT | 2025-06-01 00:00:00 to 2025-06-01 23:59:59

GISC All centre\_id All gb\_report\_id Enter variable value 9

Global Cache (Data) Global Discover

GB for GISCs

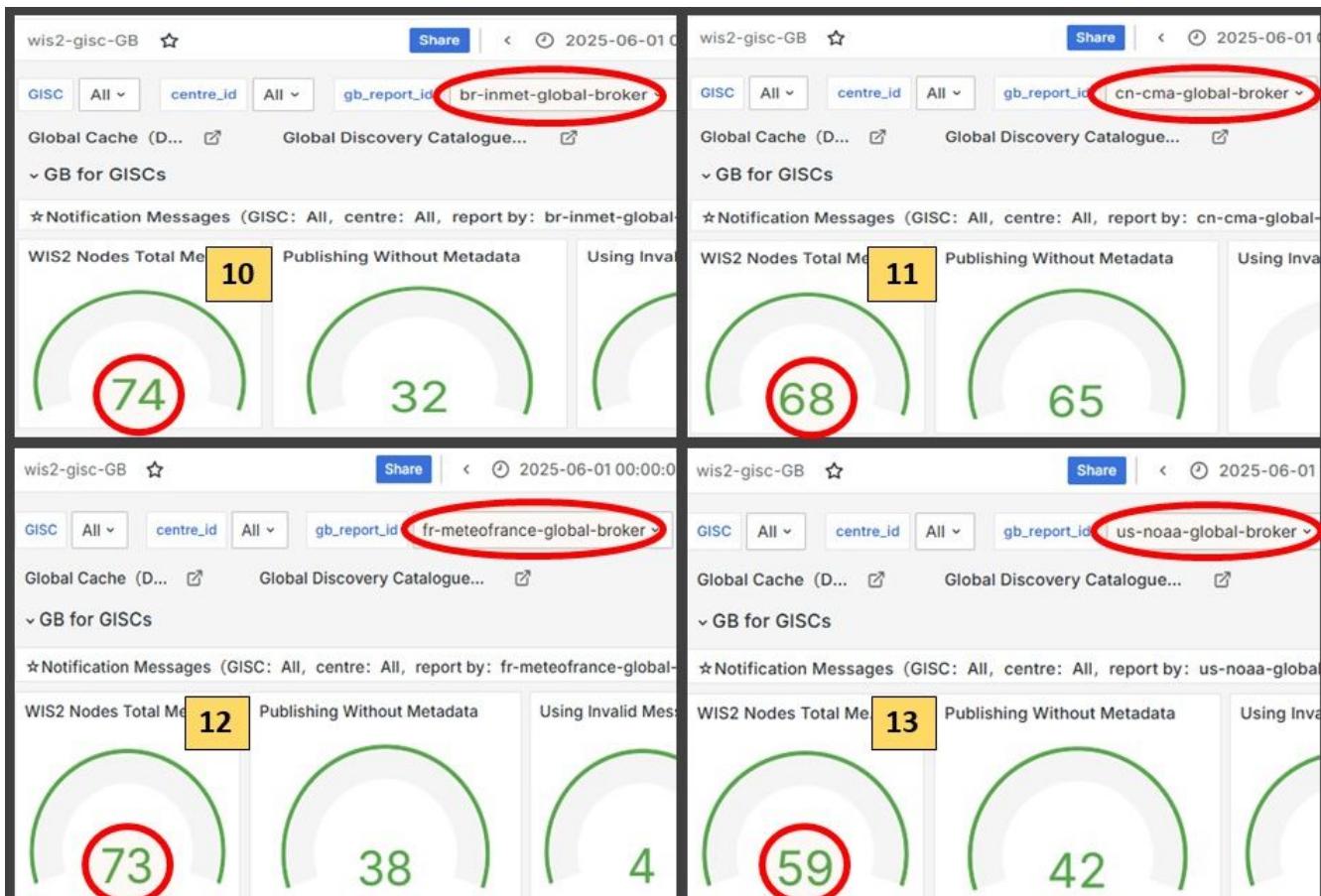
Notification Messages (GISC: All, centre: All, report\_id: br-inmet-global-broker)

WIS2 Nodes Total Messag... Publishing With... Invalid Message For... Using Invalid Mess... Silent (no msg over...)

73 38 4 2 1

centre\_id Received Public

centre\_id No Metadata %Total received



The figure shows two browser windows side-by-side. The left window is titled 'Dashboards - Grafana' and has a URL 'https://gm.wis.cma.cn/dashboards'. It displays a sidebar with 'Home', 'Starred', 'Dashboards' (which is circled in red and has a yellow box labeled '14'), 'Alerting', and 'Administration'. Below this is a 'Dashboards' section with a search bar and a 'Name' filter. Under 'Name', there are entries for 'WIS2-GISC' and 'WIS2-Global Services'. The right window is titled 'WIS2-GISC - Dashboards - Grafana' and has a URL 'https://gm.wis.cma.cn/dashboards/f/feava5s6dtn9cb/'. It shows a similar sidebar and a 'WIS2-GISC' section. In this section, 'Dashboards' is highlighted with a red border. Below it is a 'Name' filter with entries: 'Global Brokers Connection Status', 'wis2-gisc-GB' (circled in red), 'wis2-gisc-GC' (circled in red and has a yellow box labeled '15'), and 'wis2-gisc-GDC'.

wis2-gisc-GC

Share | Last 24 hours GMT 16

Select a time range | Absolute time range | Search quick ranges

From: 2025-06-01 00:00:00 | To: 2025-06-01 23:59:59

Apply time range

Global Broker (Notification me...)

GC for GISCs

Data Downloaded (GISC: All, centre\_id: All, report\_by: cn-cma-global-cache)

WIS2 Node

16

wis2-gisc-GC - WIS2-GISC - Dash

https://gm.wis.cma.cn/d/fep7ndffdb0g0f/wis2-gisc-gc?orgId=1&from=1748736000000&to=1748822399000

Search or jump to... | ctrl+k

Home > Dashboards > WIS2-GISC > wis2-gisc-GC

Share | 2025-06-01 00:00:00

Home | Starred | Dashboards | Alerting | Administration

GISC | All | centre\_id | All | gc\_report\_id | Enter variable value

Global Broker (Notification me...)

GC for GISCs

Data Downloaded (GISC: All, centre\_id: All, report\_by: cn-cma-global-cache)

WIS2 Nodes Total Downloaded

cn-cma-global-cache  
data-metoffice-noaa-global-cache  
de-dwd-global-cache  
jp-jma-global-cache  
kr-kma-global-cache  
sa-ncm-global-cache

wis2-gisc-GC

Share | 2025-06-01

GISC | All | centre\_id | All | gc\_report\_id | cn-cma-global-cache

Global Broker (Notification me...)

GC for GISCs

Data Downloaded (GISC: All, centre\_id: All, report\_by: cn-cma-global-cache)

WIS2 Nodes Total Downloaded 17

67

wis2-gisc-GC

Share | 2025-06-01 00:00:00

GISC | All | centre\_id | All | gc\_report\_id | data-metoffice-noaa-global-cache

Global Broker (Notification me...)

GC for GISCs

Data Downloaded (GISC: All, centre\_id: All, report\_by: data-metoffice-noaa-global-cache)

WIS2 Nodes Total Downloaded 18

72

wis2-gisc-GC

Share | 2025-

GISC | All | centre\_id | All | gc\_report\_id | de-dwd-global-cache

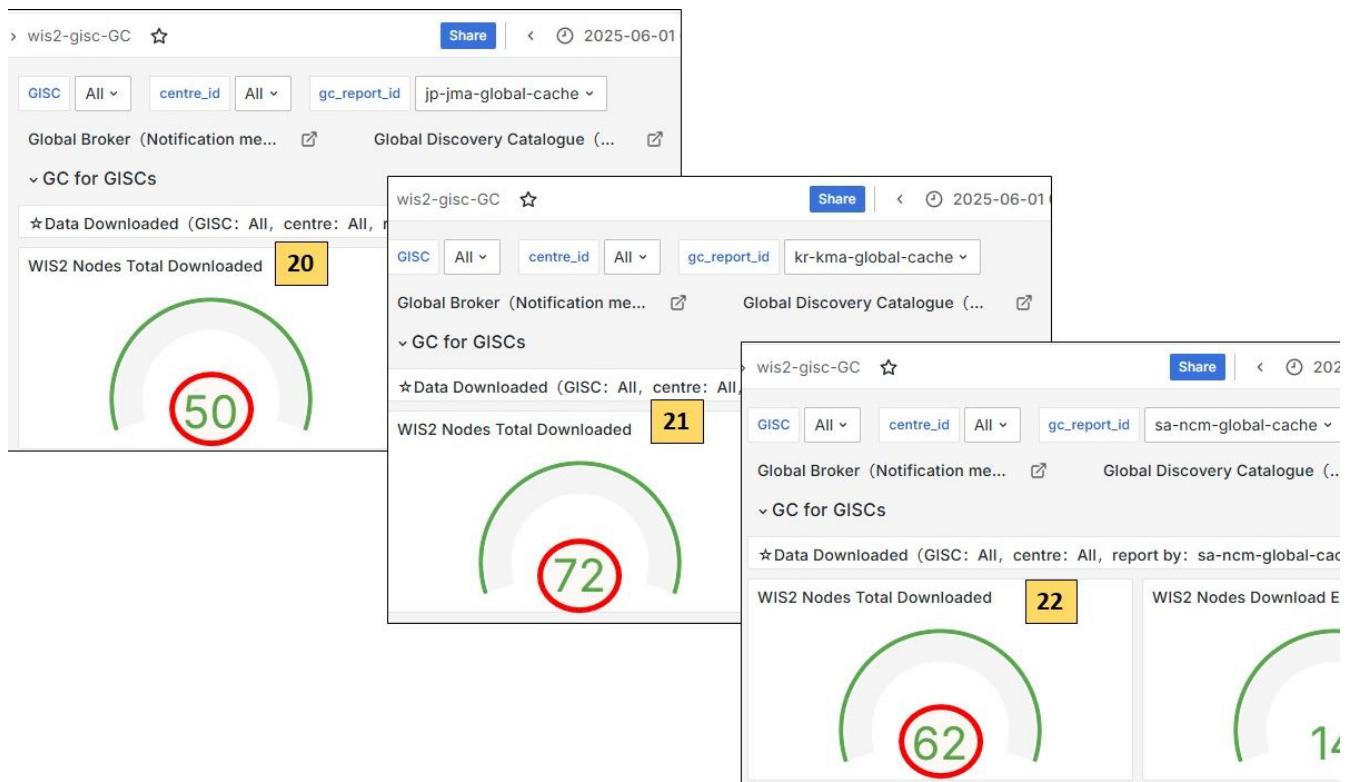
Global Broker (Notification me...)

