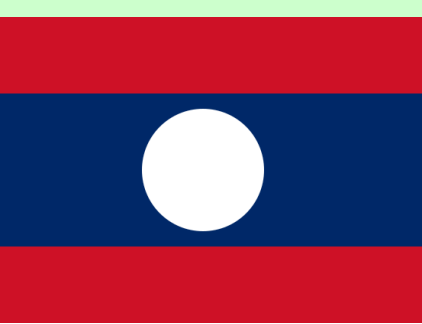


# Lao People's Democratic Republic



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COUNTRY REPORT LAO PDR  
RAII WIGOS WORKSHOP - REGIONAL WIGOS  
CENTRES AND ITS SERVICES FOR MEMBERS  
FROM 06 – 09 MARCH, 2019 IN TOKYO, JAPAN

DEPARTMENT OF METEOROLOGY AND HYDROLOGY (DMH)

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**OUTLINES**

- I. OBSERVATION SYSTEM OVERVIEW
- II. ORGANIZATION CHART
- III. QUALITY MANAGEMENT OF OBSERVATION DATA
- IV. INTEGRATED USE OF OBSERVATION DATA
- V. OBSERVER/EXPERT TRAINING TIMELINE
- VI. PLAN FOR DEVELOPING OF DMH LAO PDR
- VII. EXPECTATION FOR THIS WORKSHOP

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**5. Observer/expert training timeline**

- Conduct Hydrological and Meteorological training for 1.5 year
- Conduct on Job Training for one or two week special for observers
- DMH dispatched experts to encourage university students.

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**Plan for developing of DMH Lao PDR**

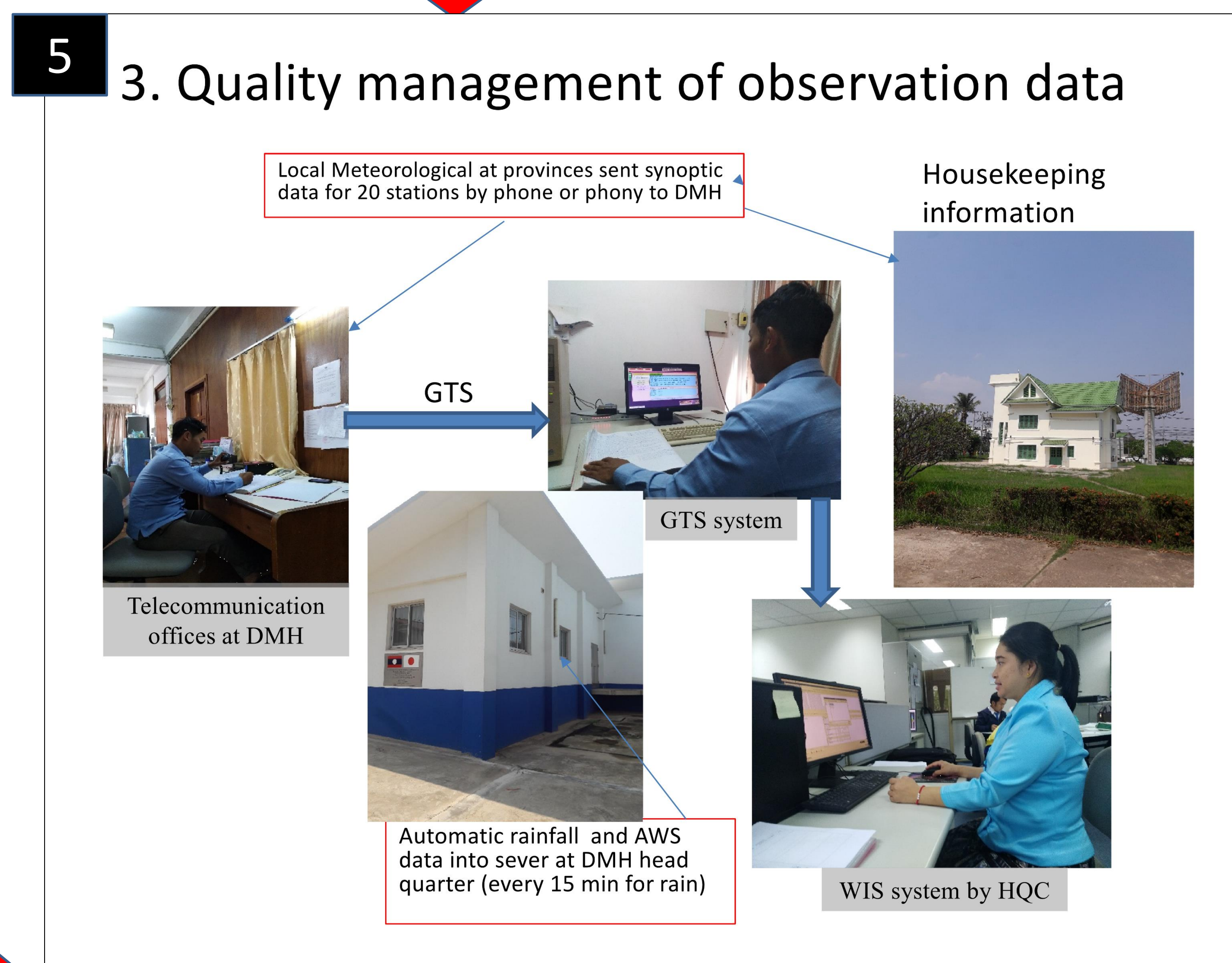
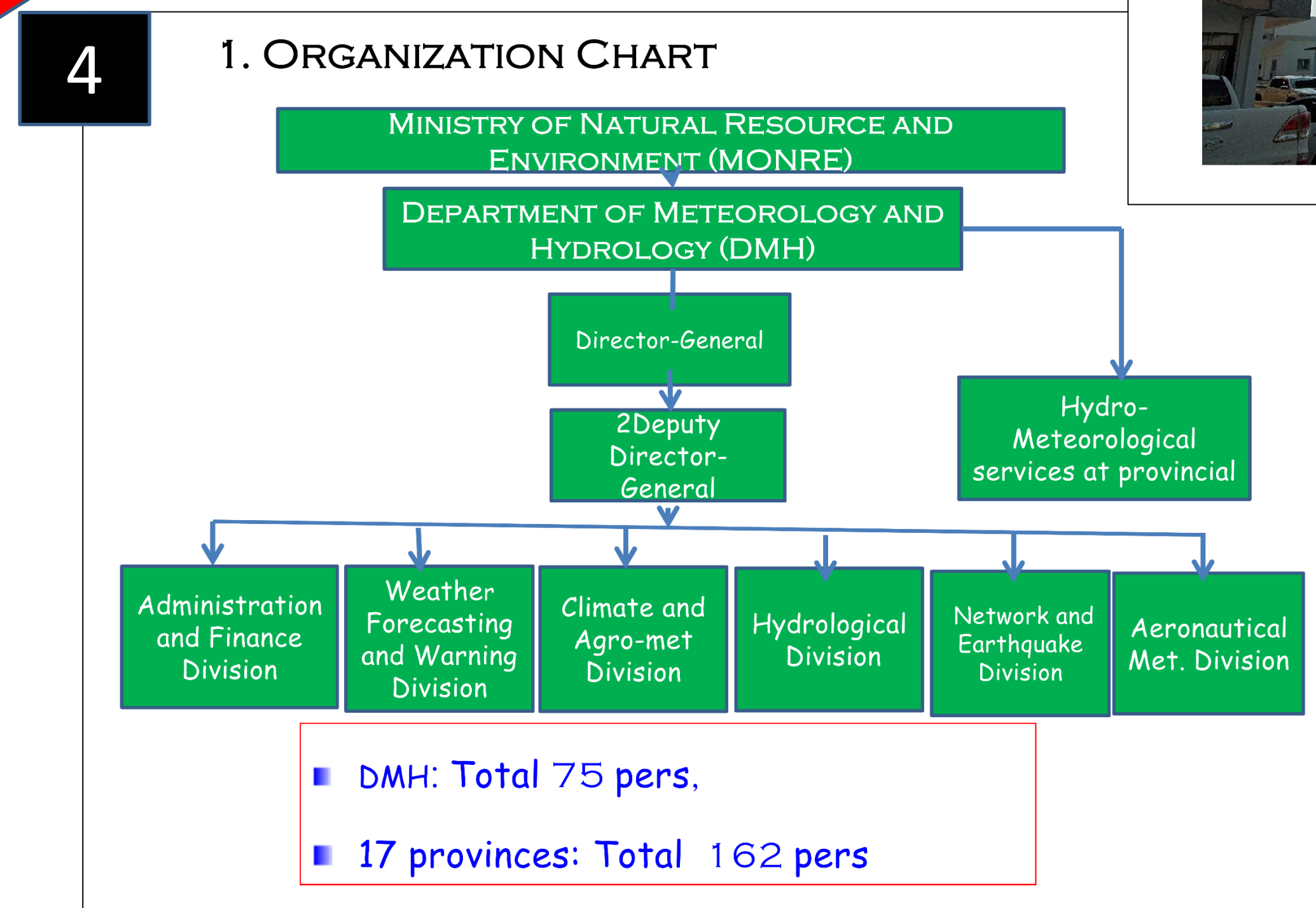
- Strengthening the Meteorological and Hydrological sectors from 2016-2020 and 2025-2030
- Complete the dissemination of the Law on Meteorology and Hydrology and complete the legalization of Law 2018 – 2025
- Improving and expanding the Meteorological and Hydrological station, including the rain gauge to update the database and modernize the database

