

WIS 2.0 implementation plan

Trilok Singh
India Meteorological Department
India



WORLD
METEOROLOGICAL
ORGANIZATION



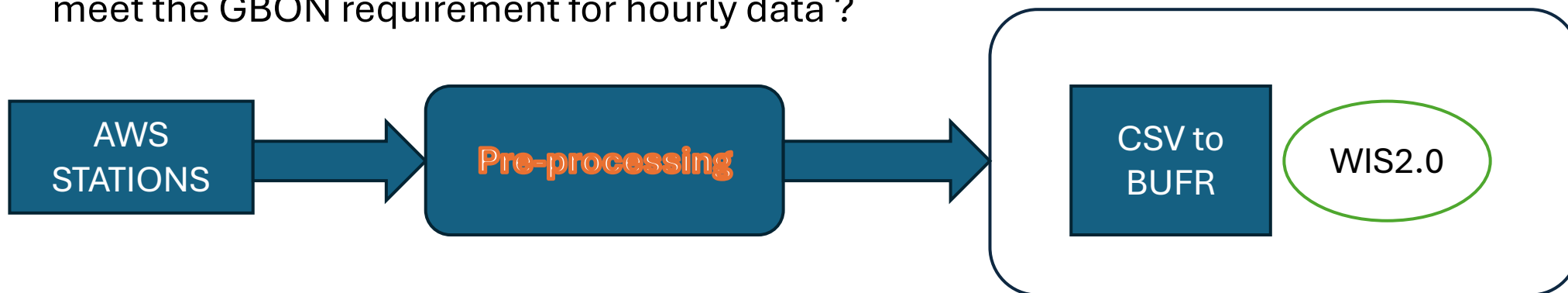
Software



What software solution to create WCMP2 records, publish WIS2 notifications and provide an MQTT and HTTP endpoint ?

➤ ***WIS2BOX SOFTWARE IS BEING USED TO PROVIDE THESE SERVICES***

How to establish an automated workflow for data sharing from Automatic Weather Stations to meet the GBON requirement for hourly data ?



Hosting a WIS2-node



vs



How will you host your WIS2 solution ?

- WIS2BOX is already operational in India and it is hosted On-premises infra.
- India has its own IT team to manage the IT infrastructure
- Planning to migrate the same in cloud in future



Operations



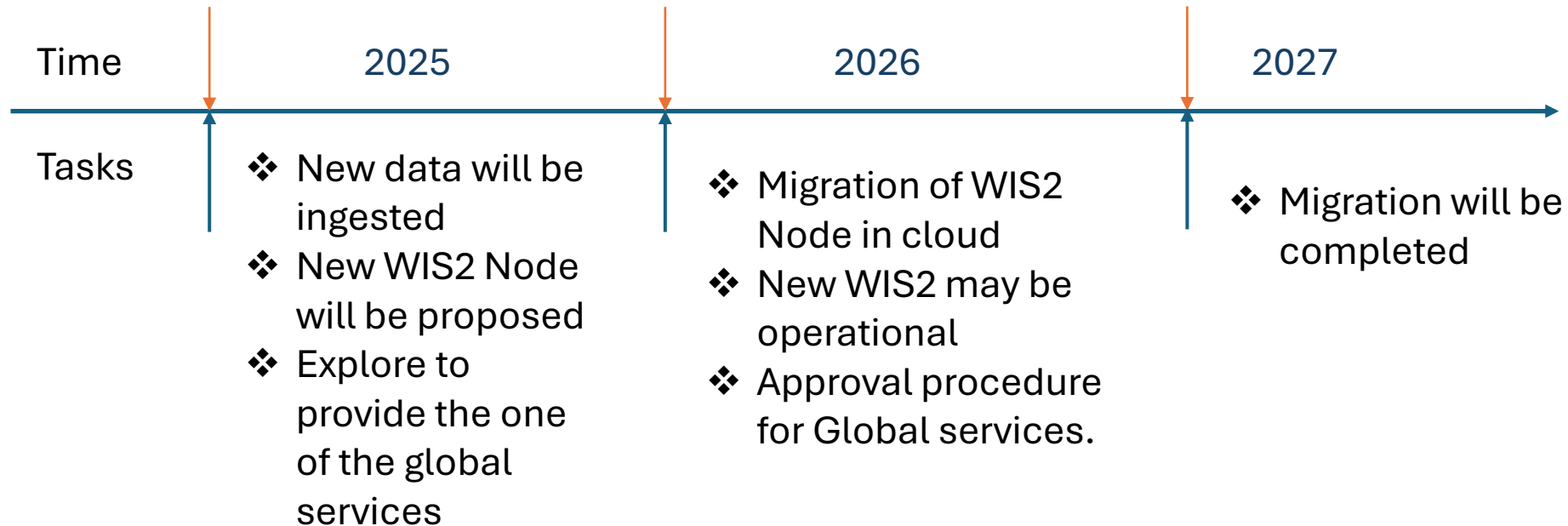
Who will operate, monitor and maintain the WIS2 node:

- NMHS
- OSCAR is being monitor on regular basis and updating by National Focal point of NMHS.



Timeline

When (rough timeline) would you be able to implement WIS 2.0 ?



WIS 2.0 implementation plan

Ahmed Zalif
Maldives Meteorological Service

Maldives

Software



WIS2Box to implement the WIS2.0 features. A proprietary software may not be cost-effective and must depend much on the supplier. However, with the proprietary software we may be able to integrate everything into one platform.

The required data will be transmitted to a central server and then push to wis2.0 node through ftp??

Hosting a WIS2-node



VS



The system will be host on-premise.

- we already have the infrastructure and technical staff needed to maintain the wis2node.**
- cloud services are much difficult due to yearly subscriptions than a one-time investment to a server**
- We will request assistance from GISC in case we get stuck**



Operations



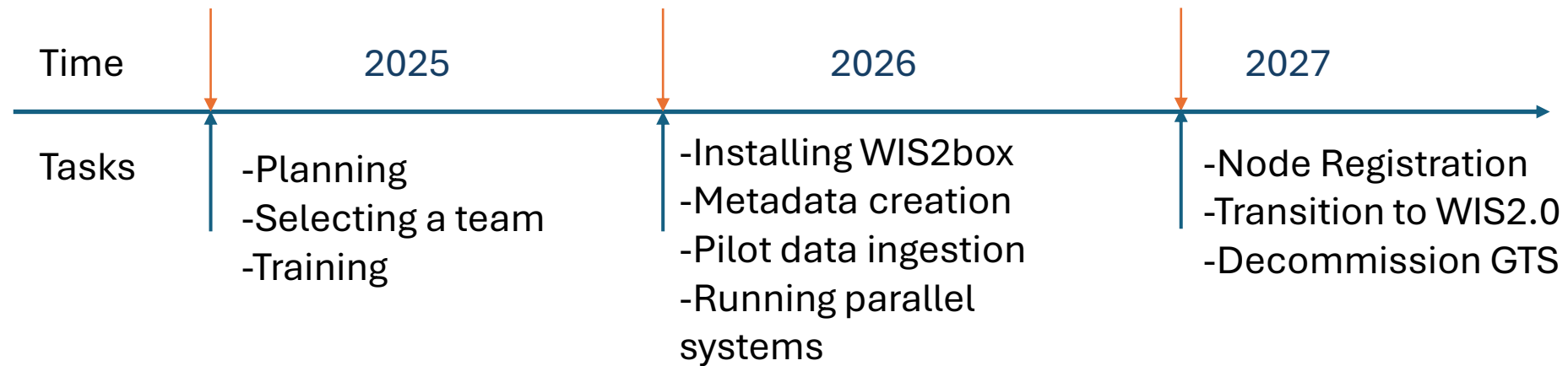
- **WIS2 node will be maintained by NMHS.**
- **Our WIS focal point is responsible for updating the OSCAR**
- **In case of GTS we are not relying on any other country, at present**



Timeline

When (rough timeline) would you be able to implement WIS 2.0 ?

- Under SOFF project we may be able to integrate the WIS2.0 system.



Thank You



WORLD
METEOROLOGICAL
ORGANIZATION



WIS 2.0 implementation plan

Md. Abdul Matin
Bangladesh Meteorological Department

Bangladesh

Software



What software solution to create WCMP2 records, publish WIS2 notifications and provide an MQTT and HTTP endpoint ?

How to establish an automated workflow for data sharing from Automatic Weather Stations to meet the GBON requirement for hourly data ?

We are talking with a specialist company to develop a customized software for sharing AWS data to meet the GBON requirement for hourly data. We already have given them sample AWS data.

Hosting a WIS2-node



VS



How will you host your WIS2 solution ?

