

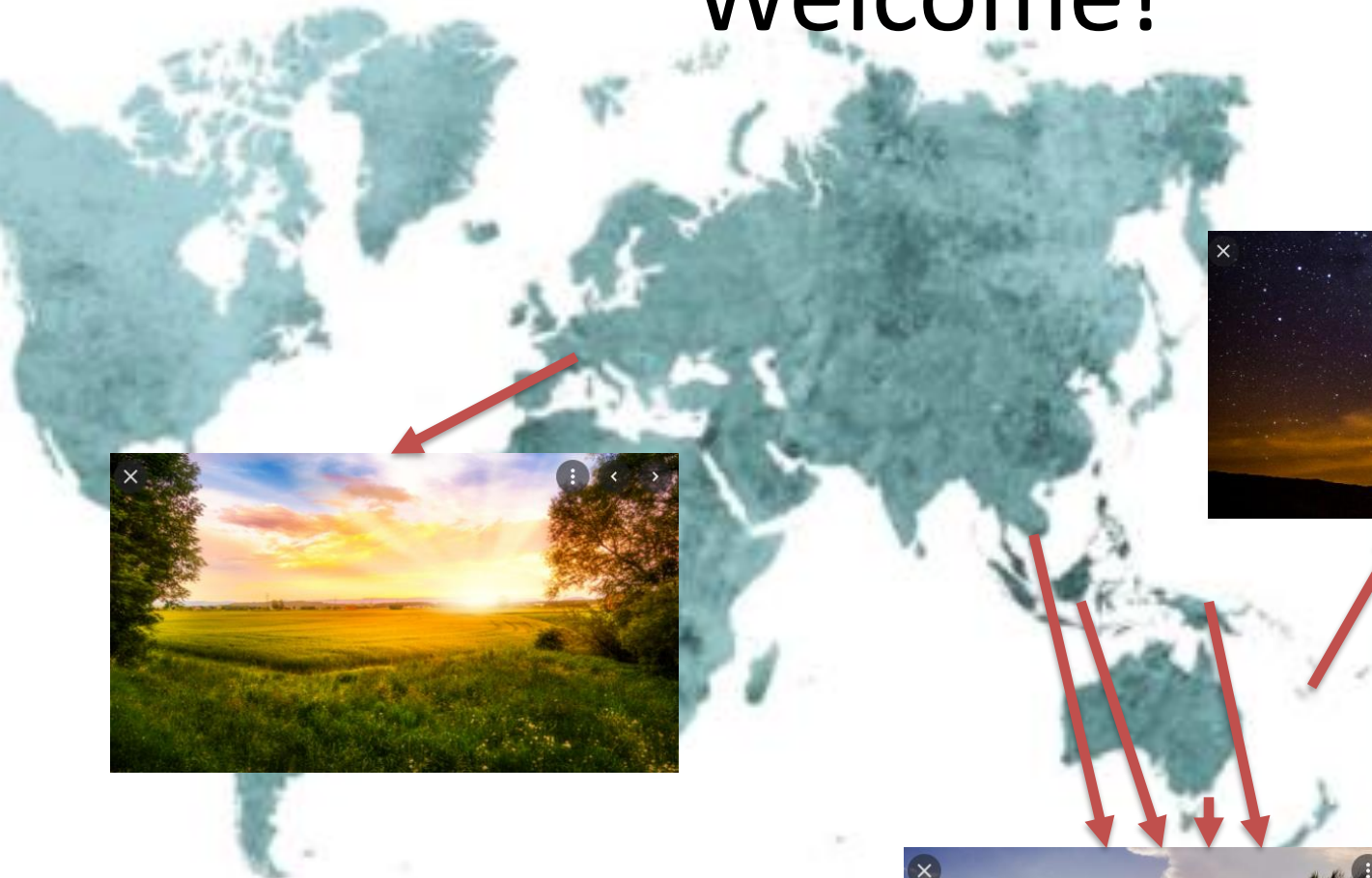
RA-V Regional WIGOS Centre

Karl Monnik
Lead WG-INFR
29/07/2020

Outline

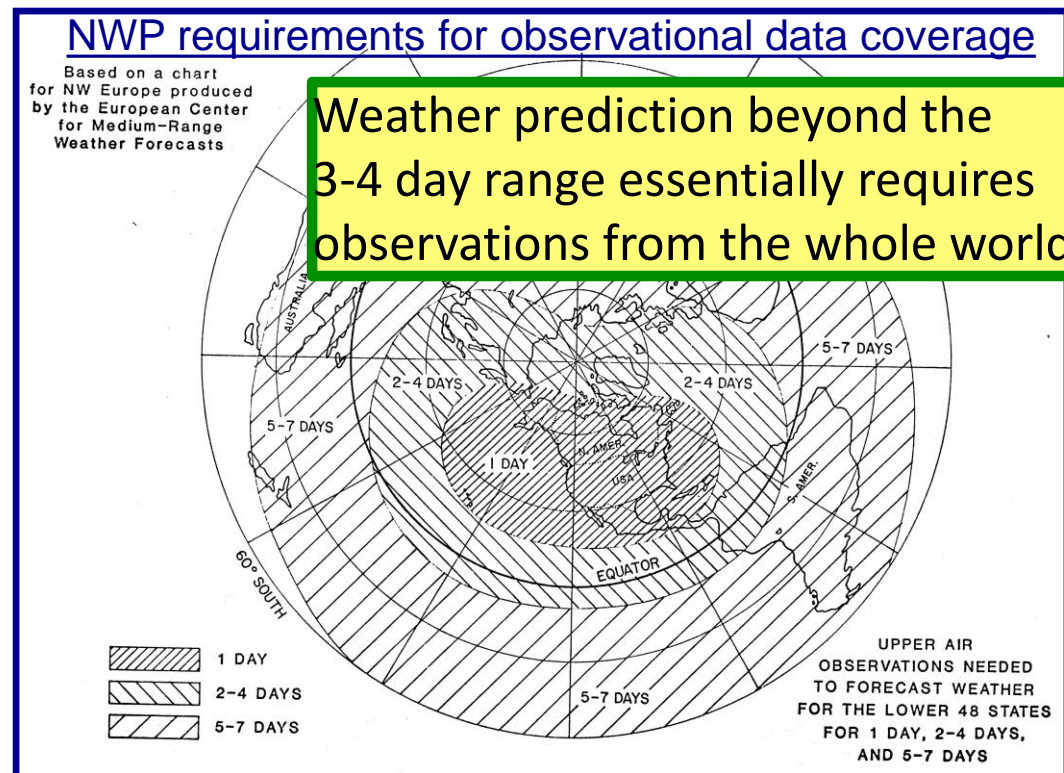
- Current Status
- Concept of Operations
- WIGOS Quality Monitoring Functions
- RWC Oversight and Coordination
- RWC Timeline & Milestones

Welcome!