GC for GISCs

Data Downloaded (GISC: All, centre\_id: All, report\_by: de-dwd-global-cache)

WIS2 Nodes Total Downloaded 19

No data



| Global Service  | Roster start | Optional additional dates  | Roster end |  |
|---|--------------|--|------------|--|
| Global Monitorings Test source  | 01/06/2025   | 02/06/2025 03/06/2025 04/06/2025 05/06/2025 06/06/2025 07/06/2025 08/06/2025 09/06/2025 10/06/2025 11/06/2025 12/06/2025 13/06/2025 14/06/2025 15/06/2025 16/06/2025 |            |  |
| GM China GISC <a href="https://gm.wis.cma.c">https://gm.wis.cma.c</a>   | connect ok   |  |            |  |
| GM China GS <a href="https://gm.wis.cma.c">https://gm.wis.cma.c</a>     | connect ok   |  |            |  |
| GM Morocco GISC <a href="http://wis2gmc.maroc">http://wis2gmc.maroc</a> | connect ok   |  |            |  |
| <b>Global Brokers</b>   |              |  |            |  |
| Availability based on « WIS2 Nodes Total M                              | 01/06/2025   | 02/06/2025 03/06/2025 04/06/2025 05/06/2025 06/06/2025 07/06/2025 08/06/2025 09/06/2025 10/06/2025 11/06/2025 12/06/2025 13/06/2025 14/06/2025 15/06/2025 16/06/2025 |            |  |
| GB Brazil GM China  | 74           |  |            |  |
| GB Brazil GM Morocco  |              |  |            |  |
| GB China GM China   | 68           |  |            |  |
| GB China GM Morocco   |              |  |            |  |
| GB France GM China  | 73           |  |            |  |
| GB France GM Morocco  |              |  |            |  |
| GB US GM China  | 59           |  |            |  |
| GB US GM Morocco  |              |  |            |  |
| <b>Global Caches</b>  |              |  |            |  |
| WIS2 Nodes Total Downloaded over past 24                                | 01/06/2025   | 02/06/2025 03/06/2025 04/06/2025 05/06/2025 06/06/2025 07/06/2025 08/06/2025 09/06/2025 10/06/2025 11/06/2025 12/06/2025 13/06/2025 14/06/2025 15/06/2025 16/06/2025 |            |  |
| GC CN CMA GM China  | 67           |  |            |  |
| GC CN CMA GM Morocco  |              |  |            |  |
| GC MO NOAA US/UN GM China   | 72           |  |            |  |
| GC MO NOAA US/UN GM Morocco   |              |  |            |  |
| GC DE DWD GM China  | No data      |  |            |  |
| GC DE DWD GM Morocco  |              |  |            |  |
| GC JP JMA GM China  | 50           |  |            |  |
| GC JP JMA GM Morocco  |              |  |            |  |
| GC KR KMA GM China  | 72           |  |            |  |
| GC KR KMA GM Morocco  |              |  |            |  |
| GC SA NCM GM China  | 62           |  |            |  |
| GC SA NCM GM Morocco  |              |  |            |  |
| <b>Global Discovery Catalogue</b>                                       | 01/06/2025   | 02/06/2025 03/06/2025 04/06/2025 05/06/2025 06/06/2025 07/06/2025 08/06/2025 09/06/2025 10/06/2025 11/06/2025 12/06/2025 13/06/2025 14/06/2025 15/06/2025 16/06/2025 |            |  |
| GDC EC <a href="https://wis2-gdc.wetat">https://wis2-gdc.wetat</a>      | connect ok   |  |            |  |
| GDC CMA <a href="https://gdc.wis.cma.c">https://gdc.wis.cma.c</a>       | connect ok   |  |            |  |
| GDC DWD <a href="https://wis2.dwd.de/g">https://wis2.dwd.de/g</a>       | connect ok   |  |            |  |

## For GM-Morocco Dashboard:

<https://wis2gmc.marocmeteo.ma>

1

Welcome to Global Monitor  
Morocco

Email or username  
gisc-user

Password  
\*\*\*\*\*

Logging in...

[Forgot your password?](#)

2

Home > Dashboards

Dashboards

Create and manage dashboards to visualize your data

Search for dashboards and folders

| Name           | Tags      |
|----------------|-----------|
| Shared with me | wls2-gisc |

3

Home > Dashboards > wls2-gisc

wls2-gisc

Manage folder dashboards and permissions

Search for dashboards and folders

| Name          | Tags |
|---------------|------|
| wls2-gisc-GB  |      |
| wls2-gisc-GC  |      |
| wls2-gisc-GDC |      |

2

Select a time range

June 2025

| Mon | Tue | Wed | Thu | Fri | Sat | Sun |
|-----|-----|-----|-----|-----|-----|-----|
| 26  | 27  | 28  | 29  | 30  | 31  | 1   |
| 2   | 3   | 4   | 5   | 6   | 7   | 8   |
| 9   | 10  | 11  | 12  | 13  | 14  | 15  |
| 16  | 17  | 18  | 19  | 20  | 21  | 22  |
| 23  | 24  | 25  | 26  | 27  | 28  | 29  |
| 30  | 1   | 2   | 3   | 4   | 5   | 6   |

Absolute time range

From: 2025-06-16 00:00:00

To: 2025-06-16 23:59:59

Search quick ranges

Last 5 minutes

Last 15 minutes

Last 30 minutes

Last 1 hour

Last 3 hours

Last 6 hours

Last 12 hours

Last 24 hours

3

GISC All centre\_id

Global Cache (Data)