- ✓ On-premises
- Public cloud
- Private cloud

Considerations:

- Do you have an existing solution that could provide instance to host your WIS2 node ?
Or do you have the option to procure a new service with a cloud vendor?
 - Yes, we will not procure server from cloud vendor
- For hosting on-premise: do you have the required IT support to provide host maintenance, networking and a fixed host address?
 - We need to hire support from private company
- Are you already working with another country in the region that could help provide you with an instance for hosting the WIS2 node?
 - No



Operations



Who will operate, monitor and maintain the WIS2 node:

- NMHS
- Regional, sub-regional
- Private company
- ✓ Combination of the above

Considerations:

- Who is responsible for the maintenance of your IT infrastructure and software updates? (your team, Private company, other to specify)
 - Presently BMD is maintaining IT infrastructure and software by a team combining BMD people and private company.
- Who is responsible for updating OSCAR/Surface and designating GBON stations?
 - National focal point of OSCAR/Surface with permission of PR
- Are you currently relying on another country for your data transfer on GTS/WIS that can assist you with operations in WIS2?
 - Not yet

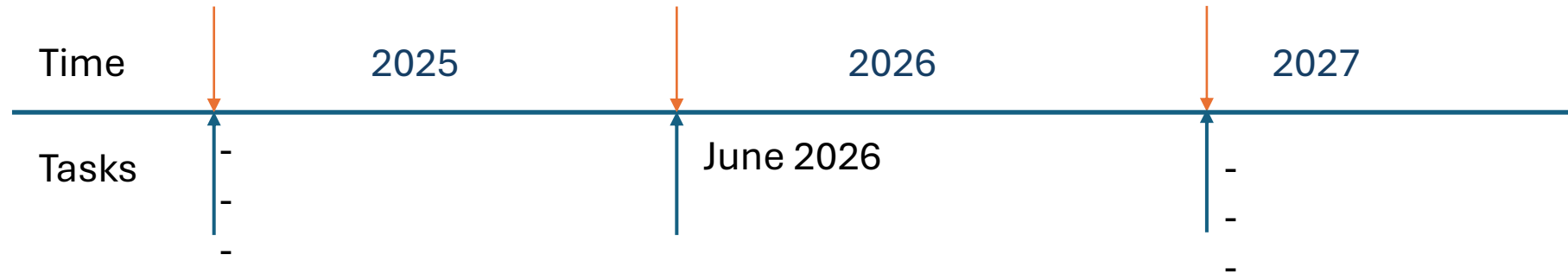


Timeline

When (rough timeline) would you be able to implement WIS 2.0 ?

Considerations:

- Do you currently have contracts with suppliers with a duration ending between 2025 and 2030 ?
- Do you have new projects being implemented between 2025 and 2030 that could be integrated in your WIS2 implementation timeline ?



WIS 2.0 implementation plan

MUHAMMAD KASHIF MEMON
PAKISTAN METEOROLOGICAL DEPARTMENT

PAKISTAN



WORLD
METEOROLOGICAL
ORGANIZATION



Software



What software solution to create WCMP2 records, publish WIS2 notifications and provide an MQTT and HTTP endpoint ?

❖ WIS2 box

How to establish an automated workflow for data sharing from Automatic Weather Stations to meet the GBON requirement for hourly data ?

- ❖ We have the GPRS/GSM enabled AWS stations which can directly connect to the public FTP server of our data center at NMC and upload the data from where we can transfer the data to WIS2.0 but it has to be discussed with the team currently managing the AWS stations as they are currently evaluating the accuracy of the data.

Hosting a WIS2-node



vs



How will you host your WIS2 solution ?

- On-premises
 - Public cloud
 - Private cloud
-
- ❖ Pakistan already has setup an On-Prem instance of wis2box and it is also publicly available
 - ❖ <https://wis2box.pmd.gov.pk/>
 - ❖ We also have our own team to provide support to our On-prem WIS2 box solution.



Operations



Who will operate, monitor and maintain the WIS2 node:

- NMHS
 - Regional, sub-regional
 - Private company
 - Combination of the above
-
- ❖ PMD already has the IT team who is fully capable of managing software/hardware related issue including WIS2 box.
 - ❖ We need to discuss internally on assigning new WIGOS station number to AWS stations.

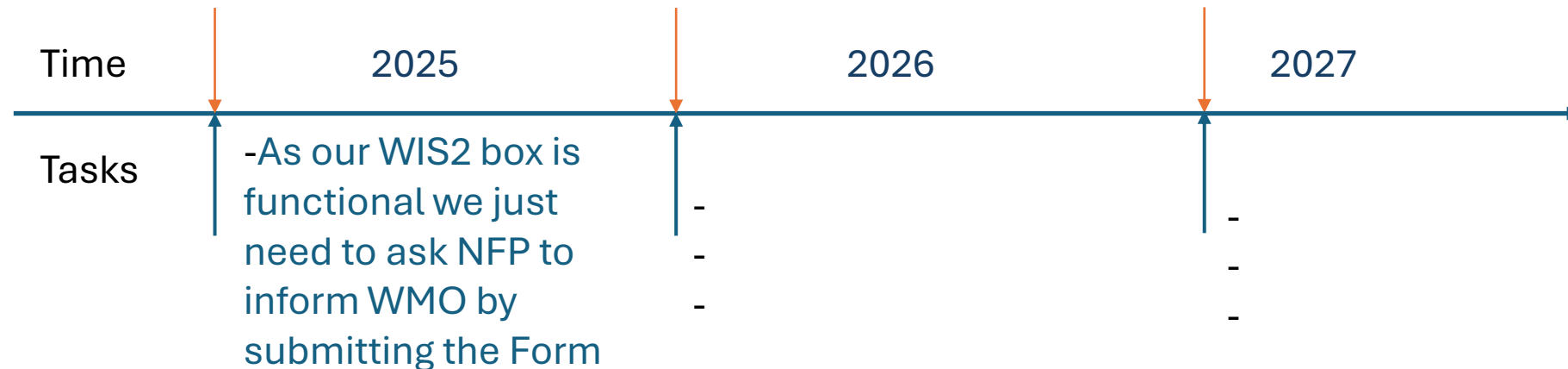


Timeline

When (rough timeline) would you be able to implement WIS 2.0 ?

Considerations:

- Do you currently have contracts with suppliers with a duration ending between 2025 and 2030 ?
- Do you have new projects being implemented between 2025 and 2030 that could be integrated in your WIS2 implementation timeline ?



WIS 2.0 implementation plan

KHOEUN Sokhom
Department of Meteorology
Kingdom of Cambodia

Software



What software solution to create WCMP2 records, publish WIS2 notifications and provide an MQTT and HTTP endpoint ?

To establish an automated workflow for data sharing from Automatic Weather Stations to meet the GBON requirement for hourly data and if still the missing data, we will do manual typing or contact WMO or regional coordinators to assist.

Hosting a WIS2-node



VS



How will you host your WIS2 solution ?

- On-premises (server on cloud)
- Public cloud
- Private cloud

Considerations:

- Do you have an existing solution that could provide instance to host your WIS2 node (we need assistance from WMO)
Or do you have the option to procure a new service with a cloud vendor?
- For hosting on-premise: do you have the required IT support to provide host maintenance, networking and a fixed host address? (we have small IT team work and still need more training)
- Are you already working with another country in the region that could help provide you with an instance for hosting the WIS2 node? (Japanese team work that cooperated with WMO)



Operations



Who will operate, monitor and maintain the WIS2 node:

- NMHS (Department of Meteorology/IT team work)
- Regional, sub-regional
- Private company
- Combination of the above

Considerations:

- Who is responsible for the maintenance of your IT infrastructure and software updates? (your team, Private company, other to specify) (IT team work who are officers under the Department of Meteorology)
- Who is responsible for updating OSCAR/Surface and designating GBON stations? (IT team work)
- Are you currently relying on another country for your data transfer on GTS/WIS that can assist you with operations in WIS2? (JMA central coordination)



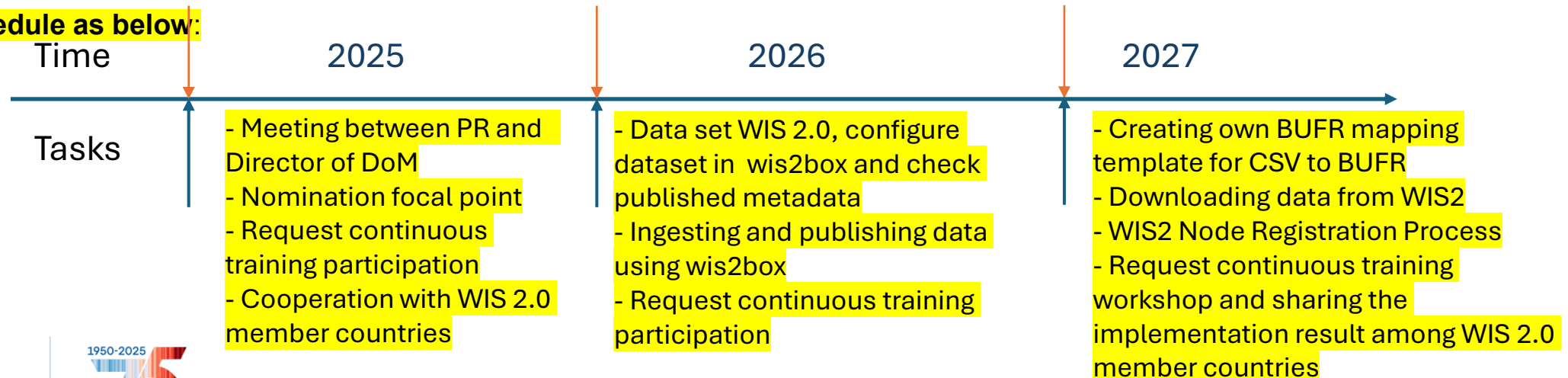
Timeline

When (rough timeline) would you be able to implement WIS 2.0 ?

Considerations:

- Do you currently have contracts with suppliers with a duration ending between 2025 and 2030 ? (Our PR understand and will contact Japanese team work to do this job and set up team work to operate and maintain the transaction from GTS to WIS 2.0)
- Do you have new projects being implemented between 2025 and 2030 that could be integrated in your WIS2 implementation timeline ?
(We signed MOU between DoM and FAO for Agrometeo project and this assists installation 8 AWSs and rehabilitation existing 10 AWSs in 4 provinces where the project target locations. Moreover, they also set up a server in our department as well.)

