Training Workshop for Regional WIGOS Centres functions and tools in RA VI Santander, Spain, 20-22 November 2023

Incident Management System (IMS) Practical Session





Outline

Practical exercises on registering and follow-up on tickets with IMS

- 1. Identify an issue
- 2. Create a Ticket
- 3. Evaluate the issue
- 4. Manage the incident
- 5. Interact with the assignee
- 6. Close the ticket



Workflow steps of the Incident Management Procedure

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Step-1: Identify an issue
   Anyone (RWC, NFPs, any other person/entity)
Step-2: Create a ticket
   RWC, NFPs, relevant centres (WIGOS and GCOS monitoring centres)
Step-3: Evaluate the issue
   RWC
Step-4: Initiate incident management process
   RWC
Step-5: Select assignee to the ticket
   RWC
Step-6: Follow the process
   RWC and NFPs
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Step-1: Identify an issue (Metadata/Canada)

- in principle from OSCAR/Surface and/or from WDQMS Webtool, but could be based on other systems/tools
- brief description of the issue

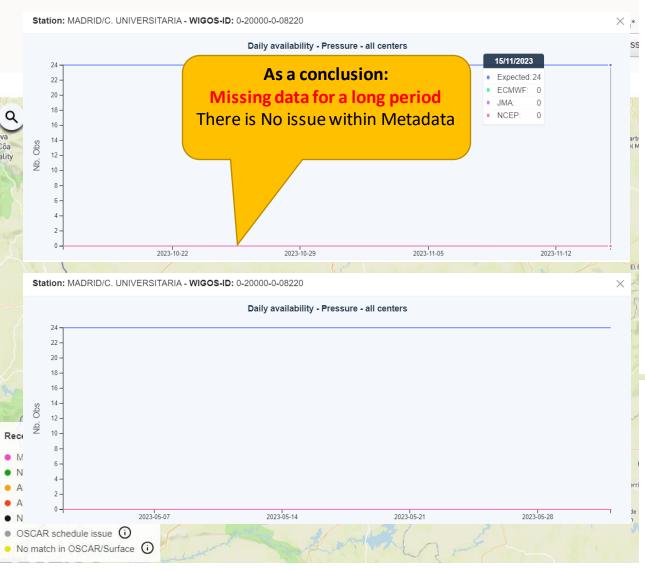
. . .

Show screenshots or go live with the tools



2. Surface data availability issue (Black dots)

Availability of surface land observations (global NWP)



MADRID/C. UNIVERSITARIA (Spain)

in WMO Region VI - Europe

Station characteristics

Station class(es):	Surface land meteorological
	station (SYNOP)
Declared reporting status:	Operational
Assessed reporting status:	Partly operational
Station type:	Land (fixed)
WIGOS Station Identifier(s):	0-20000-0-08220 (Primary)
Coordinates:	40.4516666667°N, 3.7241666667°W
	664m



Last updated: 2016-04-28

Supervising organization: Agencia Estatal de Meteorología (National Meteorological Agency

of Spain)

Site description: The station was originally registered based on WMO Pub 9 Vol A

information containing these observation remarks: SOLRA;SUNDUR (see code table A for explanations). These remarks imply the following additional observations that could not be registered

automatically: Solar radiation measurements.

Programs / network affiliations

Note: OSCAR/Surface regularly receives from external systems the assessed status of certain programs. The validity of received assessment is shown in the expanded view. If a new assessment is not available after a certain time OSCAR/Surface shows the status "unknown". For programs that are not assessed OSCAR/Surface displays the status "unknown".

Program / network affiliation	Program specific ID	Affiliation status	Declared status	Assessed status
GOS General		Approved	Operational	Partly operational (2023-10- 31)

Data generations

From 2016-04-29

Reporting

_	Measurement unit:	(unknown) (unknown)
	Reporting interval:	1 h (hour)
	Diurnal base time:	00:00
	Time (UTC):	00:00 - 23:59
	Day:	Monday - Sunday
	Month:	January - December
	Intended for international exchange:	Yes

2. Upper-Air data availability issue (Black dots)

- > Atmospheric pressure [Geometry: Point]
- ▼ Atmospheric pressure profile [Geometry: Vertical profile]