GB for GISCs

Notification Messages

WIS2 Nodes Total Message

66

centre\_id Received

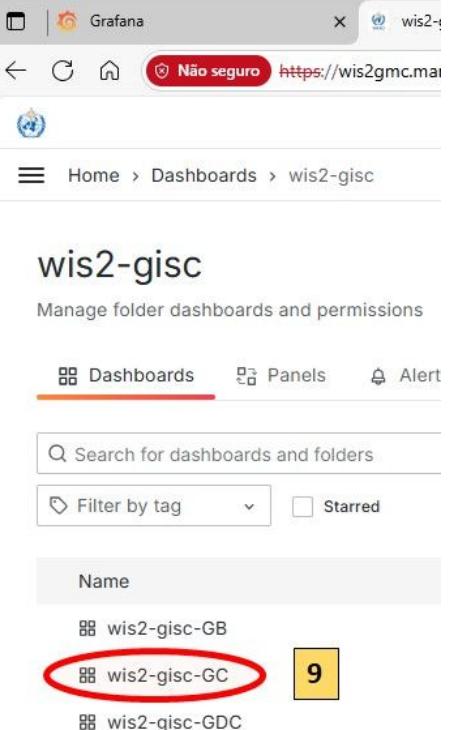
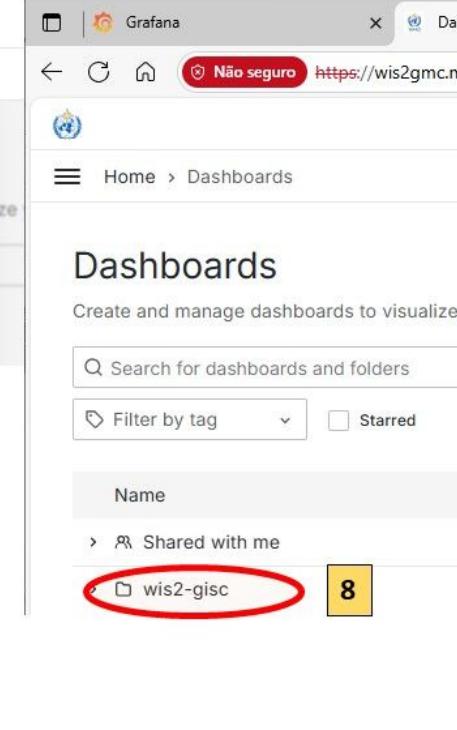
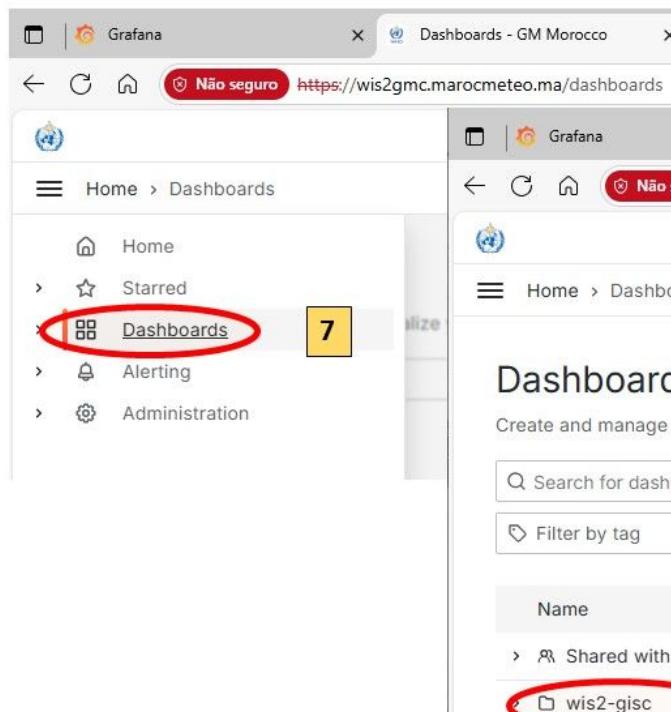
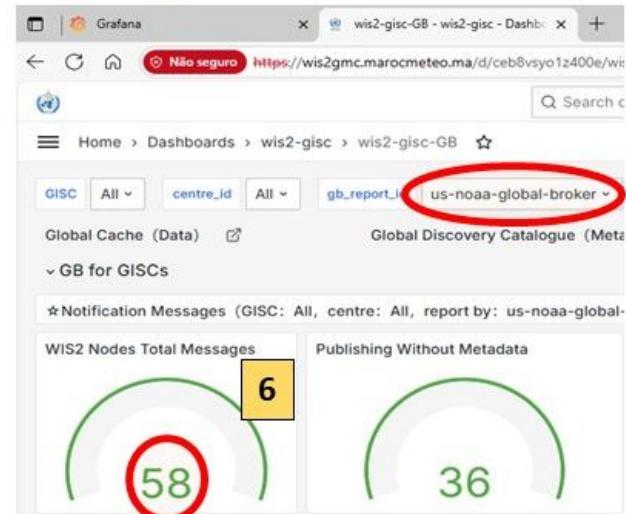
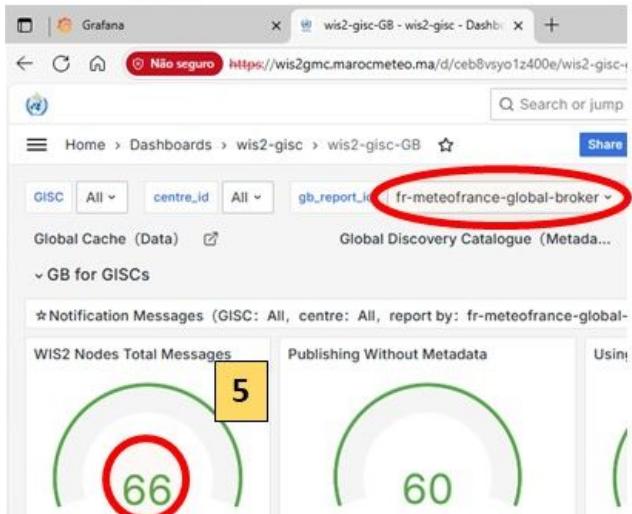
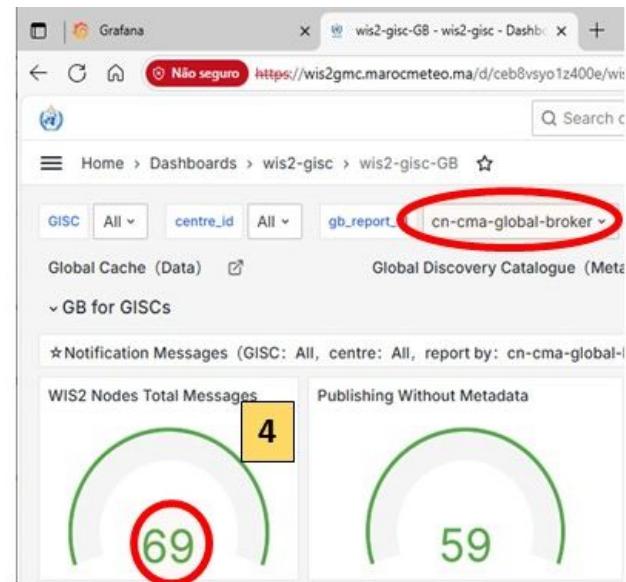
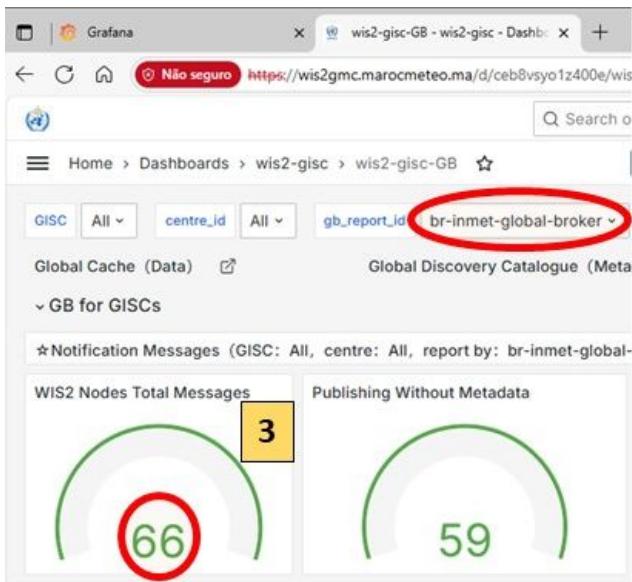
Enter variable value

br-inmet-global-broker

cn-cma-global-broker

fr-meteofrance-global-broker

us-noaa-global-broker



**10**

Select a time range | Absolute time range | Search quick range

From: 2025-06-16 00:00:00 | To: 2025-06-16 23:59:59 | Apply time range

Recently used absolute ranges:

- 2025-06-16 00:00:00 - 23:59:59
- 2025-06-15 00:00:00 - 23:59:59

**11**

Enter variable value

Global Broker (Notification mess... | ✓ GC for GISCs | star Data Downloaded (GISC: All, centre: All, report by: cn-cma-global-cache)

WIS2 Nodes Total Downloaded

11

**12**

Share | 2025-06-16

GISC | All | centre\_id | All | gc\_report\_id | cn-cma-global-cache

Global Broker (Notification mess... | ✓ GC for GISCs | star Data Downloaded (GISC: All, centre: All, report by: cn-cma-global-cache)

WIS2 Nodes Total Downloaded

**13**

Share | 2025-06-16 00:00:00

GISC | All | centre\_id | All | gc\_report\_id | data-metoffice-noaa-global-cache

Global Broker (Notification mess... | ✓ GC for GISCs | star Data Downloaded (GISC: All, centre: All, report by: data-metoffice-noaa-global-cache)

Global Discovery Catalogue...

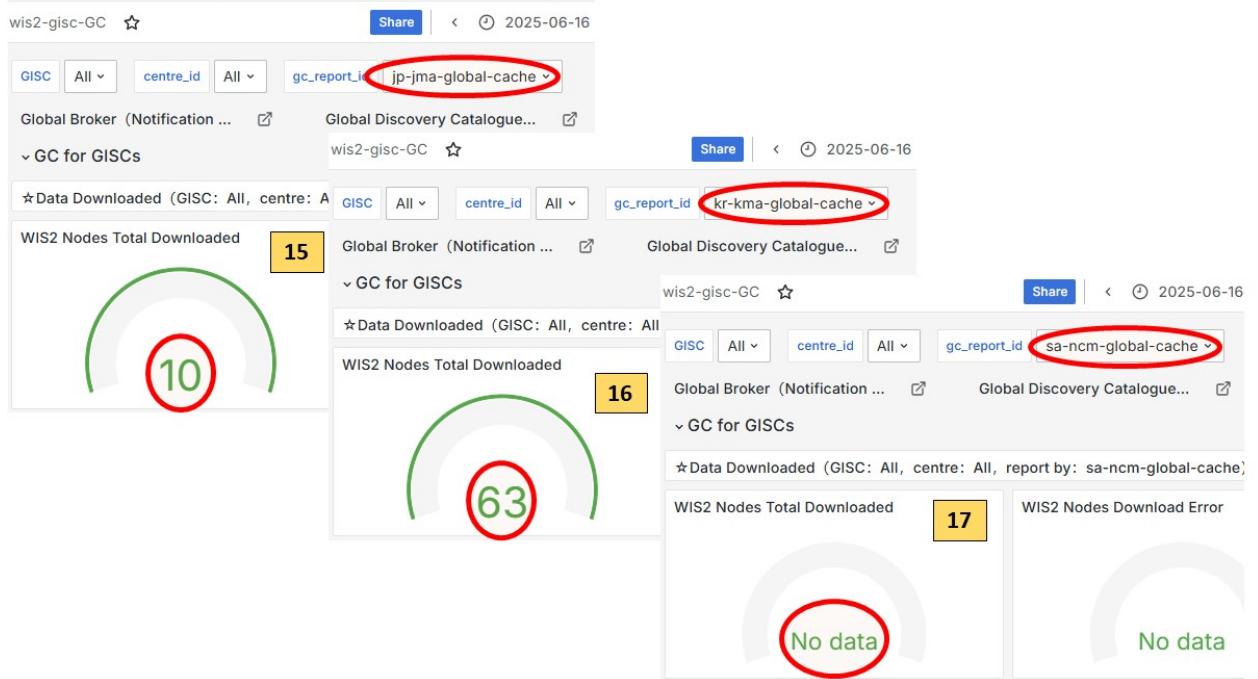
**14**

Share | 2025-06-16

GISC | All | centre\_id | All | gc\_report\_id | de-dwd-global-cache

Global Broker (Notification mess... | ✓ GC for GISCs | star Data Downloaded (GISC: All, centre: All, report by: de-dwd-global-cache)