1. Why is it important to have observations everywhere?

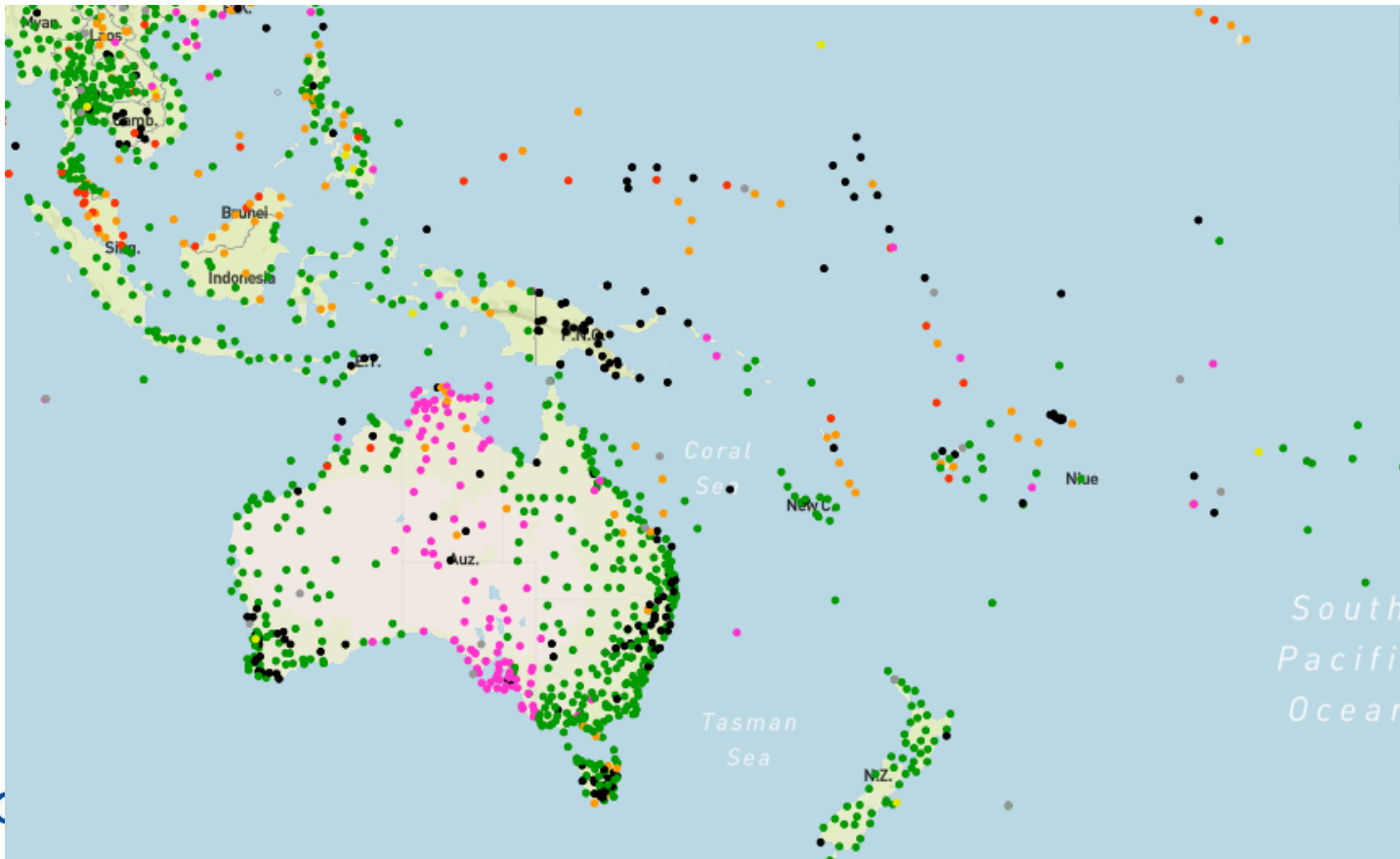
- Generally, any lack of observations over one area of the globe will limit our ability to understand and predict weather and climate patterns everywhere else.
 - **“In meteorology, ignorance knows no boundaries”**
- Global Numerical Weather Prediction is a foundational capability for all weather prediction and most climate monitoring activities;
- Global Numerical Weather Prediction depends on availability of global coverage of observations;