Draft schedule as below:



WIS 2.0 implementation plan

PA PA SWE
Department of Meteorology and Hydrology
MYANMAR

Software



What software solution to create WCMP2 records, publish WIS2 notifications and provide an MQTT and HTTP endpoint ?

WIS 2 box

How to establish an automated workflow for data sharing from Automatic Weather Stations to meet the GBON requirement for hourly data ?

We don't have integrated system for Automatic Weather Stations

Hosting a WIS2-node



VS



How will you host your WIS2 solution ?

- On-premises
- Public cloud
- Private cloud

Considerations:

- Do you have an existing solution that could provide instance to host your WIS2 node ? **No.**
Or do you have the option to procure a new service with a cloud vendor?
- For hosting on-premise: do you have the required IT support to provide host maintenance, networking and a fixed host address? **Not yet at the moment**
- Are you already working with another country in the region that could help provide you with an instance for hosting the WIS2 node?
Not yet at the moment, but there are possibilities to get cooperation



Operations



Who will operate, monitor and maintain the WIS2 node:

- NMHS
- Regional, sub-regional
- Private company
- Combination of the above

Considerations:

- Who is responsible for the maintenance of your IT infrastructure and software updates? (your team, Private company, other to specify) DMH
- Who is responsible for updating OSCAR/Surface and designating GBON stations? OSCAR Focal and GBON focal in DMH
- Are you currently relying on another country for your data transfer on GTS/WIS that can assist you with operations in WIS2?
No, DMH is responsible for operation

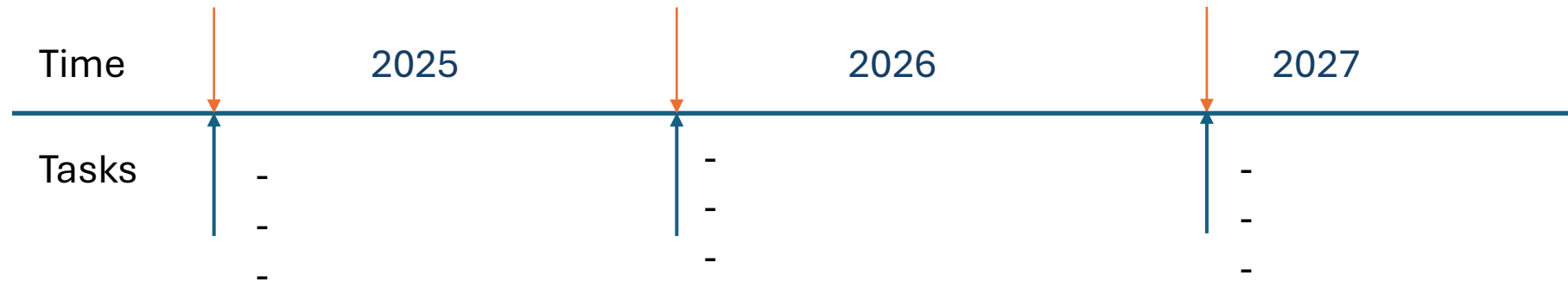


Timeline

When (rough timeline) would you be able to implement WIS 2.0 ?

Considerations:

- Do you currently have contracts with suppliers with a duration ending between 2025 and 2030 ? **Before 2030 hopefully**
- Do you have new projects being implemented between 2025 and 2030 that could be integrated in your WIS2 implementation timeline ?
Not yet new project currently, but I would like to wish to implement WIS2 in 2026

