

Regional WIGOS Centre (RWC) in RA II

WEATHER CLIMATE WATER
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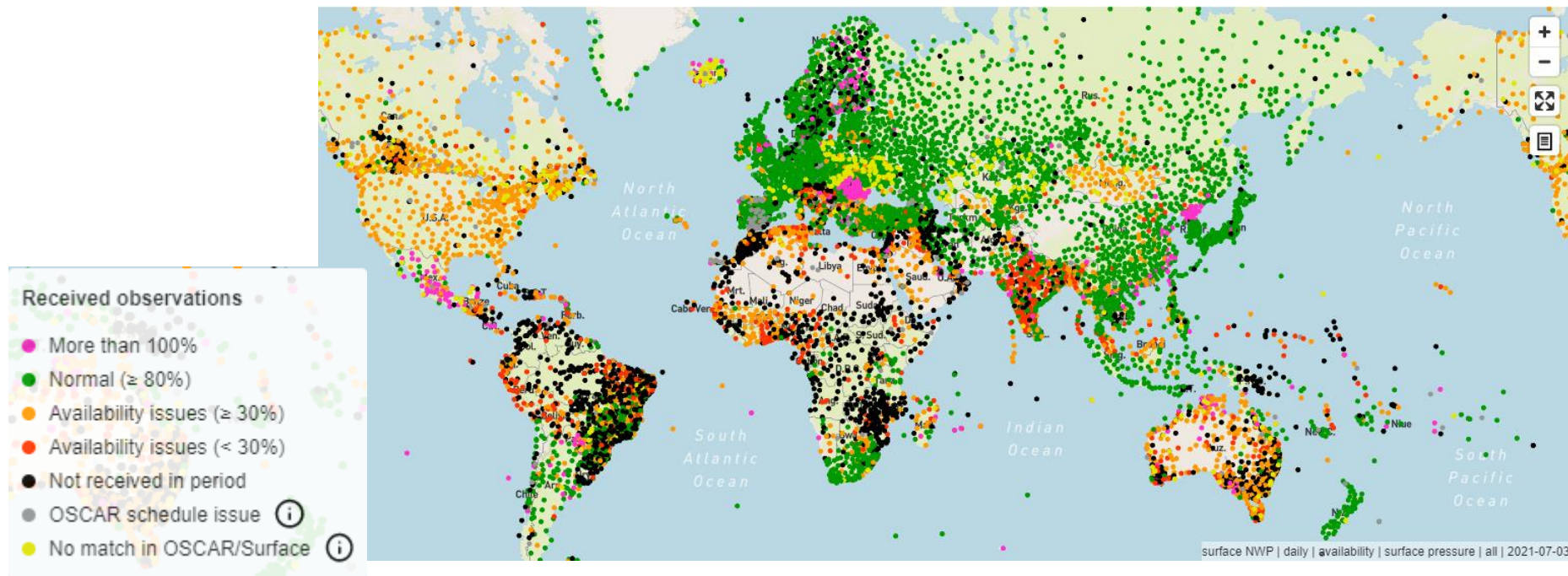
Regional Office for Asia and the South-West Pacific

WMO OMM

World Meteorological Organization
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Introduction to Regional WIGOS Centre

- Many WMO Members are requesting support for national WIGOS implementation efforts
- Can be addressed more efficiently and effectively at regional level
- One of the main priority areas of WIGOS operational phase (2020-2023) is operational deployment of Regional WIGOS Centres (RWCs)



Surface pressure observations received by global NWP Centers on 3 July 2021)
(source: [WIGOS Data Quality Monitoring System](#))

Introduction to Regional WIGOS Centre

- **Regions differences need to be taken into account** in establishing and operating RWCs addressing specific needs and circumstances of the respective Region.
- The overall **purpose** of the RWCs is to **provide support and assistance to WMO Members and Regions** for national and regional WIGOS implementation efforts.
- They will work closely with:
 - Existing WMO Centres (GISCs, RICs , RRCs);
 - Regional Training Centres (RTCs);
 - RA II MG, RA II WIGOS-related subsidiary bodies;
 - RA II Members;
 - WMO Secretariat (Regional Office and WIGOS Branch).

Functions of RWC

Mandatory functions

1. Regional WIGOS **metadata management** (to work with data providers to facilitate collection, updating and provision of quality control for WIGOS metadata in OSCAR/Surface)
2. Regional WIGOS **performance monitoring and incident management** (WIGOS Data Quality Monitoring System; WDQMS) and follow-up with data providers on availability/quality issues

Optional functions

1. Assistance with the coordination of **regional/sub-regional and national WIGOS projects**
2. Assistance with **regional and national observing network management**
3. Support for regional **capacity development activities**

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- **RA II-16 (Feb. 2017)**
 - Decided to **endorse the guidance material** on establishing a **WMO Regional WIGOS Centre in RA II**
 - **China and Japan expressed interest** in hosting a RWC in RA II
 - **Urged Members** to actively **participate in** the implementation of **RWCs** in RA II
- **RA II Management Group meeting (Jun. 2018)**
 - Endorsed proposals from China and Japan to establish RWCs in pilot mode in RA II
 - **China and Japan initiated operation in pilot mode.**
 - **India, Iran, Russian Federation and Saudi Arabia** also expressed interest in hosting RWCs.

