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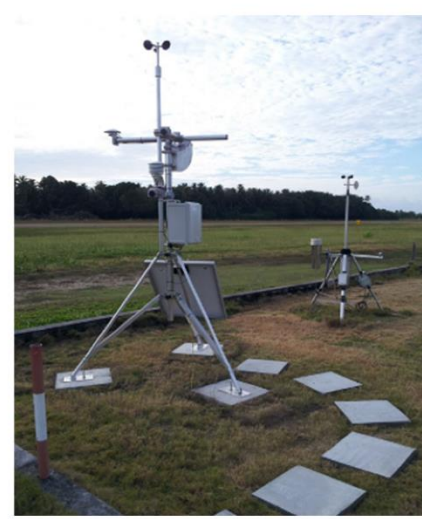
Session 3.3
Country report
Maldives

Ibrahim Humaid
Maldives Meteorological Service

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1. Observation system overview

Surface Observation
5 manned stations
38 AWS stations



Weather Radar Observation
1 Doppler weather radar



Upper-air Observation
1 Upper air observation station
Currently no wind profiler system

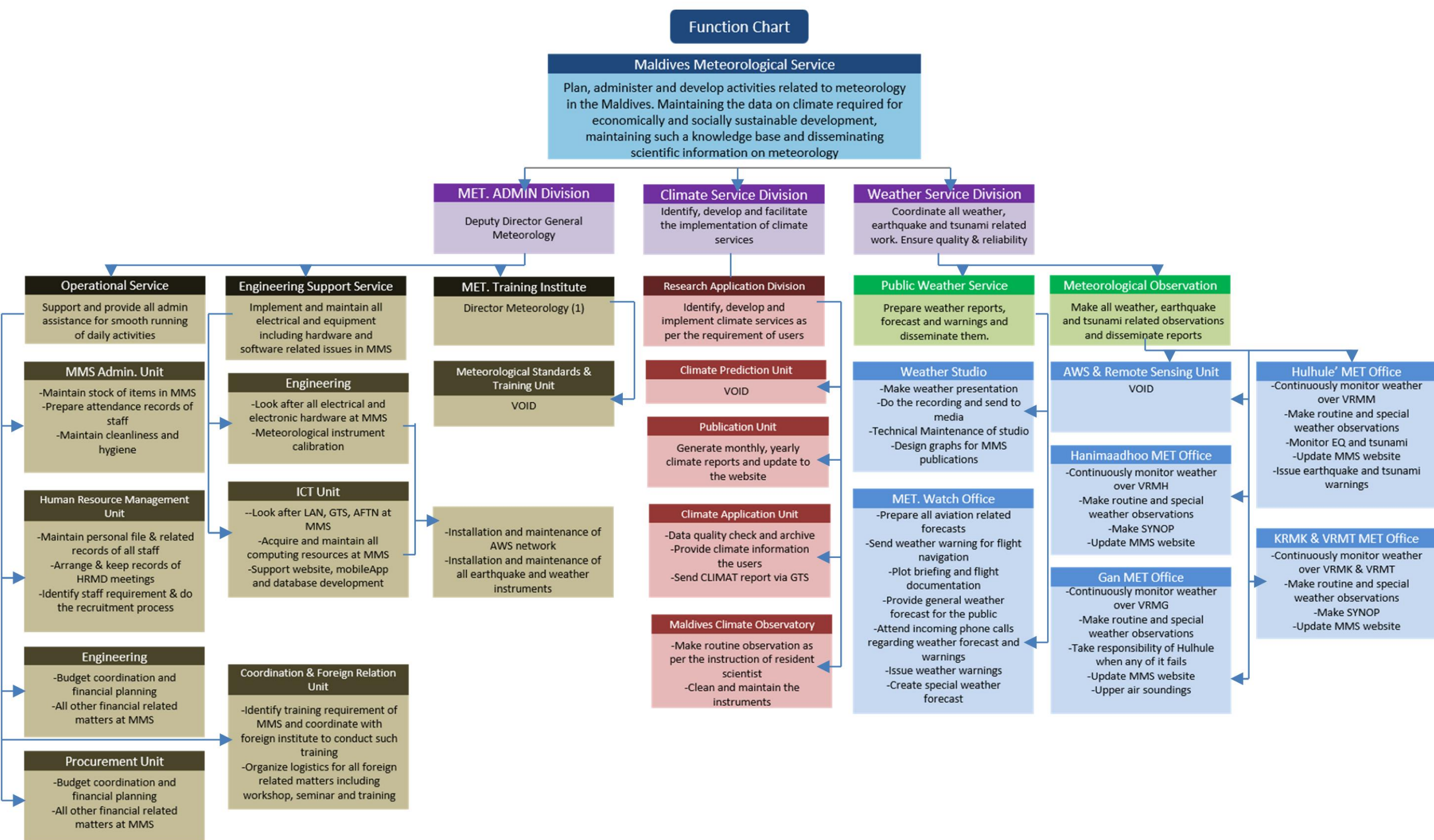


Other Facilities
3 Tide stations
2 Seismic stations
CMACast satellite image receiving system



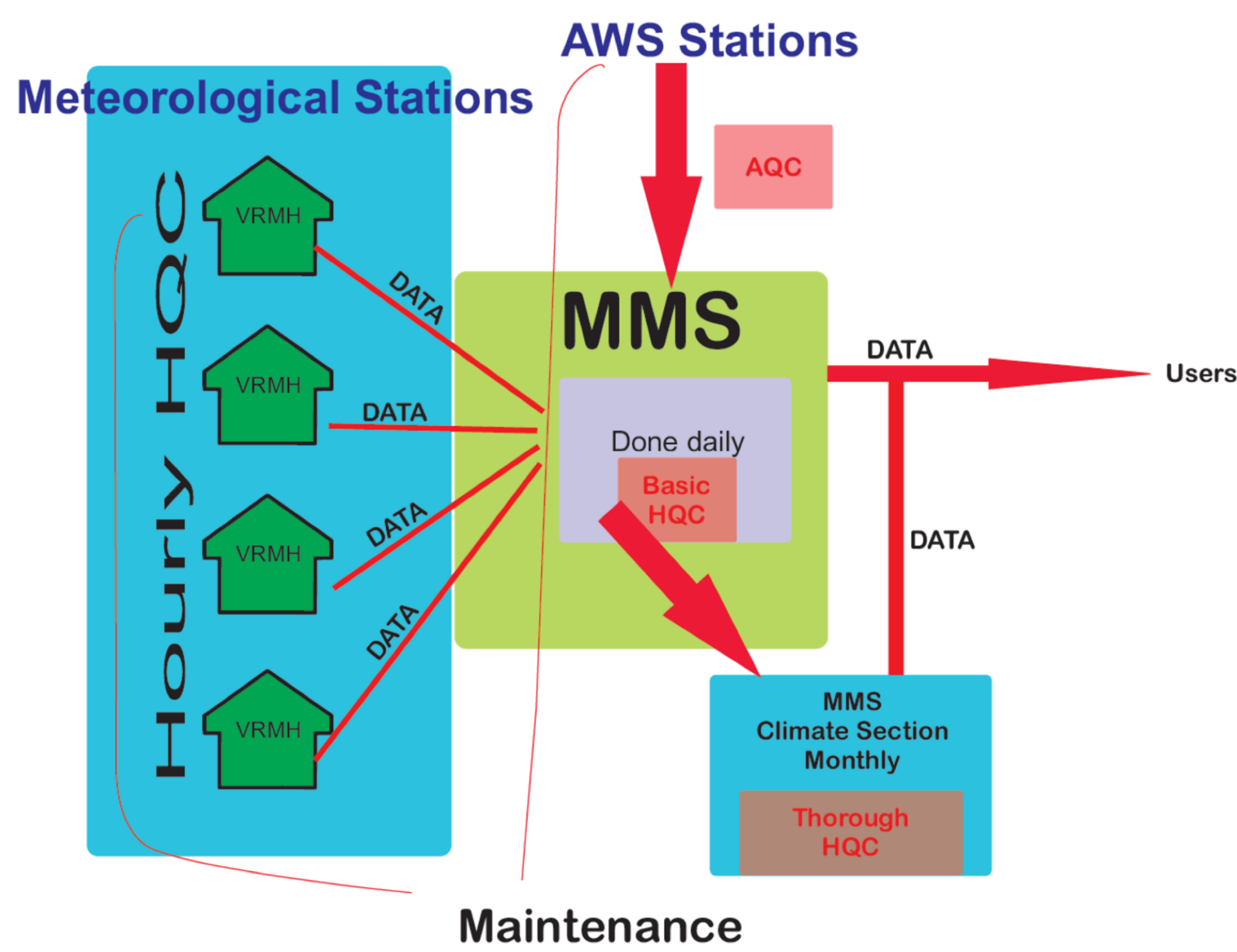
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2. Observational organization structure