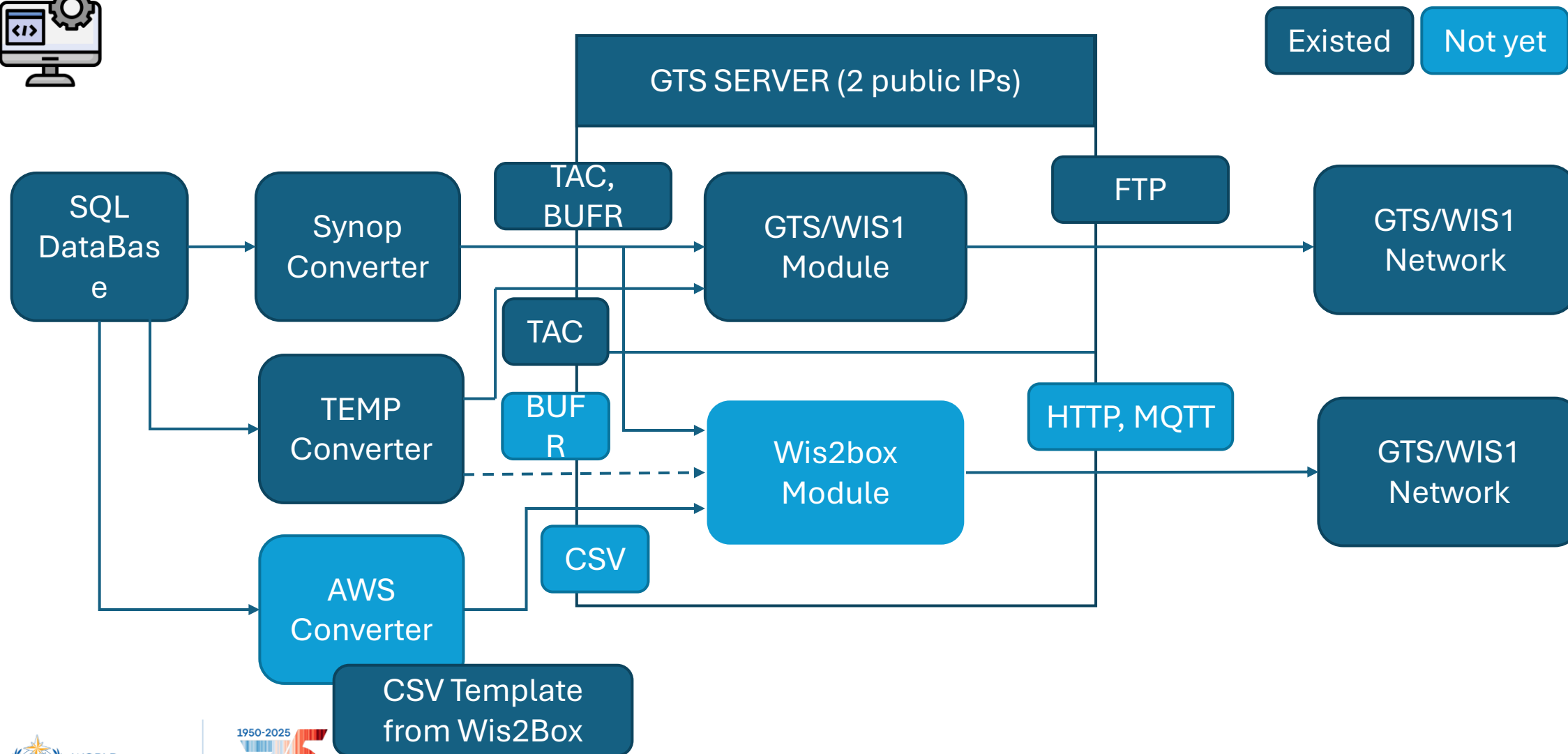


WIS 2.0 implementation plan

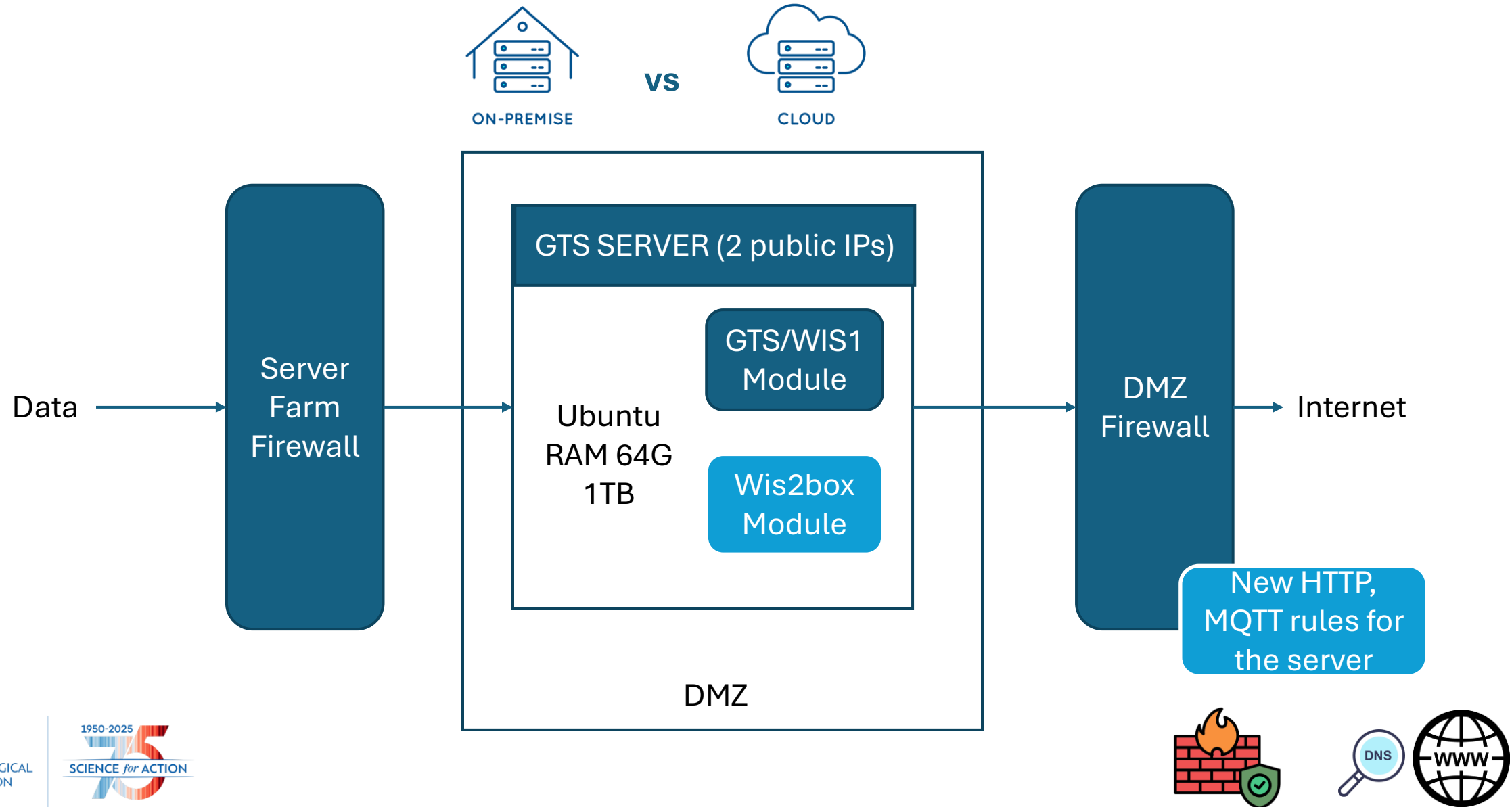
NGUYEN VIET HUY
VIET NAM METEOROLOGICAL AND HYDROLOGICAL ADMINISTRATION

VIET NAM

Software



Hosting a WIS2-node



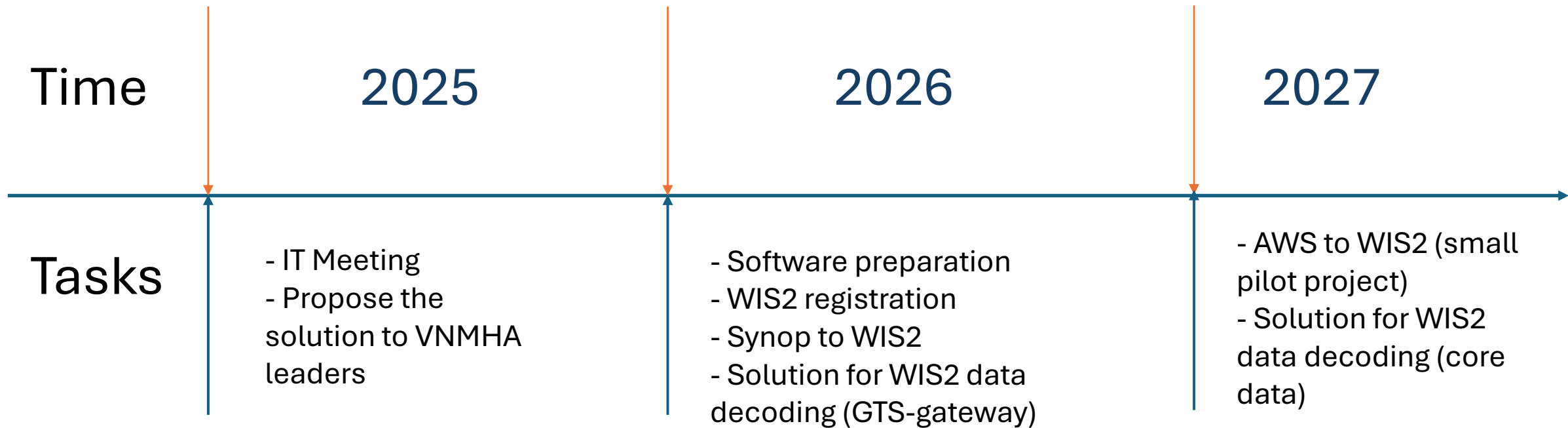
Operations



- Maintenance of Infrastructure and Software: Vietnam Hydro-meteorological Information and Data Center (IT Section)
- Network and Security: VNPT (our contracted company)
- International supporters (GISC Tokyo and/or GISC Beijing)



Timeline

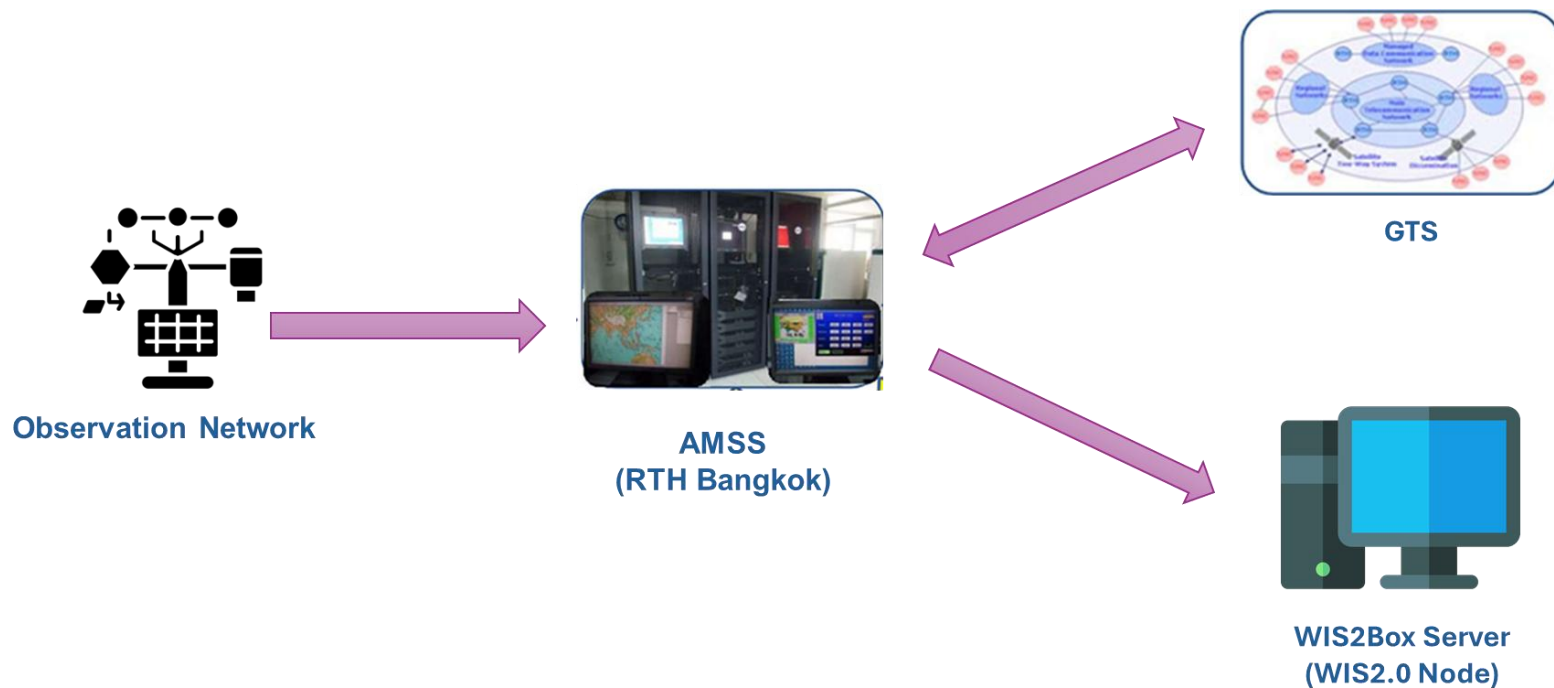


WIS 2.0 implementation plan

Natthaporn Lertsamranpinit
Thai Meteorological Department (TMD)

Thailand

Software



What software solution to create WCMP2 records, publish WIS2 notifications and provide an MQTT and HTTP endpoint ?

- Now we are using wis2box + data ingestion from existing system (AMSS).

Software



How to establish an automated workflow for data sharing from Automatic Weather Stations to meet the GBON requirement for hourly data ?



AWS

CSV decoded to TAC



**AMSS
(RTH Bangkok)**

TAC



**WIS2Box Server
(WIS2.0 Node)**

WIS2Box plugin SYNOP
FM12 to BUFR

TAC AND BUFR



GTS



WIS2.0

Hosting a WIS2-node



vs



How will you host your WIS2 solution ?

- **On-premises**
- Our team do our own network configuration and monitoring including fixed host address and firewall policy.

Are you already working with another country in the region that could help provide you with an instance for hosting the WIS2 node?

- There were only online meetings and consultations with other countries such as China, Singapore and Japan(Both onsite and online).



Operations



Who will operate, monitor and maintain the WIS2 node?

- NMHS
 - Maintain IT infrastructure and software update

Who is responsible for updating OSCAR/Surface and designating GBON stations?

- Our national focal point on OSCAR/Surface.