WIS2 Nodes Total Downloaded | WIS2 Nodes Download Error



| Global Service   | Roster start  | Optional additional dates   | Roster end |
|--|---|---|------------|
| Global Monitorings Test source   | 01/06/2025 02/06/2025 03/06/2025 04/06/2025 05/06/2025 06/06/2025 07/06/2025 08/06/2025 09/06/2025 10/06/2025 11/06/2025 12/06/2025 13/06/2025 14/06/2025 15/06/2025 16/06/2025 |   |            |
| GM China GISC <a href="https://gm.wis.cma.cn">https://gm.wis.cma.cn</a>            | connect ok  |   | connect ok |
| GM China GS <a href="https://gm.wis.cma.cn">https://gm.wis.cma.cn</a>              | connect ok  |   | connect ok |
| GM Morocco GISC <a href="http://wis2gmc.maroc">http://wis2gmc.maroc</a>            | connect ok  |   | connect ok |
| Global Brokers   | Availability based on WIS2 Nodes Total Downloaded over past 24 hours  | 01/06/2025 02/06/2025 03/06/2025 04/06/2025 05/06/2025 06/06/2025 07/06/2025 08/06/2025 09/06/2025 10/06/2025 11/06/2025 12/06/2025 13/06/2025 14/06/2025 15/06/2025 16/06/2025 | 16/06/2025 |
| GB Brazil  | GM China  | 74  | 66         |
| GB Brazil  | GM Morocco  | 68  | 69         |
| GB China   | GM China  | 73  | 66         |
| GB France  | GM China  | 59  | 58         |
| GB US  | GM China  | No data   | 18         |
| Global Caches  | WIS2 Nodes Total Downloaded over past 24 hours  | 01/06/2025 02/06/2025 03/06/2025 04/06/2025 05/06/2025 06/06/2025 07/06/2025 08/06/2025 09/06/2025 10/06/2025 11/06/2025 12/06/2025 13/06/2025 14/06/2025 15/06/2025 16/06/2025 | 16/06/2025 |
| GC CN CMA  | GM China  | 67  | 70         |
| GC CN CMA  | GM Morocco  | 72  | 63         |
| GC MO NOAA US/UK   | GM China  | 50  | 09         |
| GC MO NOAA US/UK   | GM Morocco  | 72  | 10         |
| GC DE DWD  | GM China  | No data   | 19         |
| GC DE DWD  | GM Morocco  | 62  | 63         |
| GC JP JMA  | GM China  | 62  | No data    |
| GC KR KMA  | GM China  | 62  | 63         |
| GC SA NCM  | GM China  | 62  | No data    |
| Global Discovery Catalogue   | 01/06/2025 02/06/2025 03/06/2025 04/06/2025 05/06/2025 06/06/2025 07/06/2025 08/06/2025 09/06/2025 10/06/2025 11/06/2025 12/06/2025 13/06/2025 14/06/2025 15/06/2025 16/06/2025 |   |            |
| GDC EC <a href="https://wis2-gdc.weather.gc.ca">https://wis2-gdc.weather.gc.ca</a> | connect ok  |   | connect ok |
| GDC CMA <a href="https://gdc.wis.cma.cn">https://gdc.wis.cma.cn</a>                | connect ok  |   | connect ok |
| GDC DWD <a href="https://wis2.dwd.de/q">https://wis2.dwd.de/q</a>                  | connect ok  |   | connect ok |

| Global Services           | Test Source   | Details         | Roster Start | Optional additional dates | Roster end |
|---------------------------|---|-----------------|--------------|---------------------------|------------|
| <b>Global Monitorings</b> |   |                 | YYYY/MM/DD   | ...                       | YYYY/MM/DD |
| GM CMA GISC               | <a href="https://gm.wis.cma.cn">https://gm.wis.cma.cn</a> | User: gisc_user | connect OK   | ...                       | connect OK |
| GM CMA GS                 | <a href="https://gm.wis.cma.cn">https://gm.wis.cma.cn</a> | User: gs_user   | connect OK   | ...                       | connect OK |

| Global Services  | Test Source   | Details         | Roster Start | Optional additional dates | Roster end  |
|--|---|-----------------|--------------|---------------------------|-------------|
| GM MAROCMETEO GISC   | <a href="https://wis2gmc.marocmeteo.ma/">https://wis2gmc.marocmeteo.ma/</a> | User: gisc-user | connect OK   | ...                       | connect NOK |
| <b>Global Brokers</b>  |   |                 |              |                           |             |
| Based on dashboard <b>WIS2-GISC/wis2-gisc-GB</b> (gisc_user) / Indicator: "WIS2Nodes Total Messages over past 24h"   |   |                 | YYYY/MM/DD   | ...                       | YYYY/MM/DD  |
| GB Brazil  | From GM China   | 63              | ...          | 64                        |             |
| GB Brazil  | From GM MAROCMETEA  | 63              | ...          | Not Available             |             |
| GB China   | From GM China   | 68              | ...          | 68                        |             |
| GB China   | From GM MAROCMETEA  | 68              | ...          | Not Available             |             |
| GB France  | From GM China   | 62              | ...          | 63                        |             |
| GB France  | From GM MAROCMETEA  | 62              | ...          | Not Available             |             |
| GB USA   | From GM China   | 46              | ...          | 52                        |             |
| GB USA   | From GM MAROCMETEA  | 46              | ...          | Not Available             |             |
| <b>Global Caches</b>   |   |                 |              |                           |             |
| Based on dashboard <b>WIS2-GISC/wis2-gisc-GC</b> (gisc_user) / Indicator: "WIS2Nodes Total downloaded over past 24h" |   |                 | YYYY/MM/DD   | ...                       | YYYY/MM/DD  |
| GC CN CMA  | From GM China   | No data         | ...          | No data                   |             |
| GB CN CMA  | From GM MAROCMETEA  | No data         | ...          | No data                   |             |
| GC MO NOAA US/UK   | From GM China   | 58              | ...          | 58                        |             |
| GB MO NOAA US/UK   | From GM MAROCMETEA  | 58              | ...          | 58                        |             |
| GC DE DWD  | From GM China   | 56              | ...          | 58                        |             |
| GB DE DWD  | From GM MAROCMETEA  | 56              | ...          | 58                        |             |
| GC JP JMA  | From GM China   | 57              | ...          | 58                        |             |
| GB JP JMA  | From GM MAROCMETEA  | 57              | ...          | 58                        |             |
| GC SA NCM  | From GM China   | No data         | ...          | 59                        |             |
| GB SA NCM  | From GM MAROCMETEA  | No data         | ...          | 59                        |             |
| <b>JIRA Ticketing System</b>   |   |                 | YYYY/MM/DD   | ...                       | YYYY/MM/DD  |
| Total "In Progress"  |   |                 | No data      | ...                       | 2           |

| Global Services   | Test Source      | Details | Roster Start | Optional additional dates | Roster end |
|-------------------|------------------|---------|--------------|---------------------------|------------|
| Total "To Do"     |                  |         | No data      | ...                       | 2          |
| Total "Done"      |                  |         | No data      | ...                       | 2          |
| Total "In Review" |                  |         | No data      | ...                       | 2          |
| Total "Triage"    | (should be zero) |         | No data      | ...                       | 2          |

How to fetch data from the dashboards:

### 3.1. Global brokers data

### 3.2. Global caches data

A screenshot of a user profile interface. At the top right, there are icons for help, refresh, and user profile. Below them is a blue 'Share' button and a time filter set to 'Last 24 hours GMT'. A dropdown menu is open, showing the username 'gisc\_user' highlighted in yellow. The menu options include 'Profile', 'Notification history', and 'Change password'.

Log in as gisc\_user

A screenshot of the Grafana Dashboards interface. On the left, a sidebar navigation includes 'Home', 'Starred', 'Dashboards' (which is selected and highlighted in yellow), 'Playlists', 'Snapshots', 'Library panels', 'Public dashboards', 'Alerting', and 'Administration'. The main area is titled 'Dashboards' and contains the sub-instruction 'Create and manage dashboards to visualize your data'. It features a search bar, a 'Filter by tag' dropdown, and a 'Starred' checkbox. Below these are sections for 'Name' (with 'Shared with me' and 'WIS2-GISC' listed), 'wis2-gisc-GB' (selected and highlighted in yellow), and 'wis2-gisc-GDC'.