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- **RA II Management Group meeting (Mar. 2021)**
 - China and Japan delivered a joint presentation on the RA II RWCs highlighting the implementation of mandatory functions by both RWCs as part of the pilot phase and the joint operation plan for RWCs (RA II – RWC Concept).
 - Endorsed the RWC Concept.
 - Requested Members to nominate/update their National Focal Points (NFPs) on WIGOS, NFPs on OSCAR/Surface, and NFPs on WDQMS.
 - Further requested Members to ensure that those NFPs engage with the RWC activities, in particular with following up on any issues, via the incident management system, raised by RWCs, with their observations;
 - Recommended the seventeenth session of RA II (RA II-17) phase 2 to:
 - ✓ Designate China and Japan as RA II RWCs;
 - ✓ Request China and Japan to operate the RA II RWCs as laid down in the RWC Concept and the RWC audit process;
 - ✓ Establish a Task Team consisting of current RWCs (China and Japan) and candidate RWC(s) to discuss joint operation plans and evolution.



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- **RWC Concept**

- Both RWCs will **focus on mandatory functions** in a co-responsible approach, and collaborate with each other also for optional functions.
- RWCs will **take turns to cover their responsible area not only by period but also by RA II Members** (RA II Members will be divided into two groups) and **share the work of mandatory functions** during each period - term for each period is supposed to be 6 months.

Member	1 st Period	2 nd Period
A	lead: CMA supporting: JMA	lead: JMA supporting: CMA
B		
C		
D	lead: JMA supporting: CMA	lead: CMA supporting: JMA
E		
F		

Image for the taking turns in Evaluation and Incident Management functions

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- RWC Concept**

Groups for Joint Operation of RWCs in RA II

Group A	Group B
Afghanistan	Cambodia
Bahrain	Democratic People's Republic of Korea
Bangladesh	Hong Kong, China
Bhutan	Kazakhstan
India	Kyrgyzstan
Iraq	Lao People's Democratic Republic
Islamic Republic of Iran	Macao, China
Kuwait	Mongolia
Maldives	Myanmar
Nepal	Republic of Korea
Oman	Russian Federation
Pakistan	Tajikistan
Qatar	Thailand
Saudi Arabia	Turkmenistan
Sri Lanka	Uzbekistan
United Arab Emirates	Viet Nam
Yemen	



Roles of each organization

- The **RWCs (i.e., CMA and JMA)** will:
 1. **Request support from other regional centres** concerned (RIC, RTC, RCC, etc.) **to follow up on relevant issues** according to their responsibilities;
 2. **Coordinate with these centres** when organizing capacity development activities that are directly relevant for Members to improve the quality and availability of their observations.

Roles of each organization

- The **RA II Members** will:
 1. **Designate and keep up** to date their National Focal Points (**NFPs**) on OSCAR/Surface and WDQMS;
 2. **Respond promptly**, or as soon as possible, **to the ticket(s)** assigned to them via the **Incident Management System**;
 3. Promote activities to **improve the availability, quality and timeliness of the observations** they share internationally.

Roles of each organization

- The **WMO Secretariat** will:
 1. Provide technical guidelines and promote the assessment of implementation of RWCs' functions in consultation with the Infrastructure Commission, according to the RWC audit process (to be submitted to INFCOM for endorsement);
 2. Organize or support training on WDQMS and WIGOS tools;
 3. Support the coordination of RWCs activities;
 4. Facilitate experience sharing among RWCs, and Members.

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- **73rd session of WMO Executive Council (Jun. 2021):**
 - **Adopted the RWC Audit Process** as general guidance for regional associations, Members hosting RWC, and INFCOM, outlining the basic principles and procedures of such process .
 - **Requests the regional associations, respective Members and INFCOM to follow the RWCs Audit Process for all new nominations of RWCs, periodic evaluation, assessment and possible reconfirmation of RWCs;**

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- **NEXT STEPS**
 - **Assessment of pilot mode operation of RWC by China and Japan** through adopted the RWC Audit Process for their official designation.
 - Upon completion of the RWC Audit Process, **official designation of China and Japan** to be expected **at the RA II-17 phase 2**, which will take place in September.



Thank you Merci



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