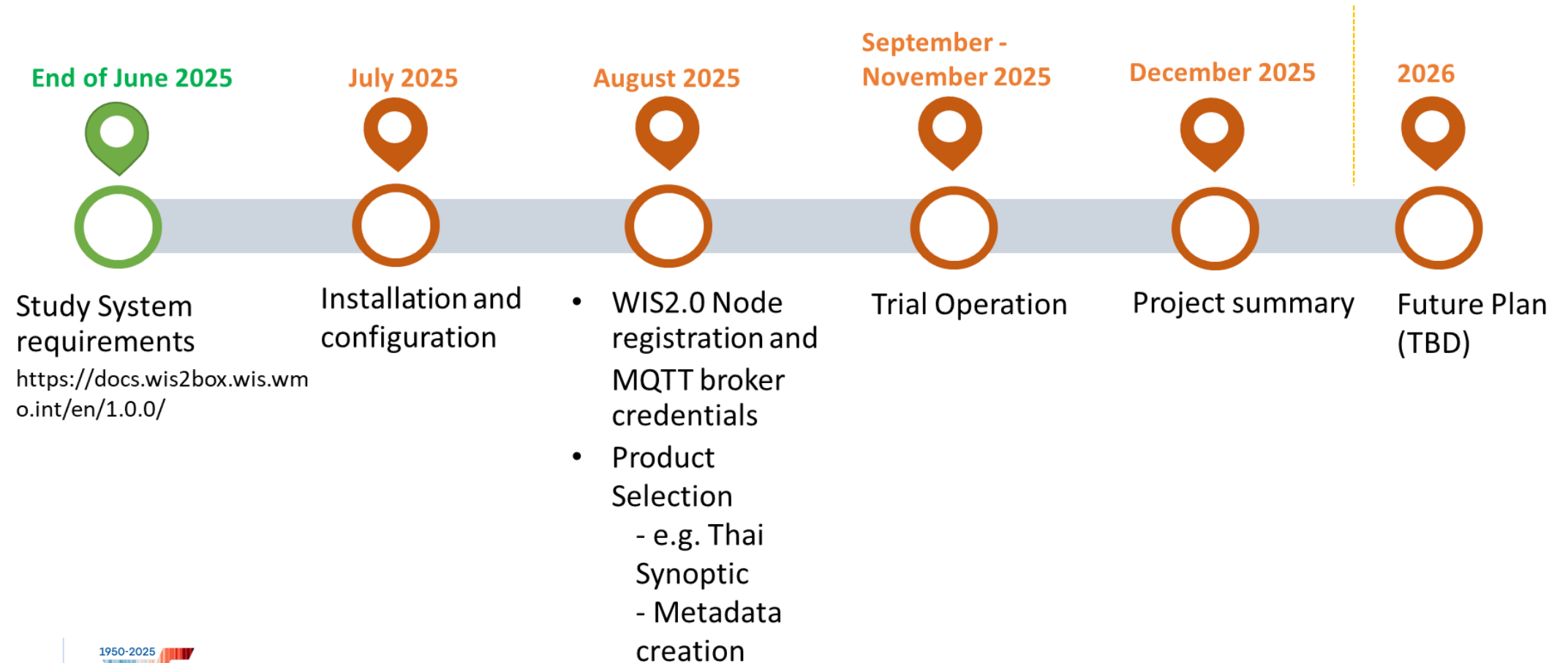
Are you currently relying on another country for your data transfer on GTS/WIS that can assist you with operations in WIS2?

- No. However, other than synoptic data, there will be other sets of data, such as upper-air data, to be exchanged on WIS2.



Timeline

WIS2.0 Implementation Plan of TMD (2025)



Timeline

Considerations:

Do you currently have contracts with suppliers with a duration ending between 2025 and 2030 ?

- Now, we have been operation WIS 2.0 since the middle of August 2025.
Anyway, the procurement process for a new system has been on going.

Do you have new projects being implemented between 2025 and 2030 that could be integrated in your WIS2 implementation timeline ?

- A new system will be installed around 2026-2027 to support the WIS2.0.
Once the new system completed, the private company will take over the system maintenance and other supports.

WIS 2.0 implementation plan

Bounteum SISOUPHANTHAVONG
Department of Meteorology and hydrology

Lao PDR

Software



What software solution to create WCMP2 records, publish WIS2 notifications and provide an MQTT and HTTP endpoint ?

RTH Bangkok



GTS



WIS2Box Server
(WIS2.0 Node)

**Campbell
Neo
software
Encoding
CSV,
BUFR**

DMH Database Center



System Integration
Campbell

Internet



Meteorological
Manual station



Hydrological
Manual station



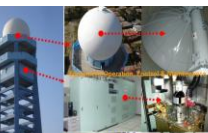
Automatic
Weather
Station



Automatic
Water Level
station



GBON
6 AWS,
1 Sounding



Intranet

Hosting a WIS2-node



vs



- DMH will host WIS2 solution: **Public cloud based**
- DMH will work with another country in the region: **Japan (JMA), China (CMA)**
- Under **CREWS project** to procure a new service with cloud vendor



Operations



Who will operate, monitor and maintain the WIS2 node:

- ✓ NMHS
 - ✓ responsible for the maintenance of your IT infrastructure and software updates
 - ✓ responsible for updating OSCAR/Surface and designating GBON stations
 - ✓ DMH is currently relying on another country for your data transfer on GTS/WIS that can assist you with operations in WIS2

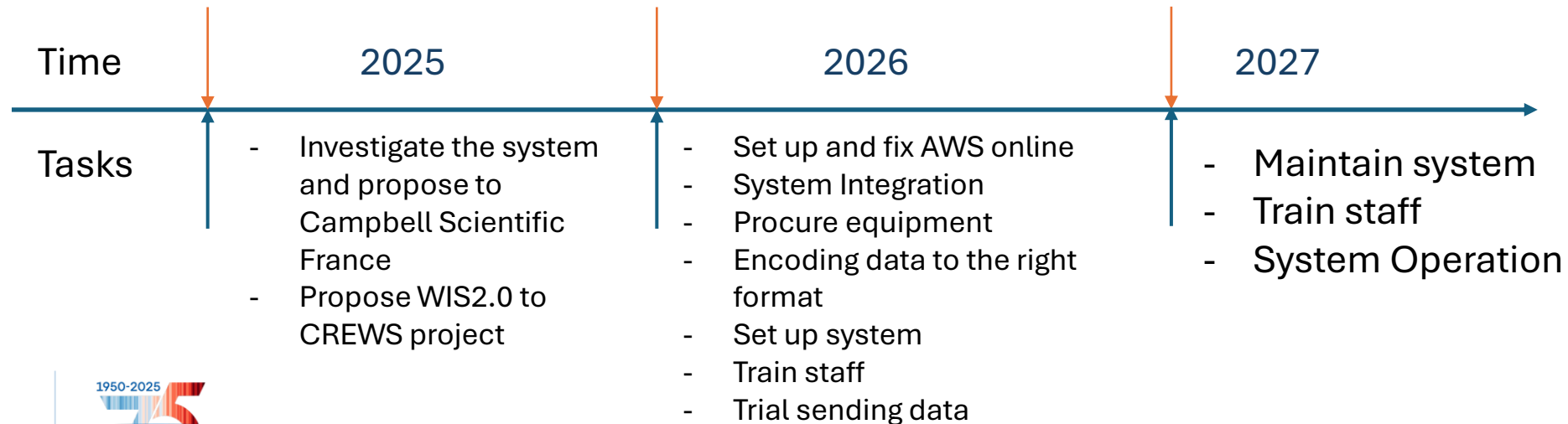


Timeline

When (rough timeline) would you be able to implement WIS 2.0 ?

Considerations:

- Do you currently have contracts with suppliers with a duration ending between 2025 and 2030 ?
- Do you have new projects being implemented between 2025 and 2030 that could be integrated in your WIS2 implementation timeline ?



WIS 2.0 implementation plan

BATBOLD ALTANGEREL

NATIONAL AGENCY METEOROLOGY AND
ENVIRONMENTAL MONITORING

MONGOLIA

Software



What software solution to create WCMP2 records, publish WIS2 notifications and provide an MQTT and HTTP endpoint ?

- Do you already have a contract with a supplier that offers WIS 2.0 compliant solutions ?

No

- Do you have a local software development team that could adapt your existing system to be compliant with WIS 2.0 using wis2box or wis2box-components ?

We have software development team in our agency, But they are no experience to WIS2 software.

- How would you setup a data workflow from Automatic Weather Stations to meet GBON requirements for hourly data ?

-We collected AWS data in database for every 1 minute using a GSM/3G/4G cellular network from AWS datalogger. But we don't have any software solution for AWS data to provide MQTT and HTTP endpoint for publish WIS2.

Hosting a WIS2-node

How will you host your WIS2 solution?



- On-premises

Do you have an existing solution that could provide instance to host your WIS2 node ? Or do you have the option to procure a new service with a cloud vendor?

We want to have an existing solution our WIS2 node.

For hosting on-premise: do you have the required IT support to provide host maintenance, networking and a fixed host address?

There has Meteorology Telecommunication center In Our agency

Are you already working with another country in the region that could help provide you with an instance for hosting the WIS2 node?

We are discussing to talk with CMA National Meteorological Information Centre for WIS2, Further, we are planning to work for WIS2 in meeting between with CMA and NAMEM.



Operations



- Who is responsible for the maintenance of your IT infrastructure and software updates? (your team, Private company, other to specify)
NATIONAL AGENCY METEOROLOGY AND ENVIRONMENTAL MONITORING, MONGOLIA
- Identify who you can work with to update OSCAR/Surface and designating GBON stations and ensure these stations can share data on WIS2?
Climate Division NATIONAL AGENCY METEOROLOGY AND ENVIRONMENTAL MONITORING, MONGOLIA
- Are you currently relying on another country for your data transfer on GTS/WIS that can assist you with operations in WIS2?