**Plan for developing of DMH Lao PDR (con't)**

- Complete the installation of national intelligent warning device tool, including updating and linking the data transmission network 2018 - 2025
- Promote upgrading of national and international technical knowledge with the support of international organizations, continue to promote human resource development through the National Metrology and Hydrology courses at the National University, higher and middle level colleges with the Institute for Development of Biotechnology and training in the country.

**Plan for developing of DMH Lao PDR (con't)**

- Improving and expanding automatic Meteorological station under the support of 15 GEF / FAO agencies and 48 WB stations.
- Improving and expanding automatic Hydrological station under the support of WB 22 stations.
- Expand 5 earthquake stations at Phongsaly, Huaphan, Sayabouly, Bokeo and Vientiane provinces.



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**4. Integrated use of observation data**

Map of Meteorology Station in Lao PDR

One Doppler radar (C-band)

THE PLAN ENHANCING UPGRADED AN AUTOMATIC STATIONS

Rain gauges:

- whole country Approx. 258
- Automatic rain gauge station = 44
- Jica project = 18
- WB project = 16
- ADB project = 4

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**VII. Expectation for this workshop**

- Knowing how to monitoring of observation data and operation AQC, HQC
- Getting some materials for lecturing on WIGOS key issues including OSCAR/Surface and the WIGOS Data Quality Monitoring System (WDQMS)
- Making firm relationships between participants to exchange useful information after the workshop

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THANK YOU VERY MUCH!

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**1. Observation system overview**

Surface Observation at Observatories and Automated Weather Stations 76 st, AWS 38 station, manual 20 stations

Upper-air Observation using Radiosondes and Wind Profilers is zero NWP product

Weather Radar Observation 1 station

Geostationary Satellite Observation there is three receiving stations HIMAWARI 8/9, FY-2c/2d, COMS

Observation for Civil Aviation