Click on Dashboards, then wis2-gisc-GC

The screenshot shows a web-based dashboard interface. On the left, a sidebar menu includes Home, Starred, Dashboards (which is selected), Playlists, Snapshots, Library panels, Public dashboards, Alerting, and Administration. The main content area has a header with filters: GISC (selected), All, centre\_id, All, gc\_report\_id, and a search bar. A modal window titled "Global Broker (Notification messages)" is open, listing various GC centers: cn-cma-global-cache, data-metoffice-noaa-global-cache, de-dwd-global-cache (highlighted in yellow), jp-jma-global-cache, kr-kma-global-cache, and sa-ncm-global-cache. Below the modal are two donut charts: "WIS2 Nodes Total Downloaded" (value 68) and "WIS2 Nodes Download Error" (value 7). To the right of the charts is a table titled "WIS2 Nodes Total Downloaded" with columns for centre\_id and Download Total, showing data for six centers. Another table titled "WIS2 Nodes Download Error" with columns for centre\_id and Errors is also present.

| centre_id          | Download Total |
|--------------------|----------------|
| ca-eccc-msc        | 624022         |
| de-dwd-gts-to-wis2 | 484402         |
| jp-jma-gts-to-wis2 | 234027         |
| us-noaa-nws        | 100829         |
| us-noaa-synoptic   | 28963          |
| br-inmet           | 13459          |

| centre_id    | Errors |
|--------------|--------|
| int-ecmwf    | 1297   |
| hk-hko-swic  | 52     |
| ca-eccc-msc  | 20     |
| us-cimss     | 17     |
| us-noaa-nws  | 4      |
| int-eumetsat | 3      |

Select GC and read value

Check has to be performed at roster start and roster end. Additional dates can also be added.

# **Chapter 4. PART III. Procedures for Issues Management**

The WIS2 ticketing system is provided and operated by WMO : <https://jira.wmo.int>.

# **Chapter 5. Tickets review guideline**

The GISC in charge needs to review the tickets with the following guidelines:

(1) Review frequency

- At least once or twice a week.

(2) Key focus

- Focus on “stalled” ticket”: send reminder for tickets inactive for more than 2 weeks

(3) Automatic ticket creation

- Most tickets are expected to be created automatically by the GISC Monitoring system

# Chapter 6. Procedure to review Jira Tickets for the GISC Watch:

## (1) Access the JIRA system:

- Access portal: <https://jira.wmo.int>
- Guide to how to login JIRA and reset password as an external user: [https://wmoomm.sharepoint.com/:b/s/wmocpdbl/EdDUVYxOoRhIsAMp5yBmFicBz24ARqhDs\\_YEpidVd5oQ7g?e=7e2CmO](https://wmoomm.sharepoint.com/:b/s/wmocpdbl/EdDUVYxOoRhIsAMp5yBmFicBz24ARqhDs_YEpidVd5oQ7g?e=7e2CmO)
- JIRA accounts: There are two types of JIRA accounts:
  - WIS2-IMS-Operator, one account per GISC, associated with a general email address.
  - WIS2-IMS-Experts, one or more accounts per GISC. This group is intended for technical experts involved for resolving the tickets.

If there are any changes or updates to the JIRA accounts for your GISC, please inform the WMO Secretariat so that the necessary updates can be made to ensure continued access.

## (2) Select the correct project

- Choose Project "WIS2 IMS"

The figure consists of four screenshots illustrating the steps to select the WIS2 IMS project in Jira:

- Step 1:** Shows the browser address bar with the URL <https://jira.wmo.int> highlighted by a yellow box.
- Step 2:** Shows the Jira login screen with the "john.doe@xpto.sky" field highlighted by a yellow box.
- Step 3:** Shows the Jira System Dashboard with the "Projects" menu item circled in red and highlighted by a yellow box.
- Step 4:** Shows the Jira project selection screen with the "WIS2 IMS (WI)" project circled in red and highlighted by a yellow box.

## (3) Filter tickets

- "Issues" → "View all issues and tickets" (upper right) → Filter "Status" by unchoosing "Done"

Workflow of the tickets can be found here: <https://wmoomm.sharepoint.com/:w/s/wmocpdbl/EXmYNLQKs59AlHToO9rH6YAB3xoVjdqeoD2fkC-4h4aPjA?e=XqmxpR>

#### (4) Ticket Handling

- Review ticket list and send reminders (inside tickets) for tickets inactive for more than 2 weeks.
- Assign tickets to relevant Assignees for the tickets with status “TRIAGE” (new tickets)

The image displays three overlapping screenshots of the Jira software interface:

- Screenshot 5 (Left):** Shows the "Activity" view with a list of recent events. A red circle highlights the "Switch view" button, and a yellow box labeled "5" is overlaid on the top right corner.
- Screenshot 6 (Middle):** Shows the "Activity" view with a list of recent events. A red circle highlights the "Statistics" link, and a yellow box labeled "6" is overlaid on the top right corner.
- Screenshot 7 (Right):** Shows the "Statistics" view, which includes sections for "Unresolved" issues, "Unresolved: By Priority" (No issues), "Unresolved: By Assignee" (No issues), and a "Status Summary" chart. A red circle highlights the "Status Summary" section, and a yellow box labeled "7" is overlaid on the top right corner.

Table-1: Priority Levels

## 6.1. Incident Impact Levels and GISC Response Times

| Level     | Impact  | Examples  | Assigned GISC: Time to Respond | Assigned GISC: Time to Resolve |
|-----------|---|---|--------------------------------|--------------------------------|
| Very High | - Severe impact on one or more GISC operations<br>- Immediate action required         | - Total failure of Global Services  | ASAP / within 1 day            | ASAP / within 1 week           |
| High      | - One or more essential services are unavailable<br>- Action required within one week | - Global Services are offline   | Within 1 week                  | Within 1 month                 |
| Medium    | - Essential services not affected<br>- Response required, monitoring ongoing          | - Partial outage of a Global Service<br>- Missing data from multiple WIS2Nodes simultaneously | Within 1 week                  | Monthly progress updates       |
| Low       | Not to be used  | —   | —                              | —                              |
| None      | Not to be used  | —   | —                              | —                              |

# Chapter 7. PART IV. Procedures for Handover

## 7.1. (a) Handover Process

1. The GISC currently on duty is responsible for sending the handover report to the next GISC in the roster.
2. If no confirmation is received:
  - The current GISC must follow up with a reminder.
  - GISC Watch duties must be maintained until the next GISC acknowledges receipt of the handover.
3. If there is still no response:
  - The GISC following the next one in the roster should be contacted to agree on a revised handover date.
  - The purpose is to ensure continuity by splitting the remaining period between the two GISCs if needed.

## 7.2. (b) Summary Handover Report

1. The handover report **formally transfers GISC Watch responsibilities** to the next GISC.
2. The report must be sent as follows:
  - **To:** the next GISC in the roster
  - **CC:** [gisc-ops@groups.wmo.int](mailto:gisc-ops@groups.wmo.int), [wis@wmo.int](mailto:wis@wmo.int)
3. The GISC Watch report 2026 to be completed is available [here](#)
  - **Note1:** The GISC Watch report is a consolidated report. Outgoing GISCs are responsible for adding the columns corresponding to the GISC Watch period.
  - **Note2:** Only the email addresses of the GISCs included in the mailing list [gisc-ops@groups.wmo.int](mailto:gisc-ops@groups.wmo.int), which serves as the official channel for GISC Watch handover and takeover communications, have the access to edit this document as per the decisions at the [ET-WISOP 10th meeting](#).
  - **Note3:** For any changes of the email addresses, please contact the WMO Secretariat at [wis@wmo.int](mailto:wis@wmo.int).
4. A sample Handover email

# Chapter 8. GISC WATCH REPORT EXAMPLE

From: GISC Toulouse  
To: GISC Beijing  
Cc: gisc-ops@groups.wmo.int, wis@wmo.int  
Subject: GISC WATCH REPORT – 01–15 April 2025

GISC Toulouse has completed the GISC Watch duty for the period \*1–15 April 2025\*. Please find below the summary report for this period:

1. General Information

- WIS2 to GTS gateway test conducted on \*9 April 2025\*

2. Global Services Status

- [Provide a summary of the operational status, issues encountered, or actions taken during the watch period]

3. JIRA tickets activity:

- Several ticket assignations from □TRIAGE□ performed
- Duplicate tickets closed
- Several stalled tickets reminders send

GISC Beijing: Would you please confirm the GISC Watch handover?