WE ARE PLANNING TO WORK FOR WIS2 IN THE COOPERATION BETWEEN CMA-NAMEM,

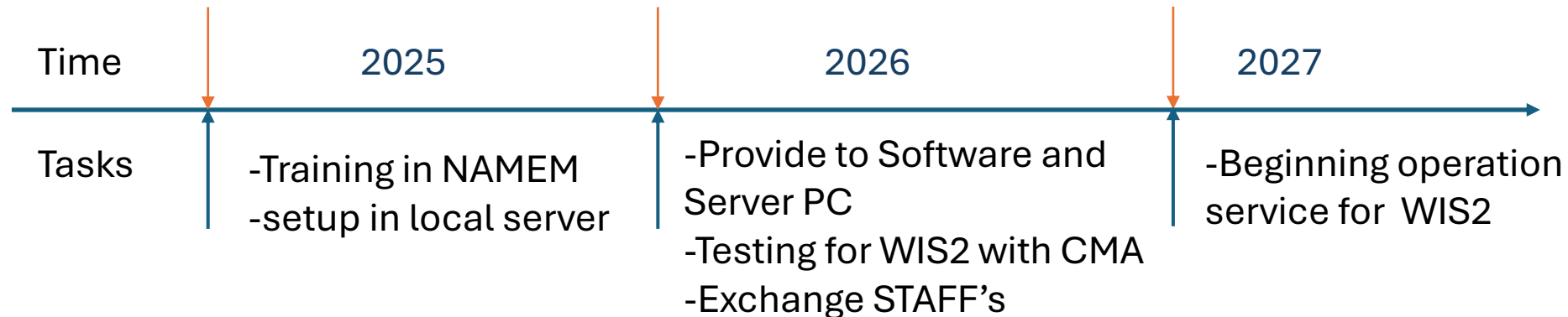


Timeline

When (rough timeline) would you be able to implement WIS 2.0 ?

Considerations:

- Do you currently have contracts with suppliers with a duration ending between 2025 and 2030 ?
- Do you have new projects being implemented between 2025 and 2030 that could be integrated in your WIS2 implementation timeline ?



WIS 2.0 implementation plan

Minseon PARK/Yuni LEE
Korea Meteorological Administration
South Korea

Software

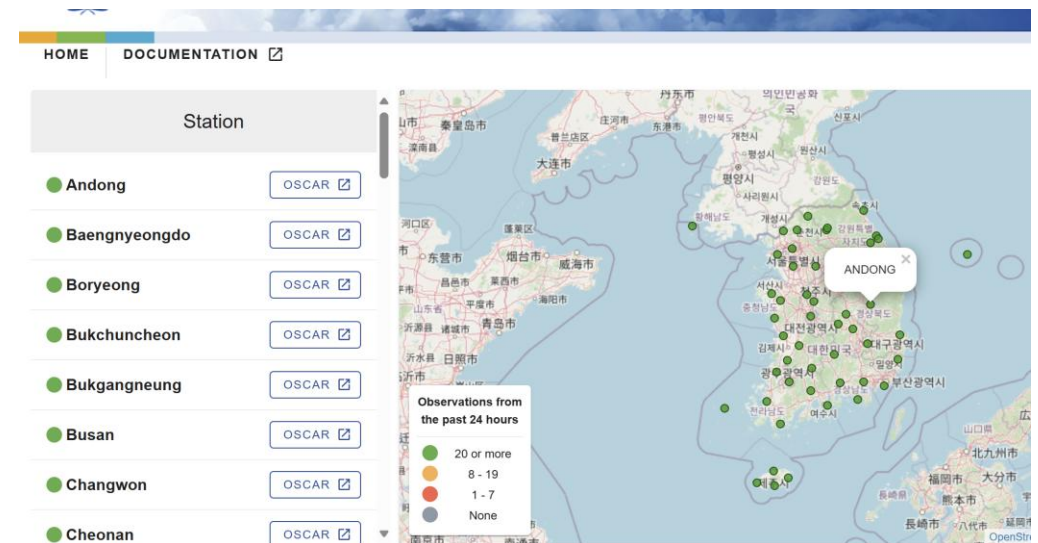


What software solution to create WCMP2 records, publish WIS2 notifications and provide an MQTT and HTTP endpoint ?

- Wis2box does

How to establish an automated workflow for data sharing from Automatic Weather Stations to meet the GBON requirement for hourly data ?

**-Wis2box is already processing .
Wis2box in South Korea is transmitting
the data on an hourly basis.**



Hosting a WIS2-node



vs



How are you hosting your WIS2 solution ?

- On-premises
- Public cloud
- **Private cloud**

Considerations:

- For hosting on-premise: do you have the required IT support to provide host maintenance, networking and a fixed host address?
- **A dedicated team manages the institution's private cloud environment, while the wis2 team is responsible for software operations and management.**



Operations



Who are operating, monitoring and maintaining the WIS2 node:

- NMHS
- Regional, sub-regional
- Private company
- **Combination of the above (NMHS, Private company)**

Considerations:

- Who is responsible for the maintenance of your IT infrastructure and software updates?
WIS team is responsible for policy decision, General management of operation and Private company is responsible for real-time monitoring and Operation management
- Who is responsible for updating OSCAR/Surface and designating GBON stations?
observation policy division
- Are you currently relying on another country for your data transfer on GTS/WIS that can assist you with operations in WIS2?

NO



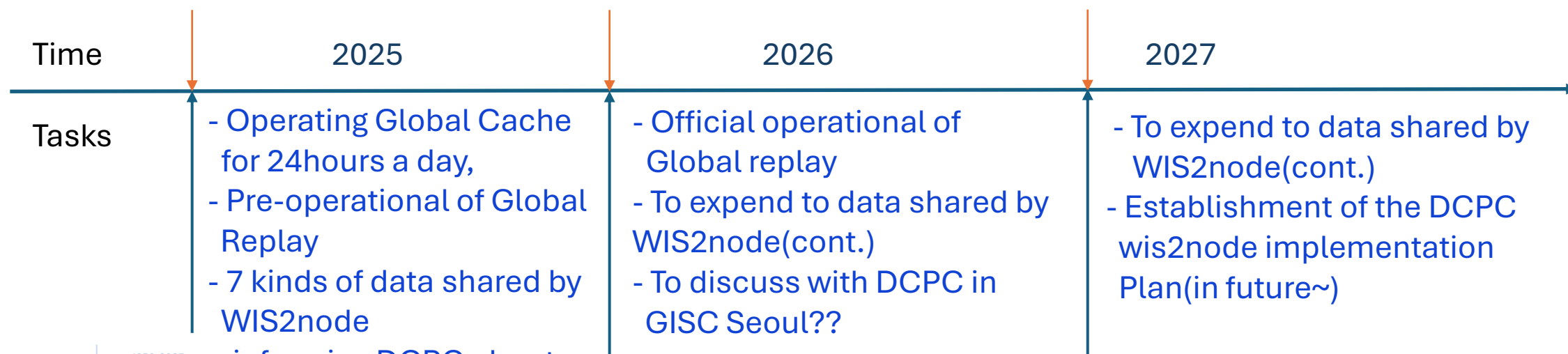
Timeline

When (rough timeline) would you be able to implement WIS 2.0 ?

Considerations:

- Do you currently have contracts with suppliers with a duration ending between 2025 and 2030 ?
- Do you have new projects being implemented between 2025 and 2030 that could be integrated in your WIS2 implementation timeline ?

Nothing has been decided in detail regarding DCPC yet



WIS 2.0 implementation plan

Thomas Wong
SMG

Macao, China

Software

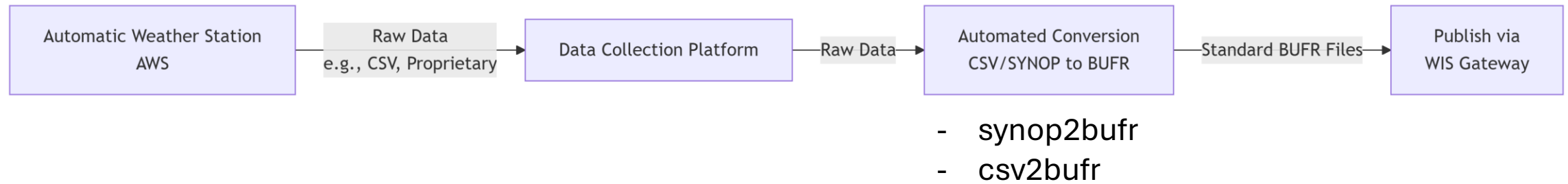


What software solution to create WCMP2 records, publish WIS2 notifications and provide an MQTT and HTTP endpoint ?

Use **wis2box**

- WCMP2 records: dataset-editor in the wis2box-webapp
- WIS2 Notifications:
 - ☐ Manually: **MinIO** service over SFTP
 - ☐ Automatically: use self script with a following command:
`wis2box data ingest -p {file} --metadata-id {metadata's id}`
 - ☐ MQTT and HTTP endpoint: build in tools (NGINX for HTTP/HTTPS, mosquitto for MQTT)

Software



Hosting a WIS2-node



VS



Depends...

primarily on **budget** and **network security risk tolerance**.

Two options:

Option1: ON-PREMISE

Option2: Public Cloud



Hosting a WIS2-node



VS



Option 1: ON-PREMISE:

- **Network Security:** Configure firewalls to open only the necessary inbound ports required for access.
- OS security Risk: establish a routine for applying system updates, including critical bug fixes and security patches
- **Hosting:** Host the application on a virtual machine within our existing internal infrastructure.
- **Operations:** Implement ongoing, proactive monitoring of the system (e.g **VMware vCenter Server**)
- **Architecture:** Deploy two nodes in a high-availability setup (one production **master** and one **slave** for redundancy).