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3. Quality management of observation data



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4. Integrated use of observation data

- Currently MMS does not have integration implemented on any of its equipment.

- Now a project is about to start for the Implementation of an integrated meteorological and climatological information and decision support system at Maldives Meteorological Service. Under this project, the following components would be implemented.

1. Integration of all the AWS stations that are installed in Maldives
2. Integration of manned meteorological stations
3. Integration of CAMCAST satellite image receiving system
4. Integration of Doppler weather radar at MMS
5. Implementation of weather surveillance module
6. Implementation of forecasters weather surveillance module
7. Climate module
8. Numerical weather prediction model integration
9. Common alerting protocol (CAP)

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5. Observer/expert training timeline

	2019	2020	2021
Training of Observers (BIP-MT)	3 staff	3 staff	1 staff
Training of Forecasters (BIP-M)	4 staff	4 staff	4 staff
Training of technicians	4 staff	4 staff	4 staff
Short term training (Radar, NWP, Climate, Satellite, Seismology etc)			
Maintaining observation instruments			
Instrument calibration training	2 staff	3 staff	2 staff
Refresher			

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6. Plan for developing products

Component	Outcome	Planned for
Development of MMS mobile application	1. Real-time weather information based on location 2. Near real-time map view of all available AWS stations showing current weather(Weather Icon) 3. Hourly weather forecast for 24 hrs and daily weather forecast for the next days 4. Display daily weather bulletin 5. Display weather images 6. Recent earthquake events displayed on a map	Would be finished mid 2019
Integration project	1. Implementation of unified meteorological and climatological information and decision support system 2. Integrates Maldives Meteorological Services (MMS) current observing facilities including satellite image receiving system, automatic weather stations etc. 3. Development of unified meteorological and climatological database 4. Implements real-time weather surveillance 5. Ensures quality of data 6. Ensure high availability of system by through efficient system design and implementation	Mid of 2020
Wave forecasting system for the Maldivian archipelago	1. Development and test of the regional wave model 2. Realization of an operational system that produces daily sea state forecasts	End of 2020
Expansion of radar network	1. Currently 1 radar which does not cover whole Maldives 2. Plan to procure two more radar that will provide 100 % radar coverage	Unknown
Establishment of climate research center	1. Would pursue sustainable economic growth by appropriately addressing the challenges of climate change 2. Help to integrate climate change policy into the sectorial planning processes of the country 3. Expect to strengthen inter-departmental decision making and coordination mechanisms on climate change	Unknown

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7. Expectation for this workshop

- Highlight on OSCAR Surface
- Knowledge sharing among member countries
- RWC's automatic data quality mechanisms
- RWC's services offered to RA II member countries
- Weather RWC's could offer short term training opportunities on OSCAR Surface to RA II countries