Best regards,

GISC Toulouse

# **Chapter 9. PART V. Procedure for Escalation**

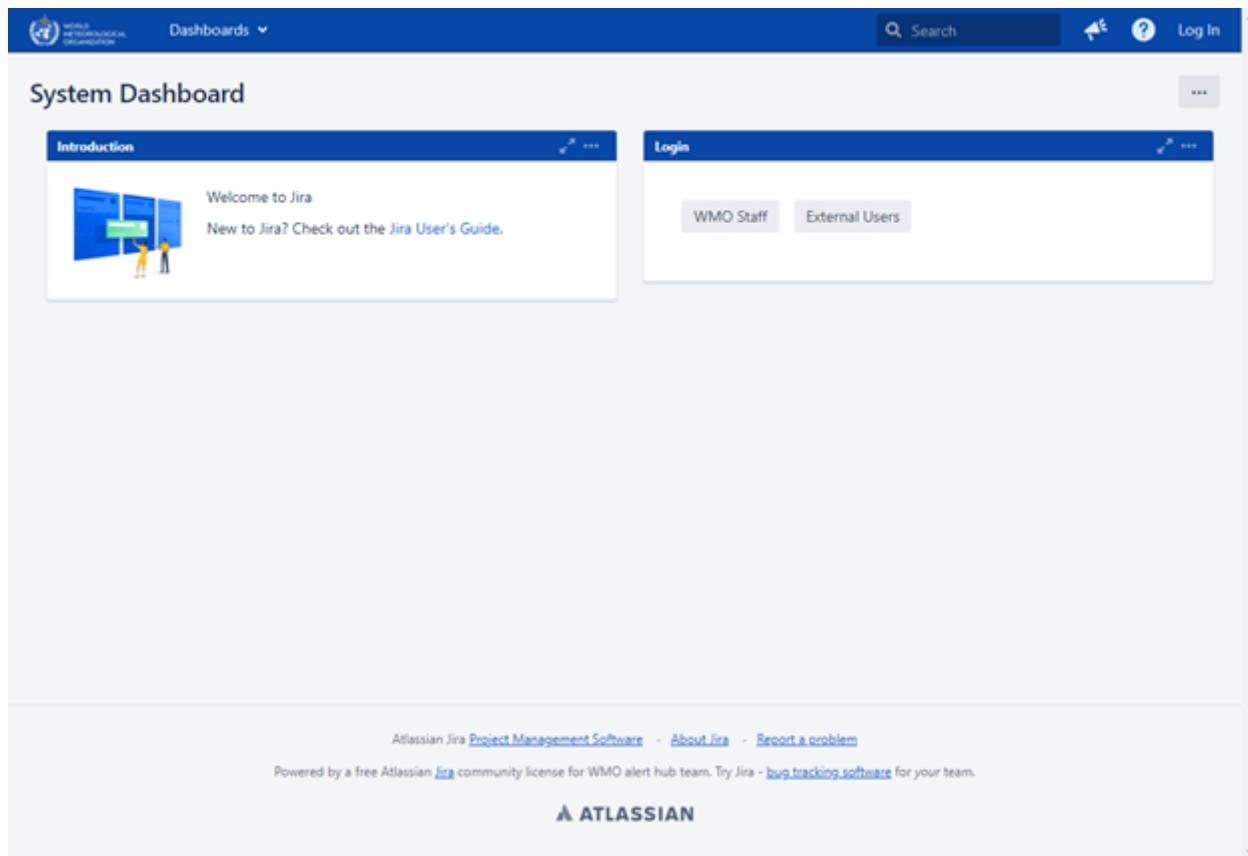
For any issue related to GISC Watch that requires escalation, the Chair of ET-WISOP is the first escalation point for all GISCs

# **Appendix 1: IMS-GISC Operator Manual**

# Chapter 10. 1. How to Login as External User

## 10.1. Step 1:

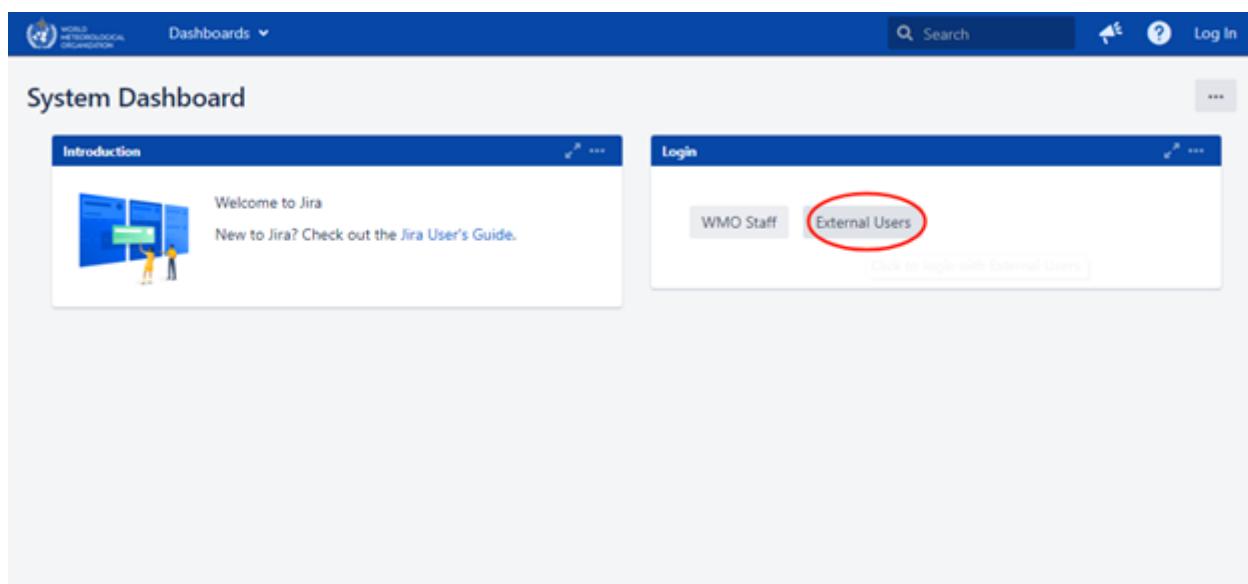
Access the login URL: <https://jira.wmo.int/secure/Dashboard.jspa>



The screenshot shows the Jira System Dashboard. On the left, the 'Introduction' panel displays a welcome message: 'Welcome to Jira' and 'New to Jira? Check out the [Jira User's Guide](#)'. On the right, the 'Login' panel has two buttons: 'WMO Staff' and 'External Users'. The 'External Users' button is highlighted with a red oval.

## 10.2. Step 2:

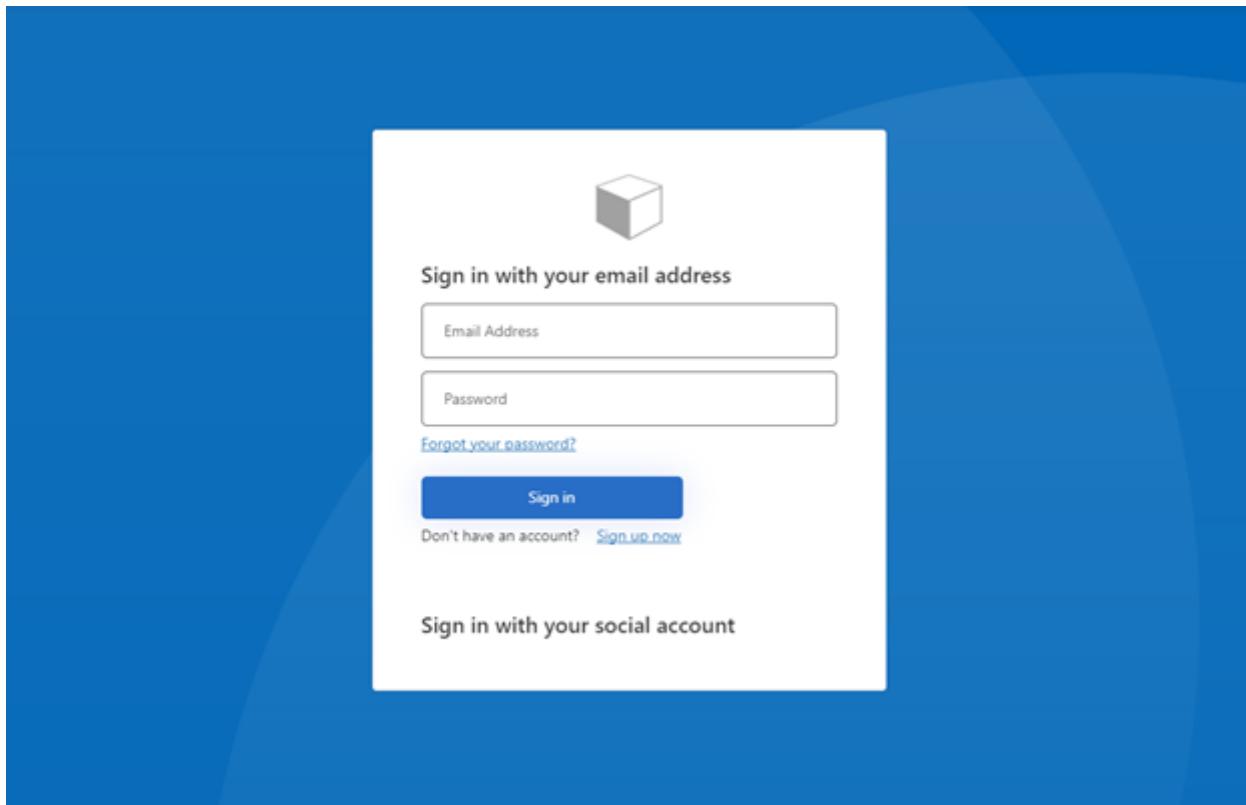
Click on the **External Users** button.