Hosting a WIS2-node



VS



Option 2: Public Cloud Deployment (e.g. Aliyun)



- Hosting: Deploy the WIS2-node on a public cloud platform.
- Architecture: Provision two WIS2-nodes (one **production**, one **slave**) to maintain high availability.



Operations



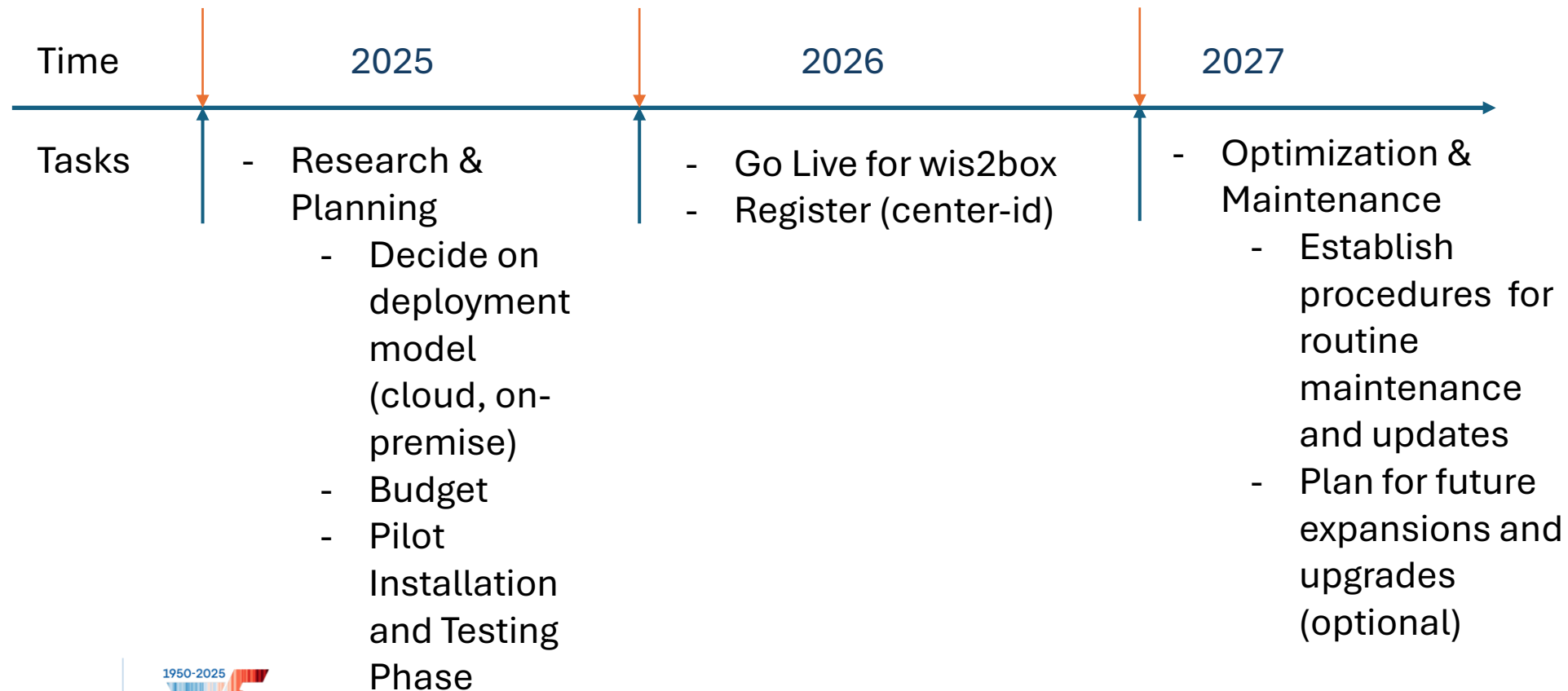
Who will operate, monitor and maintain the WIS2 node:

- DSMG (Macao, China)



Timeline

When would you be able to implement WIS 2.0 ?



WIS 2.0 implementation plan

Kai-hou YIP
Hong Kong Observatory

Hong Kong, China

Software



Do you already have a contract with a supplier that offers WIS 2.0 compliant solutions ?
Do you have a local software development team that could adapt your existing system to be compliant with WIS 2.0 using wis2box or wis2box-components ?

- WIS2.0 to be implemented HKO departmental officers.
- HKO software development team: 5 to 6 staffs

What software solution to create WCMP2 records, publish WIS2 notifications and provide and MQTT and HTTP endpoint ?

- To be performed by
 - wis2box (modify if necessary to compile with government requirements)
 - in-house developed Linux/Python/etc software routines
 - based on existing infrastructure

How to establish an automated workflow for data sharing from Automatic Weather Stations to meet the GBON requirement for hourly data ?

- Enhance existing in-house software

Hosting a WIS2-node



VS



How will you host your WIS2 solution ?

- Currently WIS2 Node on cloud provided by vendor
- Consider on-premises to enhance resilience

For hosting on-premise: do you have the required IT support to provide host maintenance, networking and a fixed host address?

- Make use of existing servers, DM zone, network supporting GTS/regional data exchange

Are you already working with another country in the region that could help provide you with an instance for hosting the WIS2 node?

- No. To be implemented by HKO.



Operations



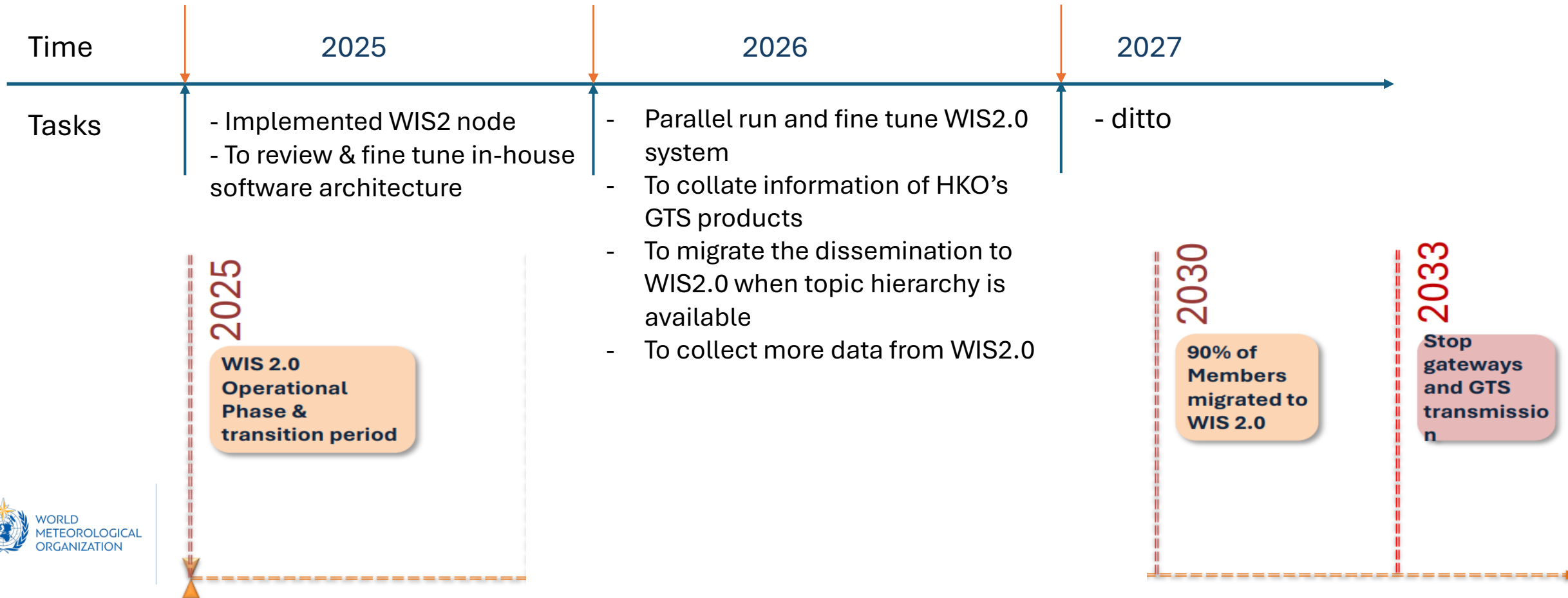
Who will operate, monitor and maintain the WIS2 node:

- 3 HKO divisions to maintain the operation of
 - GBON Stations
 - Software & data exchange activities
 - Hardware & network



Timeline

- ***Do you currently have contracts with suppliers with a duration ending between 2025 and 2030 ?***
 - Subject to financial consideration, cloud suppliers could be extended.