Ava

Cor

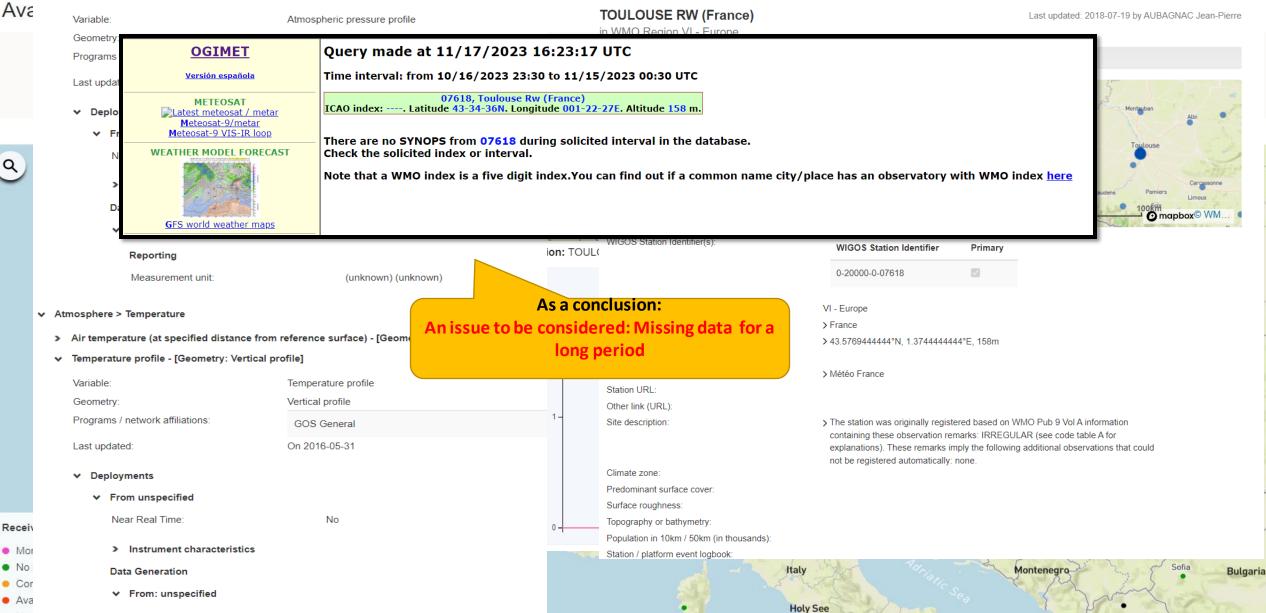
Not

No

Reporting

Measurement unit

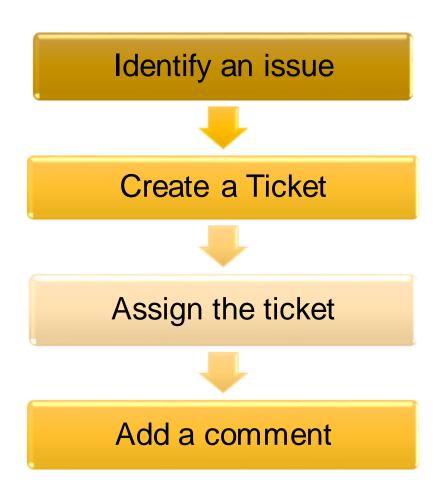
(unknown) (unknown)



Tirana

END of Step-1: Identify an issue – what's next?

Step-2: Create a ticket (RWCs, NFPs or monitoring centres)



- Date: 16/11/2023
- Station: Madrid Universitaria
- Country: Spain
- WIGOS ID: 0-20000-0-08220
- Associated RWC: RWC EUMETNET
- NFP: xxx
- Summary: Missing data for a long periode
- Issue: availability/quality/timeliness
 Surface/upper-air
- Priority Level: doc 1224
- Description:xxx
- Attachements: (optional)



2010 - 400



ANNEX 2. PRIORITY LEVELS OF ISSUES

Surface land stations

temperatures or

snow during the

summer)

The issues described in Table 1 shall be identified in most daily monitoring reports of the different WMO Integrated Global Observing System (WIGOS) Monitoring Centres, not in the daily monitoring reports of one particular WIGOS Monitoring Centre only.

Table 1. Issues with surface land stations

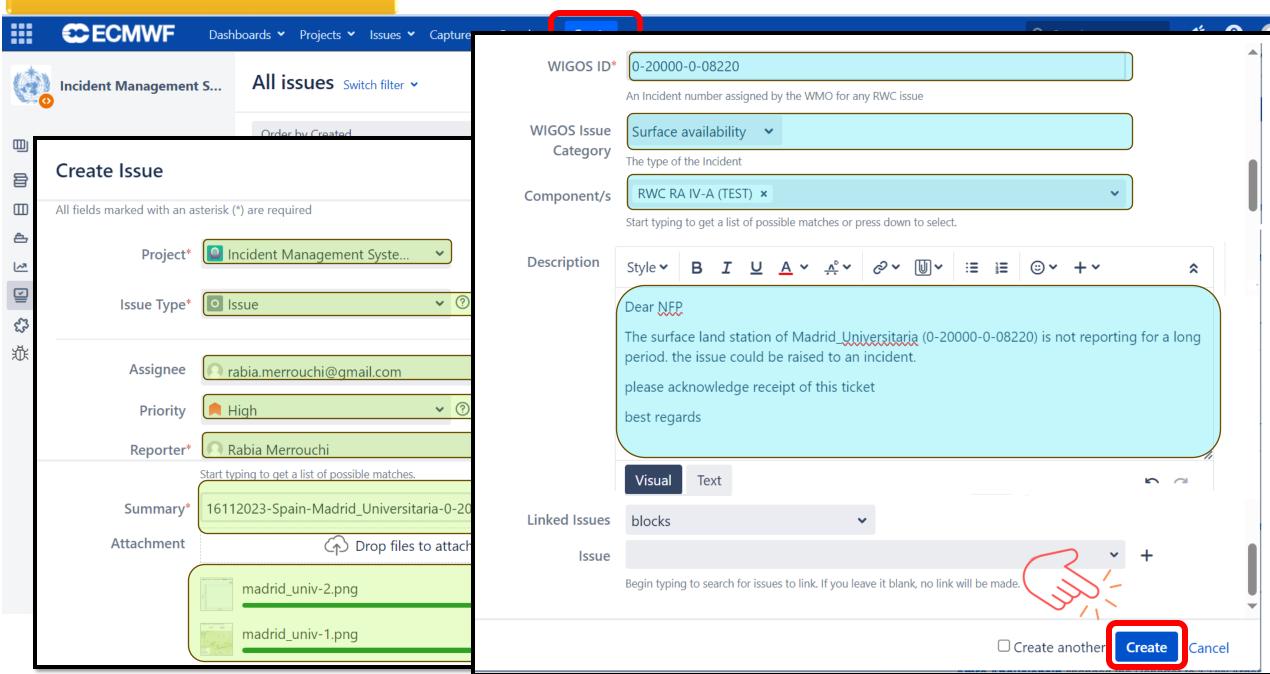
Category Description		Level of priority
Data availability (issues/incidents might be identified in Traditional Alphanumeric Code (TAC) and/or Binary	One station showed data outages occasionally	Low
	Several/all stations of one National Meteorological and Hydrological Service (NMHS)/country showed data outages occasionally since 5 d ago	Medium
	One station did not provide any data since 5 d ago	High
Universal Form for		
the Representation of meteorological data	Several/all stations of one NMHS/country did not provide any data since 5 d ago	Very high
(BUFR) data)		
Timeliness (SYNOP data should be available for users within 50 min after the nominal observation time)	Data of one station seemed to arrive delayed (ater than 100 min) occasionally since 5 d ago	Low
	Data of several/all stations of one NMHS/country seemed to arrive delayed (later than 100 min) occasionally since 5 d ago	Medium
	All data of one station seemed to arrive delayed (later than 100 min) s nce 5 d ago	High
	All data of several/all stations of one NMHS/country seemed to arrive delayed (later than 100 min) since 5 d ago	Very high

