



# COUNTRY REPORT

## Viet Nam Meteorological and Hydrological Administration



JMA WIS Workshop  
28-30 November 2023



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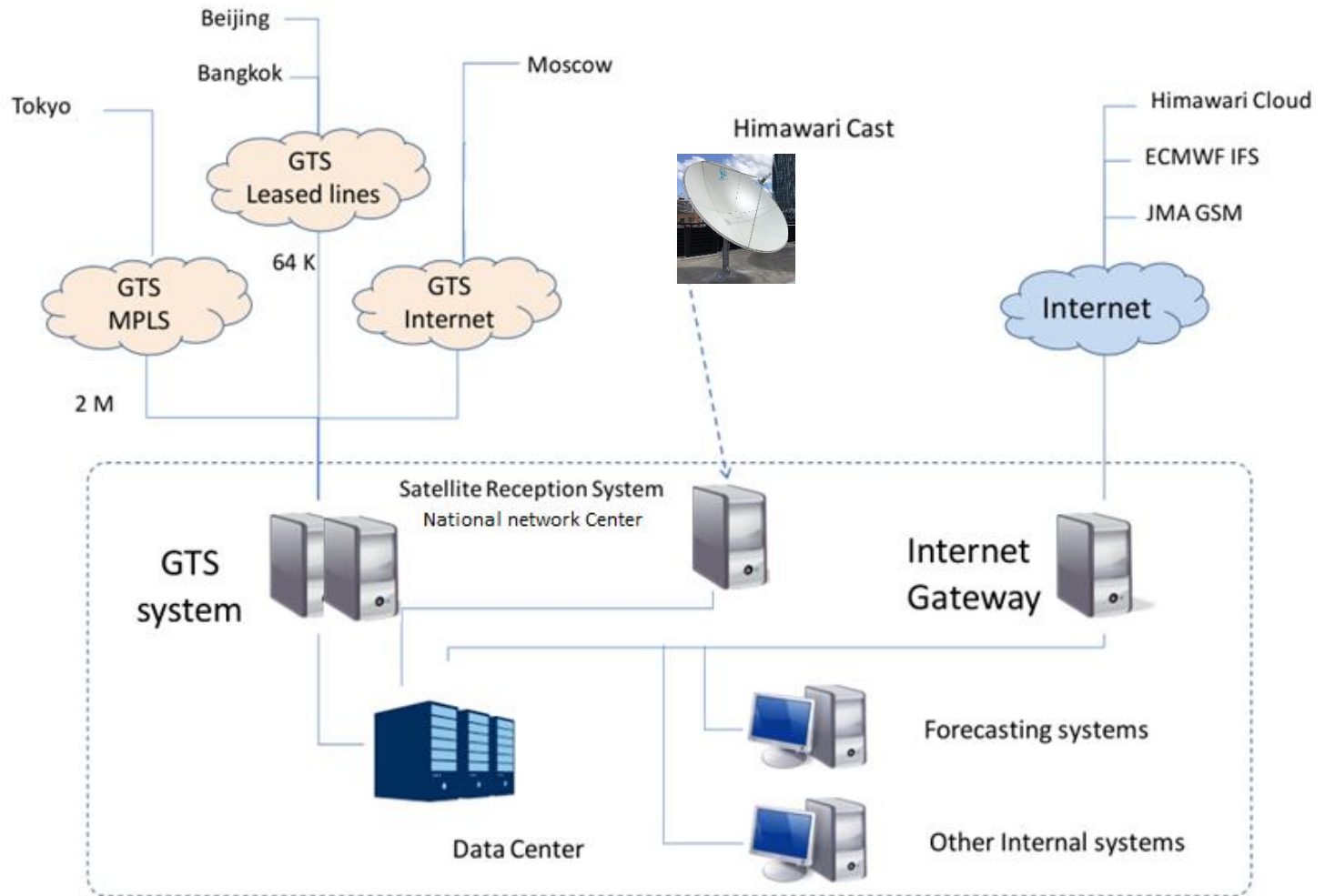


# Method Exchange Data

| Centre  | Protocol | Method            | Data   |
|---------|----------|-------------------|--|
| TOKYO   | FTP      | GTS, MPLS<br>2mb, | SYNOP, SHIP, TEMP, METAR,<br>Himawari products (CSR, AMV)... |
| MOSCOW  | FTP      | Internet          | SYNOP, SHIP, TEMP, METAR...                                  |
| BANGKOK | FTP      | Leased line       | SYNOP, SHIP, TEMP, METAR...                                  |
| BEJING  | FTP      | Leased line       | SYNOP, SHIP, TEMP, METAR...                                  |
| ECMWF   | HTTP     | Internet          | Global Model (GRIB)  |
| JMA     | HTTP     | Internet          | Himwari Statellite data                                      |
| JMA     | FTP      | Satellite         | Himwari Statellite data                                      |



# System network configuration





# Data reception from GTS/WIS

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- SYNOP, CLIMAT, TEMP, PILOT,..
- Aviation (METAR, TAF, SIGMET, AMDAR)
- Marine (BUOY, SHIP, TRACOB, BATHY)
- Himawari satellites (raw data and products)
- Analysis and Forecasting products ;
- Warning bulletins
- Others



# Data Provision To GTS/WIS

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- SYNOP (TAC and BUFR): 33 stations
- TEMP(TAC): 6 stations
- CLIMAT: 15 stations
- PILOT(TAC): 4 stations





# Public information

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- VNMHA Official Website:  
<http://vmha.gov.vn>
- Official Forecasting Website:  
<https://www.nchmf.gov.vn/kttvsite>



# Challenges of the current system

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- No backup plan
- Limited variety of Shared data types
- Lack of fund and human resource





# Efforts towards WIS2.0

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- Information collection of WIS2.0
- Participation to activities or events related to WIS2.0
- Proactive Coordination Upon Deployment of WIS 2.0





# Expectation to JMA and other countries

- Enhancing Data Exchange
- Strengthen relationship with the Japan Meteorological Agency and Other countries
- Dedicated to Collaborative Development of WIS 2.0