The screenshot shows the Jira System Dashboard. The 'External Users' button in the 'Login' panel is circled in red. A tooltip below the button reads 'Click to login with External Users'.

### **10.3. Step 3:**

You will be redirected to the login page. Enter your email and password as registered in our database.



# Chapter 11. 2. How to Resolve an Issue

- **Note1** The GISC Watch on-duty may close tickets if the comments clearly indicate that the issue has been resolved. If the comments are unclear, lack evidence, or show no progress, the GISC Watch on-duty is responsible for following up with the assignee to verify the ticket's status.
- **Note2** The ticket reporter may close tickets once the issue has been resolved.
- **Note3** The assignee may close tickets once the issue has been resolved.
- **Note4** The WMO Secretariat may close the tickets if the comments clearly indicate the issue has been resolved.

## 11.1. Step 1:

After logging in, you may find the issues assigned to you.

The screenshot shows the Jira System Dashboard. At the top, there are navigation links for Dashboards, Projects, Issues, Boards, and Create, along with a search bar and other icons. Below the navigation is a section titled "System Dashboard" with a "Introduction" panel featuring a welcome message and a "Welcome to Jira" section. To the right of this is the "Assigned to Me" board, which lists one issue: WI-39, titled "No cache has received any data from WIS2 Node (hk-hko-swic)". The board has columns for T, Key, and Summary. Below the board is a summary "1-1 of 1". Further down the page is the "WMO-Jira" news feed, which displays activity logs for users Mr HAN, Xinqiang and Ms Lei XUE. Each log entry includes a timestamp, a "Comment" link, and a "Vote" link.

| T     | Key   | Summary   |
|-------|-------|---|
| WI-39 | WI-39 | No cache has received any data from WIS2 Node (hk-hko-swic) |

1-1 of 1

| Mr HAN, Xinqiang | changed the Assignee to 'Mr HAN, Xinqiang' on WI-40 - Download Failures from WIS2 Node (hk-hko-swic) |
|------------------|--|
| 17 minutes ago   | Comment Vote   |
| Mr HAN, Xinqiang | changed the status to Done on WI-40 - Download Failures from WIS2 Node (hk-hko-swic)                 |
| 1 hour ago       | Comment Vote   |
| Mr HAN, Xinqiang | changed the Assignee to 'Ms Lei XUE' on WI-41 - Metadata for fr-meteofrance in GB China              |
| 1 hour ago       | Comment Vote Watch   |
| Mr HAN, Xinqiang | started progress on WI-41 - Metadata for fr-meteofrance in GB China                                  |
| 1 hour ago       | Comment Vote Watch   |
| Ms Lei XUE       | started progress on WI-40 - Download Failures from WIS2 Node (hk-hko-swic)                           |
| 1 hour ago       | Comment Vote   |

You can also find your issues by navigating to: [User Profile → Boards → Only My Issues](#)

The screenshot shows a Jira Kanban board titled "GSC-Exter". The board has three columns: "TO DO 1 OF 18", "IN PROGRESS 0", and "DONE 0 OF 0". A single issue, WI-39, is present in the "TO DO" column. The issue details are: "No cache has received any data from WIS2 Node (hk-hko-swic)". The sidebar on the right includes a "Boards" option, which is circled in red.

Alternatively, click on **Issues** in the top menu and select **My Open Issues** from the left panel.

The screenshot shows the Jira search interface. The sidebar on the left has a "Find filters" section with various options like "My open issues", "Reported by me", "All issues" (which is circled in red), "Open issues", "Done issues", "Viewed recently", "Created recently", "Resolved recently", "Updated recently", and "FAVORITE FILTERS". The main search results show an issue titled "Download Failures from WIS2 Node (hk-hko-swic)". The issue details are: Project: All, Type: All, Status: All, Assignee: All. The issue itself has the following fields: Type: Incident, Priority: High, Labels: Download, Failures, hk-hko-swic. The assignee is listed as "Mr HAN, Xinqiang".

## 11.2. Step 2:

The GISC Operator should: - Check the issue. - Assign it to the responsible person (e.g., HAN Xinqiang). - Set the issue status from **Triage** to **T0 DO**.

WI2-IMS / WI-40

### Download Failures from WIS2 Node (hk-hko-swic)

[Edit](#) [Q Add comment](#) [Assign](#) [More](#) [To Do](#)

**Details**

Type: Incident Priority: High Labels: Download Failures hk-hko-swic

**Description**

Since 16:30 UTC on March 18th, Download Failures from WIS2 Node (hk-hko-swic)

**Attachments**

**Activity**

All Comments Work Log History Activity

You can now pin up to five comments to highlight important information. Got it! Learn more about pinned comments.

There are no comments yet on this issue.

Add a comment... Pre tip: press [m](#) to comment

Assign Cancel

WI2-IMS / WI-40

### Download Failures from WIS2 Node (hk-hko-swic)

[Edit](#) [Q Add comment](#) [Assign](#) [More](#) [Triage](#)

**Details**

Type: Incident Priority: High Labels: Download Failures hk-hko-swic

**Description**

Since 16:30 UTC on March 18th, Download Failures from WIS2 Node (hk-hko-swic) .

**Attachments**

Drop files to attach or browse.

**Activity**

All Comments Work Log History Activity

You can now pin up to five comments to highlight important information. Pinned comments will appear above all other comments, so they're easy to find. Got it! Learn more about pinned comments.

There are no comments yet on this issue.

Add a comment... Pre tip: press [m](#) to comment

Assign ticket to user → [SO SO](#)  
Close issue → [DONE](#)  
View workflow

Unresolved

**People**

Assignee: GSC-Beijing WIS2-IMS-Experts  
Reporter: Ms GU, Wenjing  
Votes:  
Watchers:

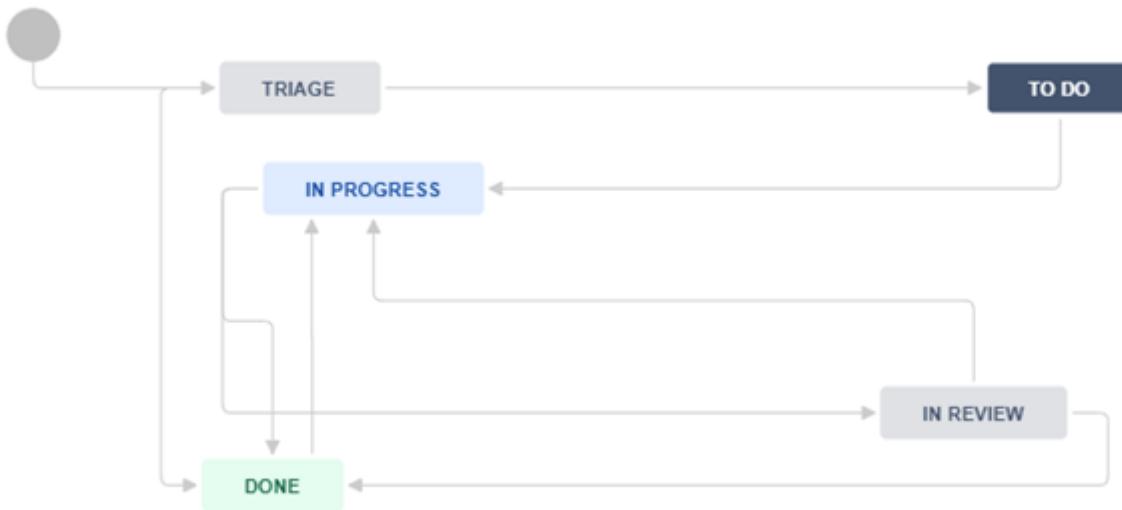
**Dates**

Created: 4 minutes ago  
Updated: 4 minutes ago

**Agile**

[Find on a board](#)

You can view the workflow by clicking on **View Workflow**.



## 11.3. Step 3:

The assignee (e.g., HAN Xinqiang) begins work on the issue and sets the status from **TO DO** to **IN PROGRESS**.

The screenshot shows a Jira issue page for 'WIS2 IMS / WIS-40: Download Failures from WIS2 Node (hk-hko-swic)'. The top navigation bar includes 'Dashboards', 'Projects', 'Issues', 'Boards', and 'Create'. The main content area displays the issue details, including the title, type (Incident), priority (High), and labels (Download, Failures, hk-hko-swic). A 'To Do' button is visible above the workflow section. The status is shown as 'Assignee starts working... → IN PROGRESS'. The 'People' section lists the assignee (Mr HAN, Xinqiang), reporter (Ms GU, Wenjing), and watchers. The 'Dates' section shows the creation and update times. The bottom of the page has an 'Attachments' section with a file upload input field.



## 11.4. Step 4:

After addressing the issue, the assignee submits it for review: - Set the status from **IN PROGRESS** to **IN REVIEW**. - Assign the issue to the reviewer (e.g., XUE Lei).

The process history is visible in the comments below, along with Reporter, Assignee, Watchers, etc., on the right.

**Open issues** [Switch filter](#)

View all issues and filters

1 of 23

Order by Priority

WIS2 IM2 / WI-40  
Download Failures from WIS2 Node (hk-hko-swic)

[Edit](#) [Add comment](#) [Assign](#) [More](#) [In Review](#) [Export](#)

**Details**

Type: Incident Resolution: Unresolved  
Priority: High  
Labels: Download, Failures, hk-hko-swic

**Description**

Since 16:30 UTC on March 18th, Download Failures from WIS2 Node (hk-hko-swic) .