Current status

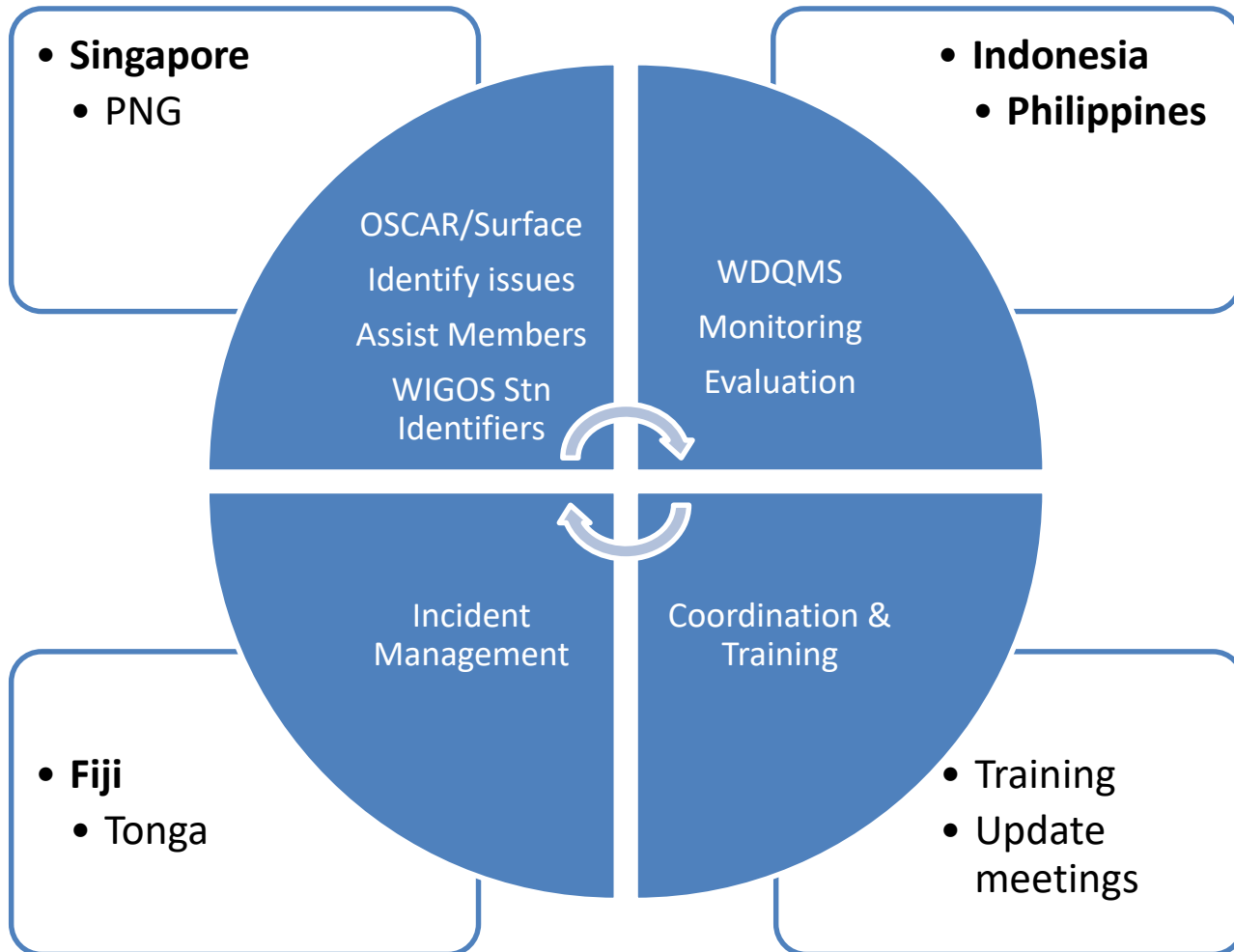
Current Status

- Indonesia, Singapore and Fiji have committed to RA-V Regional WIGOS Centre
- Development phase for a distributed/ RWC.