All data of several/all stations of one NMHS/country showed suspicious values in reports over several days (n the last 5 d) hall be identified in most daily monitoring reports of the different tin daily monitoring reports of one particular WIGOS Monitoring

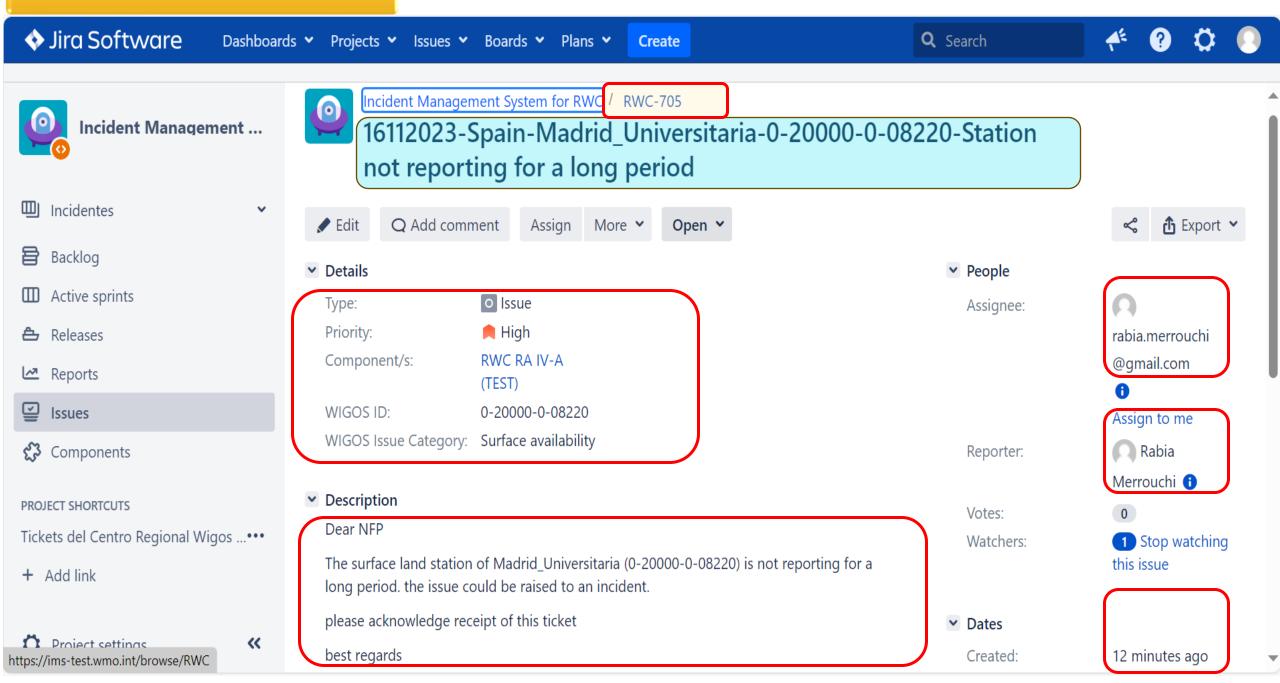
es with upper-air (radiosonde) and stations