**Attachments**

[Drop files to attach or browse...](#)

**Activity**

All [Comments](#) Work Log History Activity Newest first ⓘ

**Comments**

Mr HAN Xinqiang added a comment - 1 minute ago  
Please have a look~  
[Edit](#) [Delete](#) [Pin](#) [...](#)

Mr HAN Xinqiang added a comment - 3 minutes ago  
Done!  
We can download from WIS2 Node(hk-hko-swic) now.  
[Edit](#) [Delete](#) [Pin](#) [...](#)

Add a comment...

**People**

Assignee: Ms Lei XUE ⓘ  
Assign to me

Reporter: Ms GU Wenjing ⓘ  
[Vote for this issue](#) [Stop watching this issue](#)

Votes: Watchers:

**Dates**

Created: 17 minutes ago  
Updated: Just now

**Agile**

[Find on a board](#)

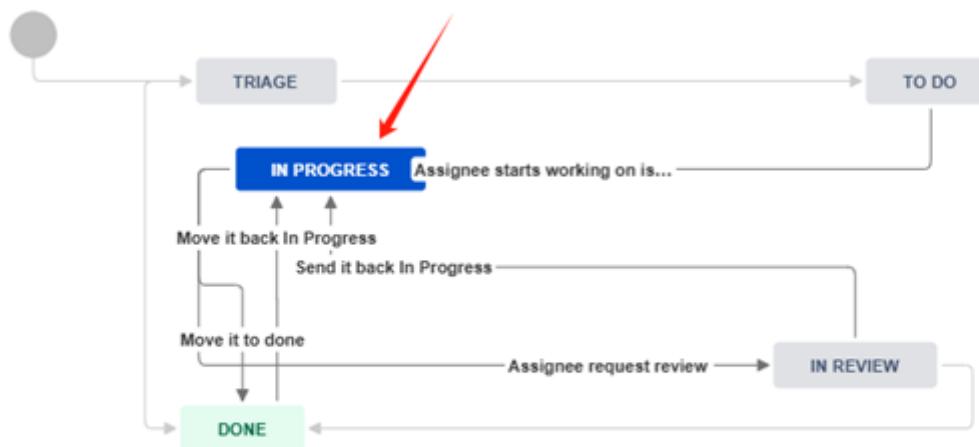
## 11.5. Step 5:

The reviewer (XUE Lei) reviews the issue, assigns it back to the original handler (e.g., HAN Xinqiang), and sets the status from **IN REVIEW** to **IN PROGRESS**.

GSIC-Beijing  
Kanban board

QUICK FILTERS: Only My Issues Recently Updated

| TRIAGE 0 OF 9 | TO DO 0 OF 4 | IN PROGRESS 0 OF 1 | IN REVIEW 1 OF 2   | DONE 1 OF 11  |
|---------------|--------------|--------------------|--|---|
|               |              |                    | WI-40<br>Download Failures from WIS2 Node (hk-hd-pwC)<br>  | WI-17<br>IM5-test-cma<br> <br>We're only showing recently modified issues.<br><a href="#">Looking for an older issue?</a> |



## 11.6. Step 6:

The assignee receives the feedback, completes any follow-up, and sets the status from **IN PROGRESS** to **DONE**.

The issue is now successfully resolved.

WIS2 IMS / WI-40

## Download Failures from WIS2 Node (hk-hko-swic)

[Edit](#) [Add comment](#) [Assign](#) [More](#) [Done](#)

**Details**

|           |                                   |             |            |
|-----------|-----------------------------------|-------------|------------|
| Type:     | Incident                          | Resolution: | Unresolved |
| Priority: | High                              |             |            |
| Labels:   | Download   Failures   hk-hko-swic |             |            |

**Description**  
Since 16:30 UTC on March 10th, Download Failures from WIS2 Node (hk-hko-swic) .

**Attachments**

Drop files to attach, or browse.

**Activity**

All [Comments](#) Work Log History Activity Newest first (7)

**Comments**

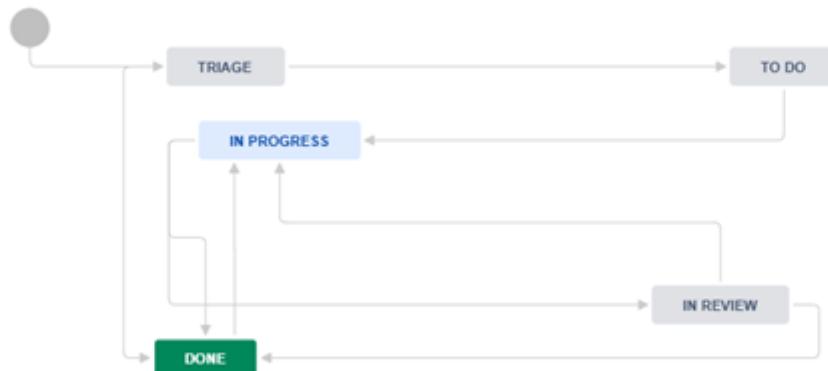
- You can now pin up to five comments to highlight important information. Pinned comments will appear above all other comments, so they're easy to find.  
[Got it](#) • [Learn more about pinned comments](#)

**Comments**

[Mr HAN, Xinqiang](#) added a comment - 19/Mar/25 2:45 AM  
Please have a look~  
[Edit](#) • [Delete](#) • [Pin](#) • [@](#)

[Mr HAN, Xinqiang](#) added a comment - 19/Mar/25 2:43 AM  
Done!

Add a comment...



# Chapter 12. 3. How to Create an Issue

## 12.1. Step 1:

In the user interface, click **Create**, describe the problem in detail using graphics and/or text, set the Priority, and assign the issue to the relevant GISC.

The screenshot shows the 'Edit Issue' dialog for ticket WI-46. The 'Summary' field contains the text 'GC (Saudi Arabia) is not reflected in GM (China)'. The 'Issue Type' is set to 'Incident'. The 'Description' field contains a detailed text block: 'The metrics of GC (Saudi Arabia) can be accessed by: [https://wis2.nmc.gov.sa/cache/metrics/globalcache/gc\_metrics.txt]. Although the metrics appear to be collected incorrectly, they are currently not reflected in the GM (China). Could you please investigate this issue?'. The 'Priority' is set to 'Medium'. The 'Assignee' dropdown is set to 'GISC-BEIJING WIS2 IMS Experts'. The 'Comment' field is empty. The 'Update' and 'Cancel' buttons are at the bottom right.

## 12.2. Step 2:

Add a comment to further explain the issue.

WIS2 IMS / WI-46

## GC (Saudi Arabia) is not reflected in GM (China)

**Edit** **Add comment** **Assign** **More** **Done**

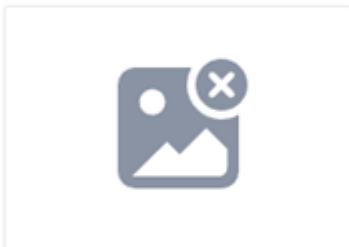
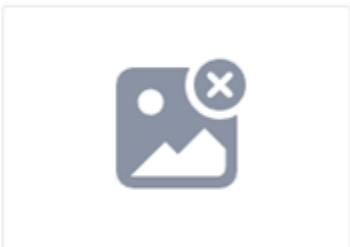
**Details**

Type: Incident  
Priority: Medium  
Labels: None

**Description**

**Attachments**

Drop files to attach, or browse.

| File                      | Created            | Size   |
|---------------------------|--------------------|--------|
| image-2025-05-06-14-01-32 | 06/May/25 12:01 PM | 111 kB |
| screenshot-1.png          | 08/May/25 2:05 AM  | 140 kB |

**Activity**

Comment

From component wis2-gisc-GC, 5 out of 6 Global Caches are presented, missing GC (Saudi Arabia). In theory, GC (Saudi Arabia) should be in the drop-down list as well as the other 5 GCs.

Style **B** **I** **U** **A** **^** **°** **♂** **♀** **≡** **≡** **⊕** **+**

Visual Text **Add** **Cancel**

### 12.3. Step 3:

Add a Due Date as needed

- **Note1** Reporter may add a Due Date when creating a ticket.
- **Note2** The GISC Watch on-duty may add a due date and update the ticket priority if none is set

or if the issues have been outstanding for some time.

## Create Issue

[Configure Fields](#)

**Summary\*** To add a due date

**Description**

Style **B** **I** **U** **A** **^** **o** **u** **l** **h** **+**

**Note:** If the due date is not visible, please click “[Configure Fields](#)” at the top right and enable “**Due Date**”.

**Visual** **Text**

**Priority** **Medium**

**Attachment**

**Assignee** **Automatic** [Assign to me](#)

**Labels**

**Due Date** (d/MMM/yy)

**September, 2025**

| wk | Sun | Mon | Tue | Wed | Thu | Fri | Sat |
|----|-----|-----|-----|-----|-----|-----|-----|
| 36 |     | 1   | 2   | 3   | 4   | 5   | 6   |
| 37 | 7   | 8   | 9   | 10  | 11  | 12  | 13  |
| 38 | 14  | 15  | 16  | 17  | 18  | 19  | 20  |
| 39 | 21  | 22  | 23  | 24  | 25  | 26  | 27  |
| 40 | 28  | 29  | 30  |     |     |     |     |

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