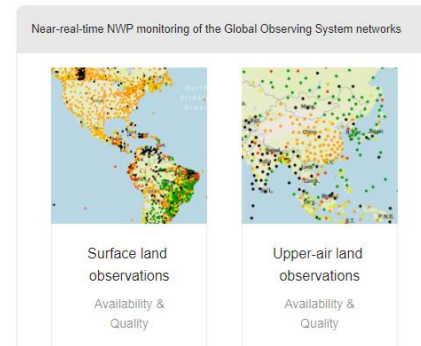
Concept of Operations

Country-based approach



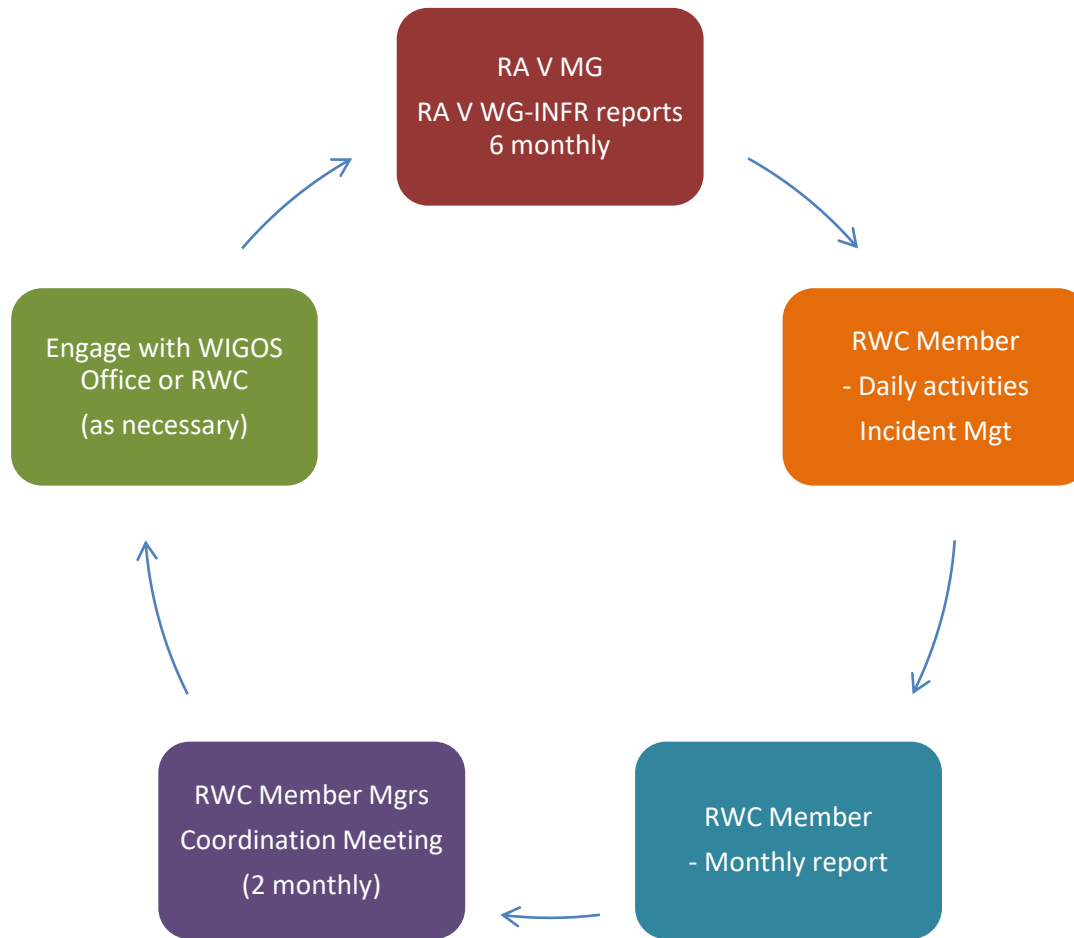
WIGOS Quality Monitoring Functions

- WIGOS monitoring function
 - NWP Monitoring Centre
 - Daily quality monitoring report
 - Available through WDQMS
- WIGOS evaluation function
 - RA V Member
 - extract the relevant information from the quality monitoring reports together with metadata about the observing stations
- WIGOS incident management function
 - RA V Member
 - Manage and track incidents information
 - Assess incident based on available information
 - Notify suppliers and users of data
 - Engage with station Point of Contact



	A	B	C	D	E	F	G	H	I
1	name	wigosid	country	in OSCA	longitud	latitud	#receiv	#expect	default
407	2300095_009	0-22000-9-2300095	IND	TRUE	94.157	10.456	0	8	TRUE
452	2300460_014	0-22000-14-2300460	IND	TRUE	88.318	6.584	0	8	TRUE
1828	KOVILANGULAM	0-20000-0-43358	IND	TRUE	78.08333	9.55	0	8	TRUE
1829	CHAMARAJNAGAR	0-20000-0-43322	IND	TRUE	76.93333	11.93333	0	8	TRUE
1830	CHIKKANAHALLI	0-20000-0-43264	IND	TRUE	77.91667	13.66667	0	8	TRUE
1831	BELLARY	0-20000-0-43205	IND	TRUE	76.85	15.15	0	8	TRUE

RWC Oversight and Coordination



RWC Timeline

- Prepare for training
 - Suitable dates
 - Nominate staff to attend training
- Participate in training
- Initiate RWC monitoring for Fiji, Indonesia, Singapore+1
- Milestone 1
 - Include +1 country
 - Access daily quality monitoring reports
 - Able to identify and classify issues and incidents
 - Able to manage incidents, status and follow-up communication
 - Able to prepare monthly report



RWC Timeline

- Milestone 2 (Pilot)
 - Able to manage and communicate incidents for additional country
 - Availability
 - Quality
 - Resolution
 - Prepare regular monthly RWC reports
 - Contribute to Bi-monthly RA-V RWC meeting

RWC Next Steps 1 (Draft)

1. National RWC Project Leads Meeting with WMO Secretariate (RAP & WIGOS)
 - During May 2021
 - Discuss training needs
 - Nominate Member participants
2. WMO WIGOS Group to plan training schedule
 - Set up training May/June
 - Advanced training September 2021
3. Start Pilot RWC activities ~ 1 July 2021
 - Routine RWC Coordination meetings
 - Incident Management monitoring & reporting

Done

In progress

Starting October 2021



WMO OMM

RWC Next Steps 2 (Draft)

4. Pilot phase mid-term evaluation
 - Assess communication and cooperation
 - Identify improvements
 - Report back to RA V MG
5. Continue with Pilot phase
 - Add in optional activities
 - Integrate additional participants
6. Transition to full operations

Any questions