Description	Level of priority
ion showed data outages occasionally in the last 5 d	Low
Il stations of one NMHS/country showed data outages ally in the last 5 d	Medium
on did not provide any data since 5 d ago	High
Il stations of one NMHS/country did not provide any data ago	Very high
he entire sounding of one station seemed to arrive (later than 100 min) occasionally in the last 5 d	Low
he entire soundings of several/all stations of one NMHS/ seemed to arrive delayed (later than 100 min) occasionally st S d	Medium
of the entire sounding of one station seemed to arrive (later than 100 min) in the last 5 d	High
of the entire soundings of several/all stations of one ountry seemed to arrive delayed (later than 100 min) in i d	Very high
rages of quantitative measures of performance ristics (based on O-B results from NWP) of one station d the target occasionally since 5 d ago (regarding bias s], standard deviation [precision] or number of gross	Low
erages of quantitative measures of performance ristics (based on NWP O-B results) of several/all stations MHS/country exceeded the target occasionally since 5 d arding bias [trueness], standard devation [precision] or of gross errors)	Medium
averages of quantitative measures of performance ristics (based on NWP O-B results) of one station d the target since 5 d ago (regarding bias [trueness], deviation [precision] or number of gross errors)	High
averages of quantitative measures of performance ristics (based on NWP O-B results) of several/all of one NMHS/country exceeded the target since 5 d arding bias [trueness], standard devation [precision] or of gross errors)	Very high
on showed suspicious values in the soundings ally in the last 5 d	Low
ll stations of one NMHS/country showed suspicious soundings occasionally in the last 5 d	Medium
of one station showed suspicious values in soundings ago	High
of several/all stations of one NMHS/country showed	Very high

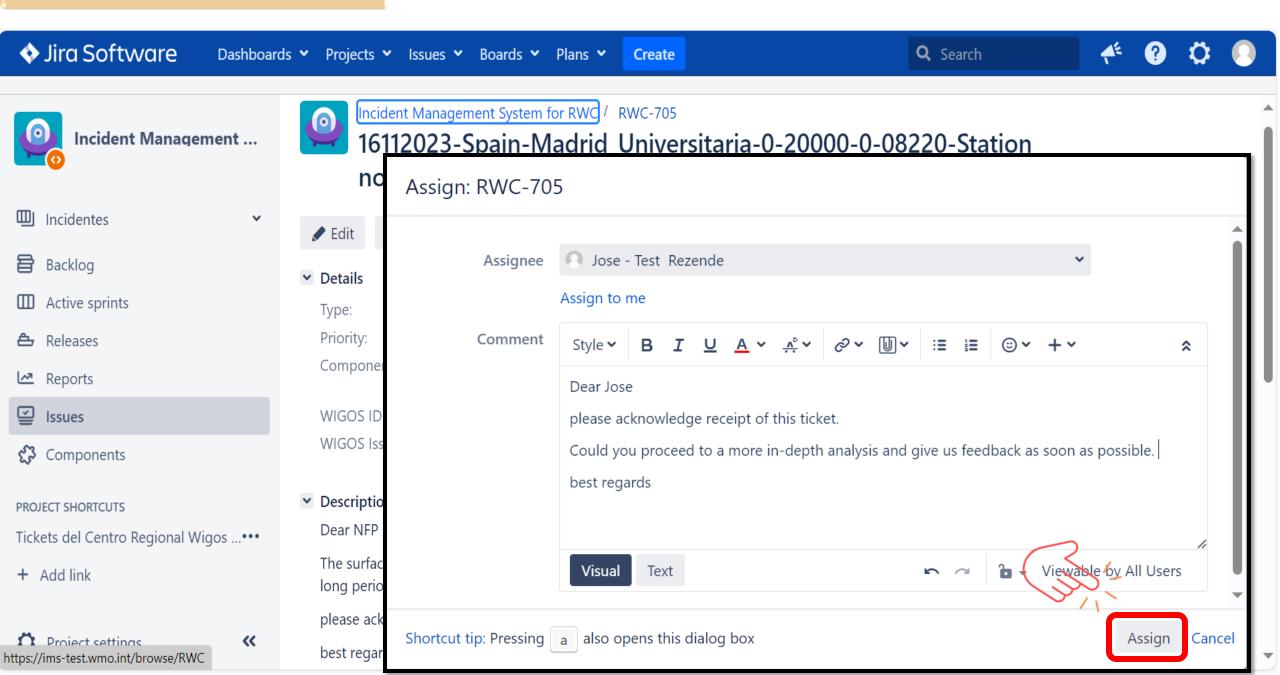
Create a Ticket



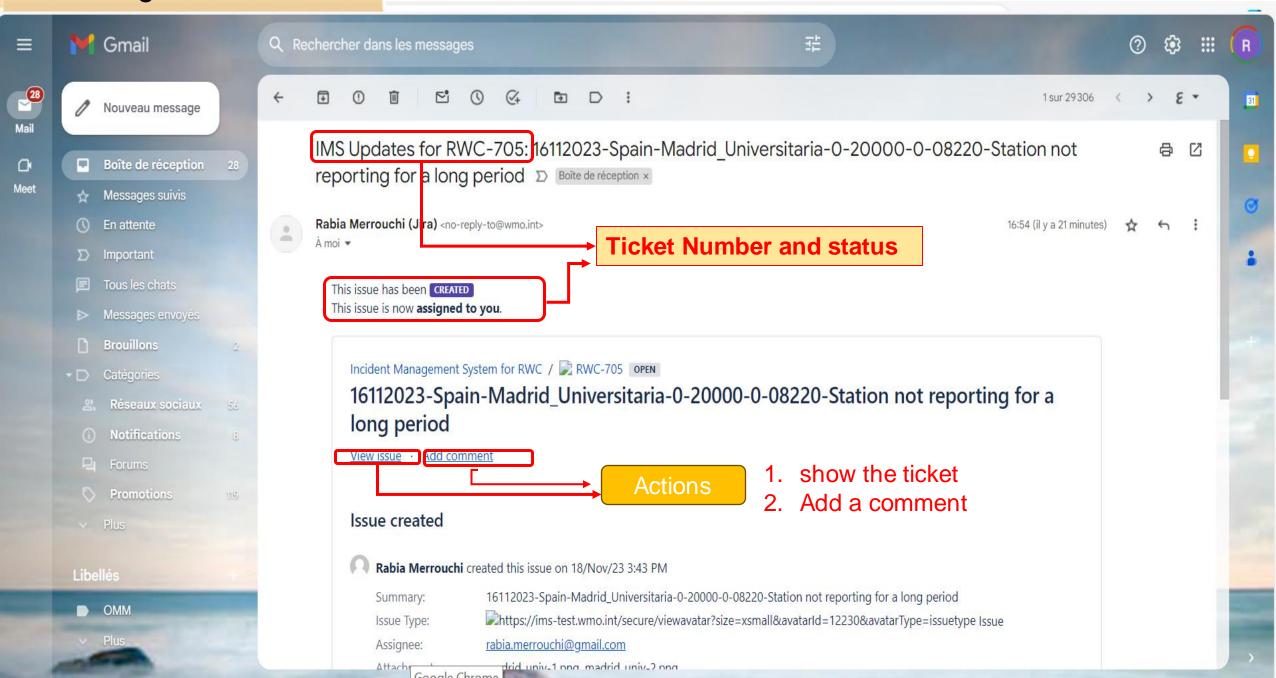
Create a Ticket



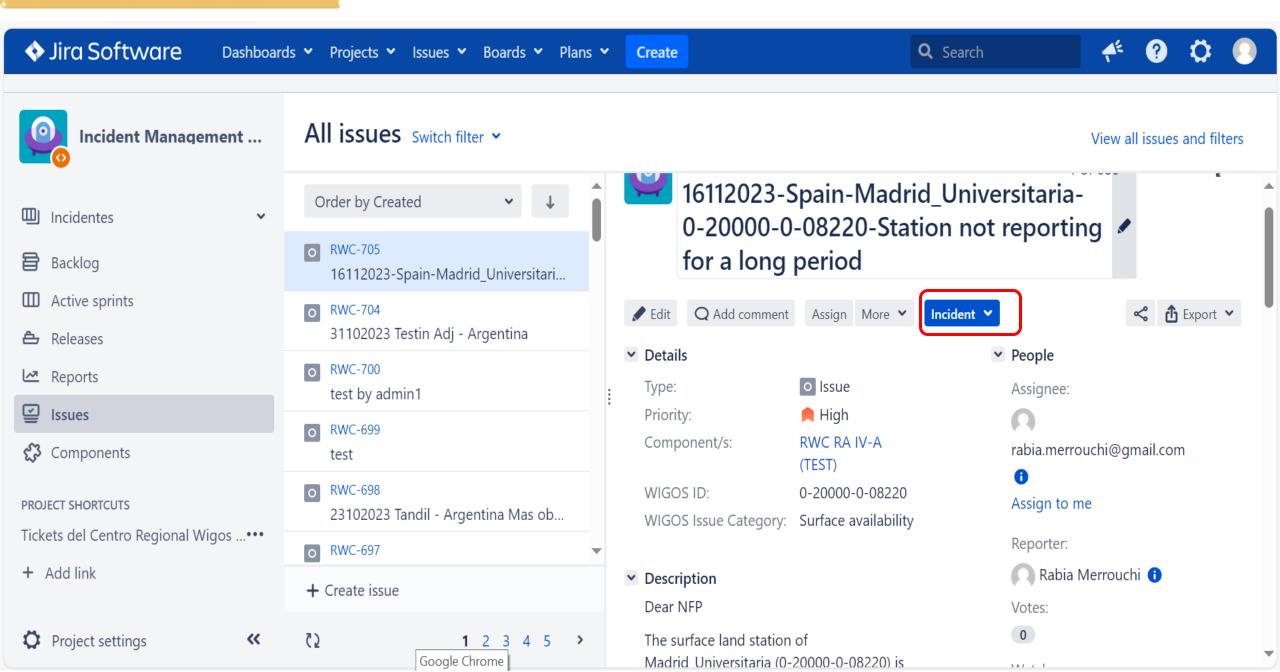
Assign the ticket



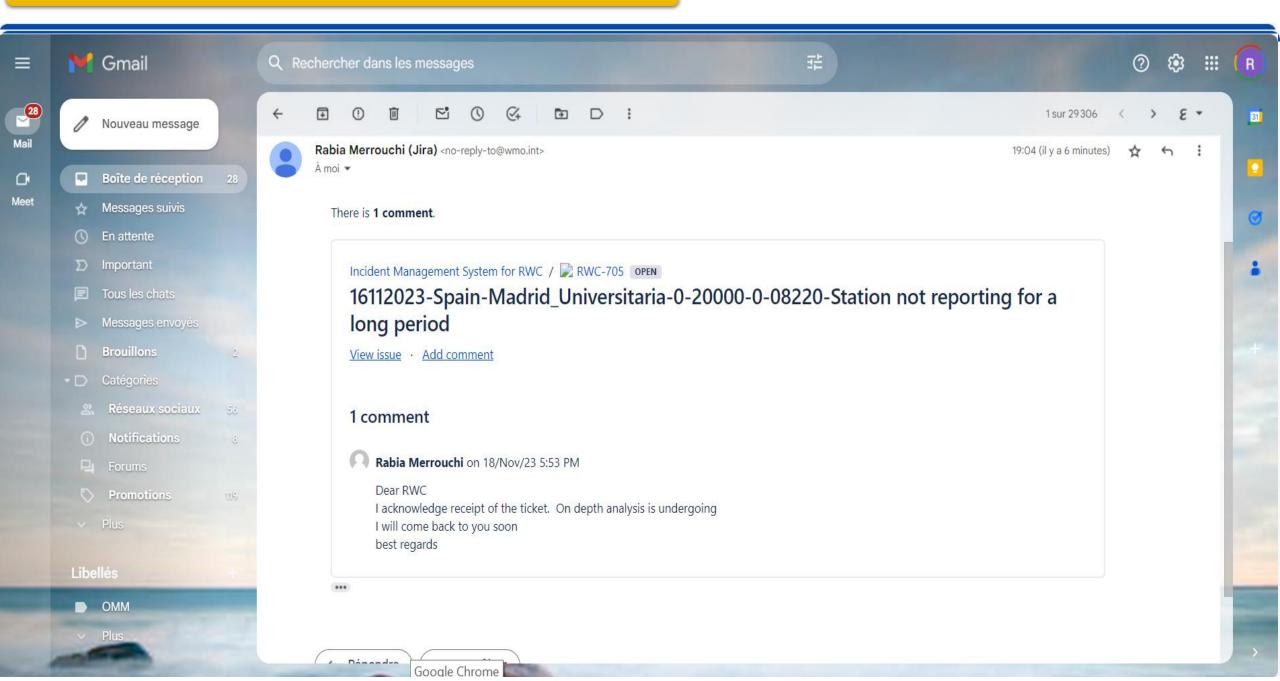
Assign the ticket



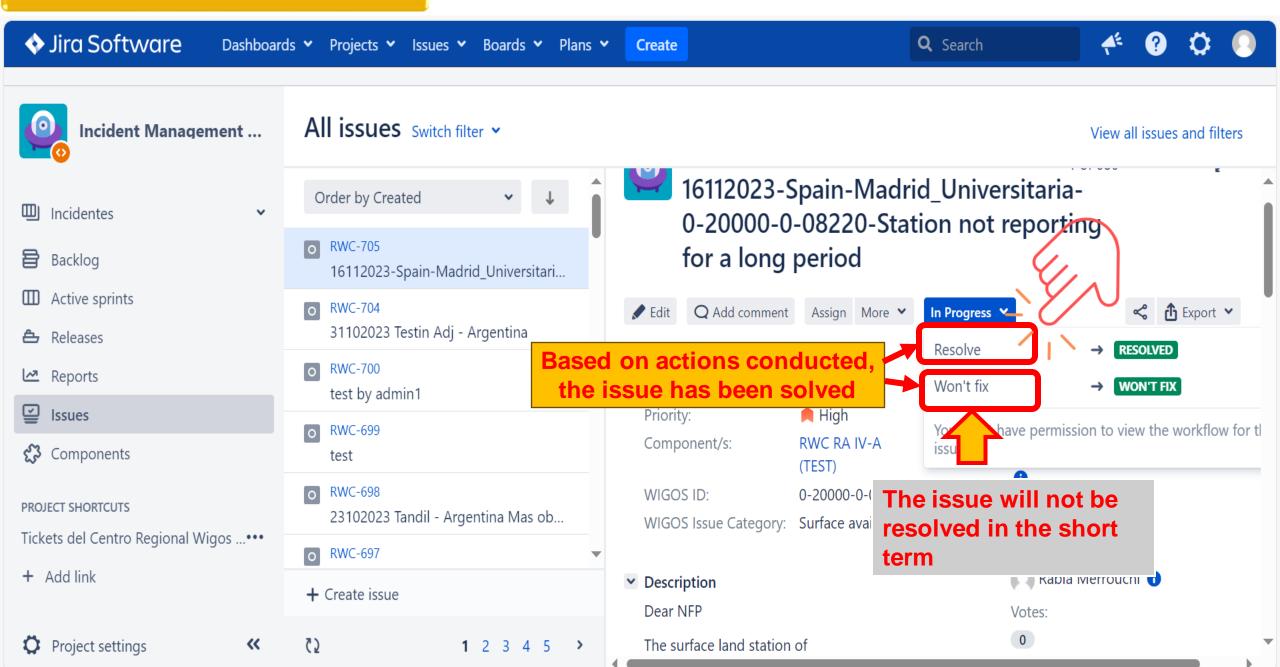
Evaluate the ticket



Add comment: Acknowledge receipt of a Ticket (Assignee, NFP)



Manage the incident



Manage the incident

The ASSIGNEE is notified by email in case of any update on the ticket



Rabia Merrouchi (Jira) <no-reply-to@wmo.int>

19:59 (il v a 33 minutes)







There is 1 update.

Incident Management System for RWC / RWC-705 IN PROGRESS

16112023-Spain-Madrid_Universitaria-0-20000-0-08220-Station not reporting for a long period

View issue · Add comment

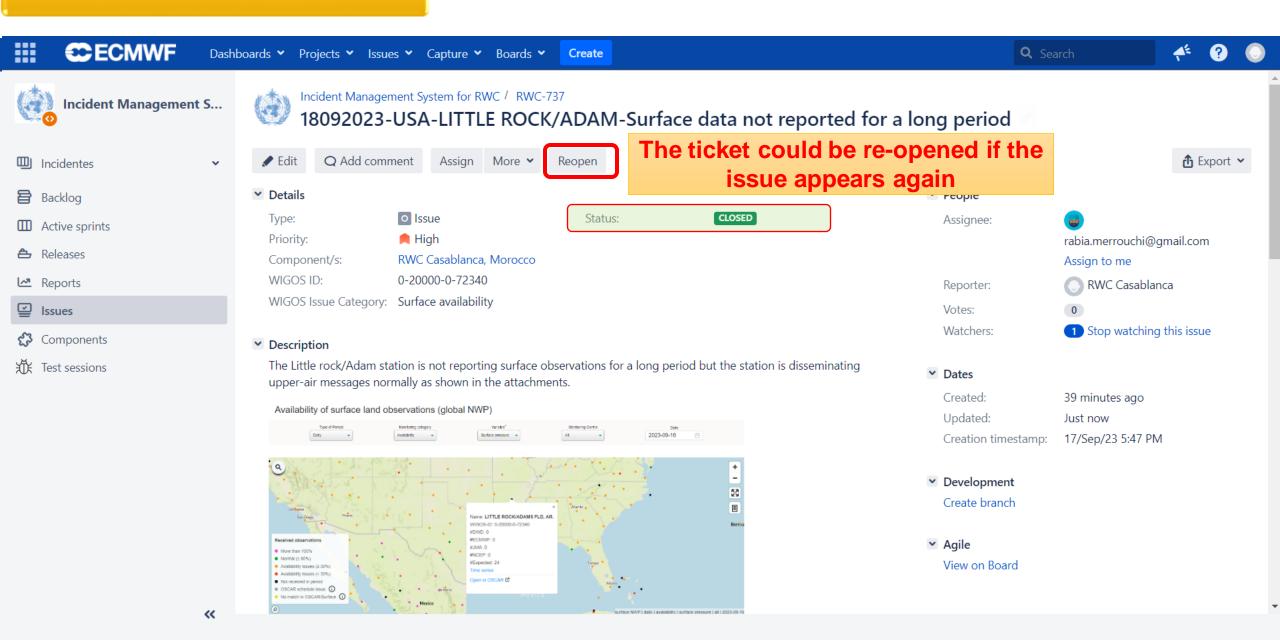
1 update



Changes by Rabia Merrouchi on 18/Nov/23 6:48 PM

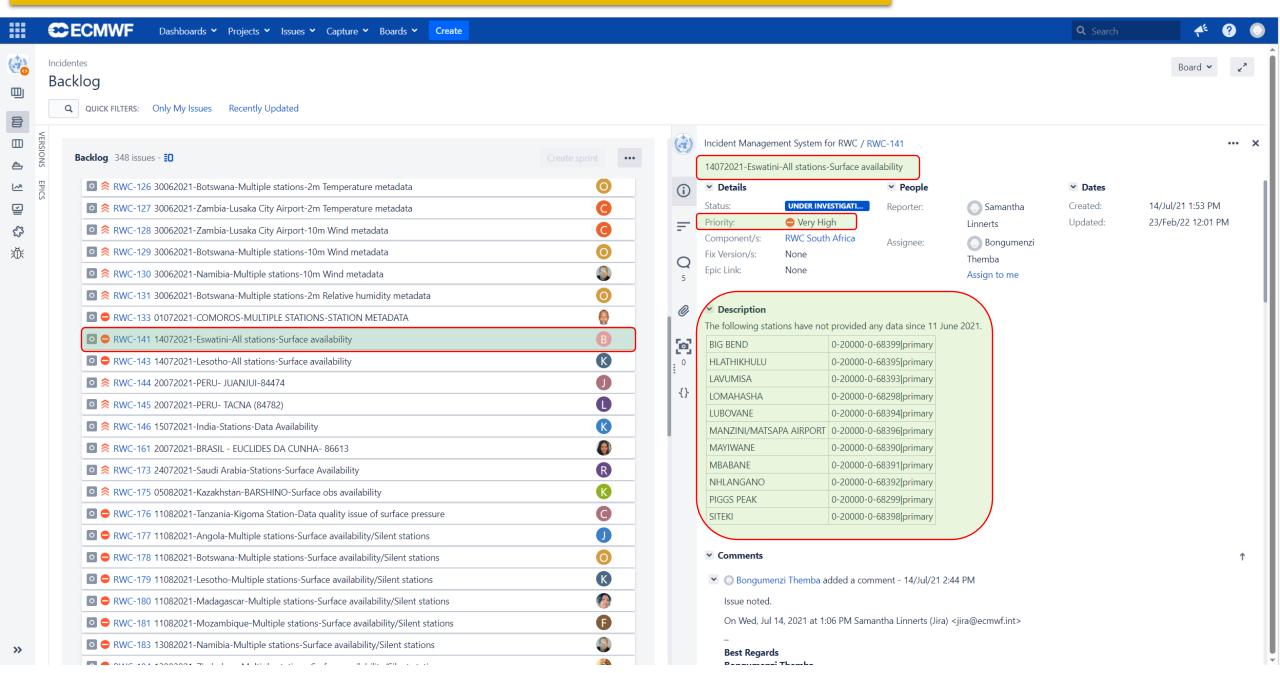
Status: Under investigation In Progress

Manage the incident

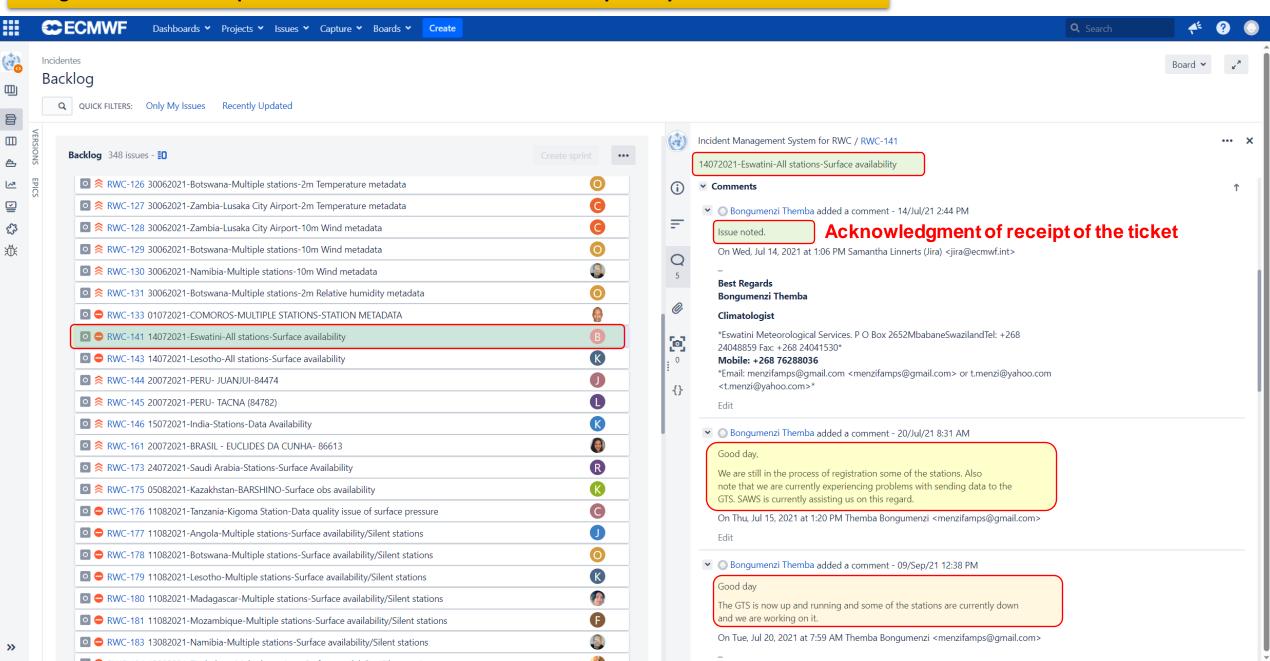


Examples of real Tickets

A single ticket could be opened for several stations within a country if they have a common issue



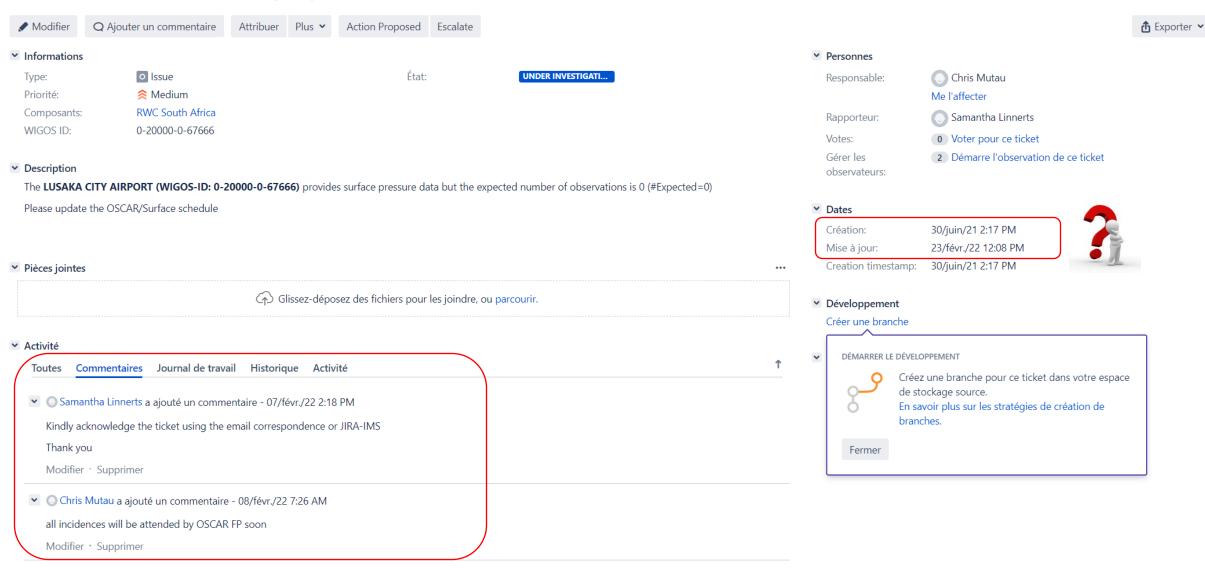
A single ticket could be opened for several stations within a country if they have a common issue



By Using IMS, all your notifications and comments will be recorded



30062021-Zambia-Lusaka City Airport-Surface Pressure metadata



Practical Exercise:

Small group: RWC and NFPs of its AoR

Select one issue identified in the previous exercise related to WDQMS

- Create a ticket
- Assign the ticket to a NFP
- Evaluate the ticket
- Add a comment
- Acknowledge receipt
- Manage the ticket
- · Provide feed back on actions conducted
- Change the status of the ticket

Thank you Gracias Merci