WIS 2.0 implementation plan

W.P.K Priyadharsena
Department of Meteorology

Sri Lanka

Software



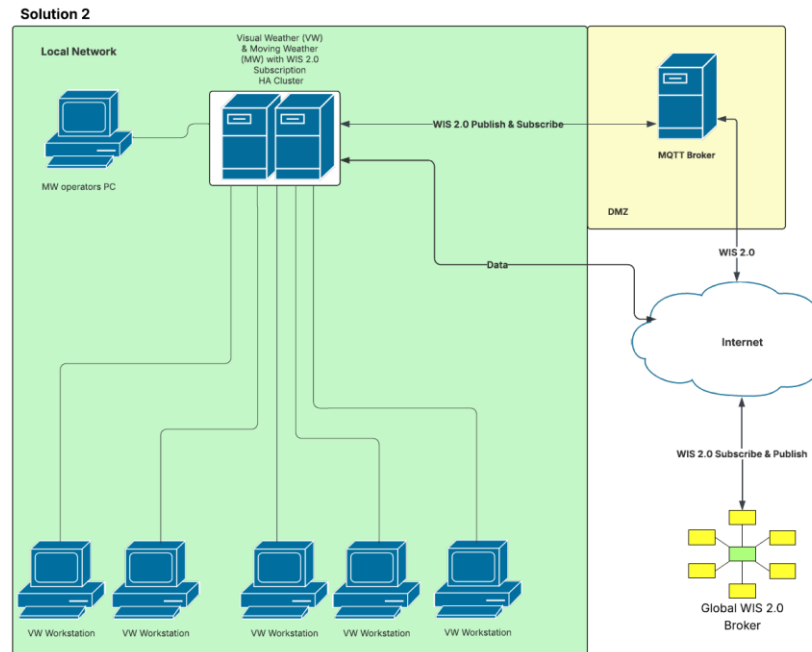
- IBL Moving Weather, Visual Weather and Aeroweather using since 2016
- Process is on going to upgrade hardware and software of IBL system including WIS 2.0 compliant
- 8 automatic weather stations are sending GBON data
- IBL system capable of sending CSV/SQL data from AWS system Automatically



Hosting a WIS2-node



- **System is hosted in department server room**
- **Department IT infrastructure is maintained by in house staff**
- **Qualified staff available to maintain the systems**



Operations



- Operation, monitoring, and maintenance of the WIS2 node will be carried out by the department's technical staff.
- Department staff are trained to resolve minor issues of the IBL system.
- An annual service contract will be signed with IBL for software updates and resolution of major issues.



Timeline

Task	2025		2026			
	Q3	Q4	Q1	Q2	Q3	Q4
Procurement process of HW/SW upgrade						
WIS 2.0 registration						
Installation						
Start operation of WIS 2.0						
Termination of GTS operation						

WIS 2.0 implementation plan

SANTA KUMAR MAHARJAN
DEPARTMENT OF HYDROLOGY AND METEOROLOGY
NEPAL



WORLD
METEOROLOGICAL
ORGANIZATION



Software



What software solution to create WCMP2 records, publish WIS2 notifications and provide an MQTT and HTTP endpoint ?

How to establish an automated workflow for data sharing from Automatic Weather Stations to meet the GBON requirement for hourly data ?

WIS2 Box will be used. DHM, Nepal is equipped with Data Management System (DMS), which can establish an automated workflow for WIS2 data sharing.

As far as GBON requirement for hourly data is concerned, data logger gives the aggregated hourly data (Point, max, Min, average data for almost all stations).

Hosting a WIS2-node



vs



How will you host your WIS2 solution ?

On-premises. DHM, Nepal have Primary Data centre at its own building with back-up in the Government Integrated Data Centre (GIDC). DHM have required section dedicated to this purpose (IT Section). 7/24 support and maintainace consultancy service is being taken from vendors/third party. Government allocation of Budget for this heading is continued.



Operations



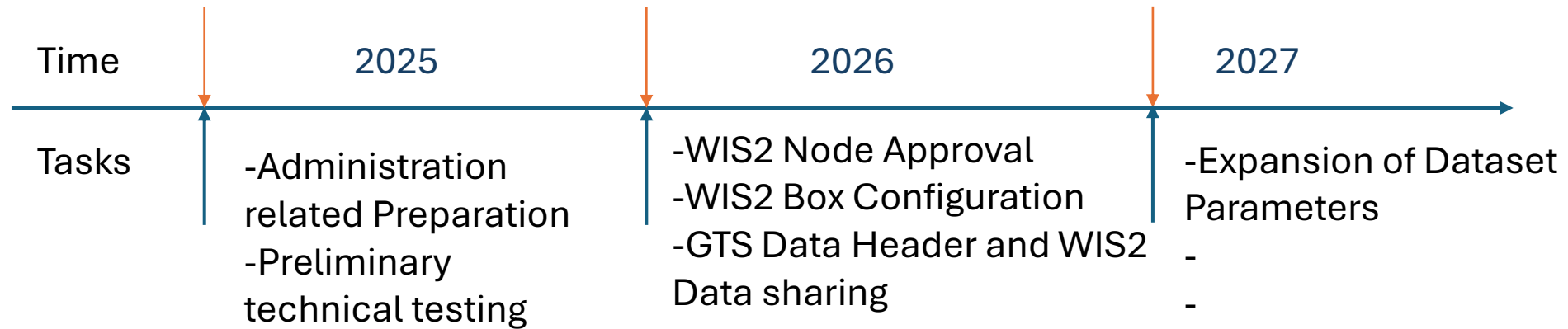
Who will operate, monitor and maintain the WIS2 node:

DHM, Nepal is responsible for the maintainance of IT infrastructure and software updates, updating OSCAR and designating GBON stations. Consultancy service could be purchased as per the requirement.



Timeline

When (rough timeline) would you be able to implement WIS 2.0 ?



WIS 2.0 implementation plan

Report by: Mingjiao GONG
GISC Beijing

National Meteorological Information Centre (NMIC)
China Meteorological Administration (CMA)
September 19th, 2025

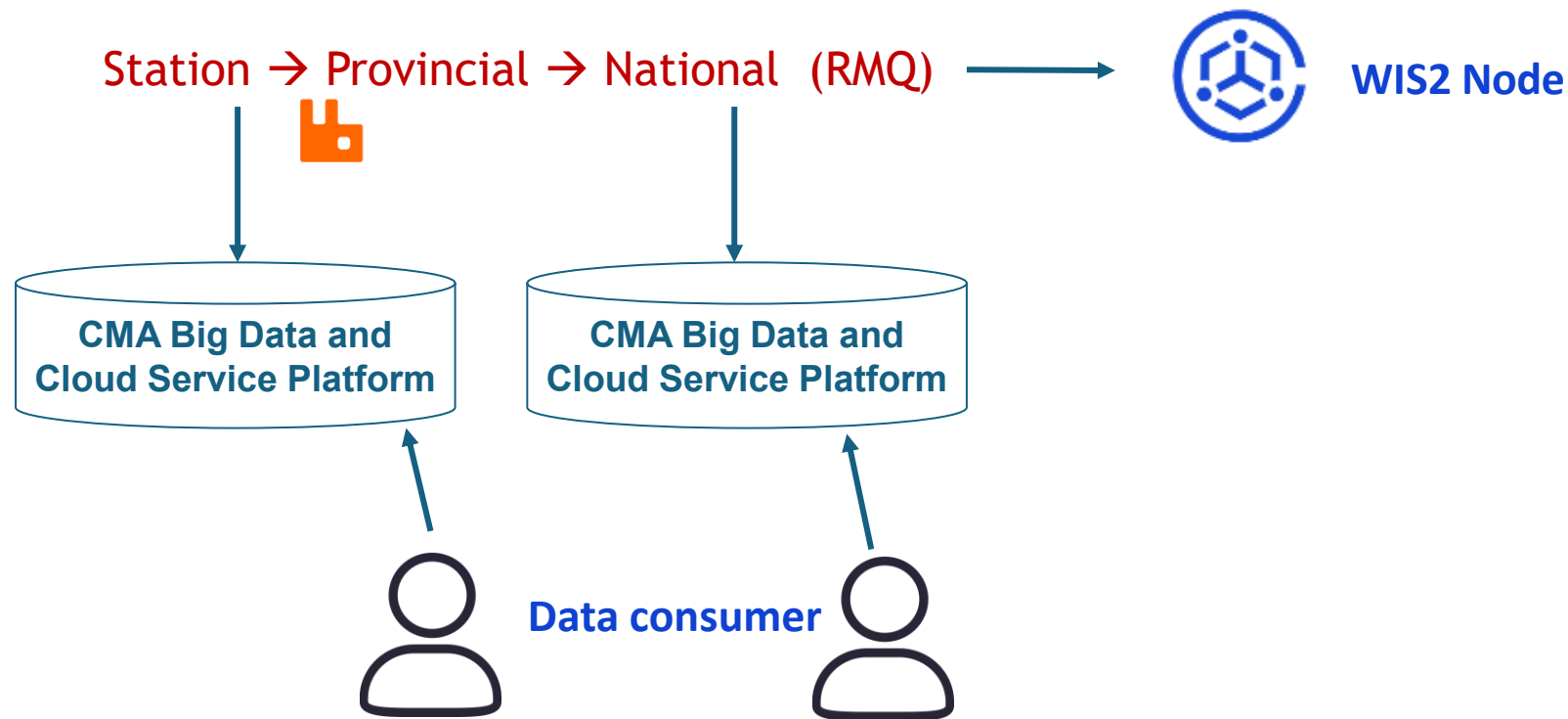
Software



What software solution to create WCMP2 records, publish WIS2 notifications and provide an MQTT and HTTP endpoint ?

- wis2box

How to establish an automated workflow for data sharing from Automatic Weather Stations to meet the GBON requirement for hourly data ?



Hosting a WIS2-node



VS



How will you host your WIS2 solution?

- On-premises
- Public cloud
- Private cloud

Considerations:

Do you have an existing solution that could provide instance to host your WiS2 node ?

Or do you have the option to procure a new service with a cloud vendor?

For hosting on-premise: do you have the required IT support to provide host maintenance, networking and a fixed host address?

Are you already working with another country in the region that could help provide you with an instance for hosting the Wis2 node?

Dedicated divisions responsible for maintaining the servers, network and operating system.



Operations



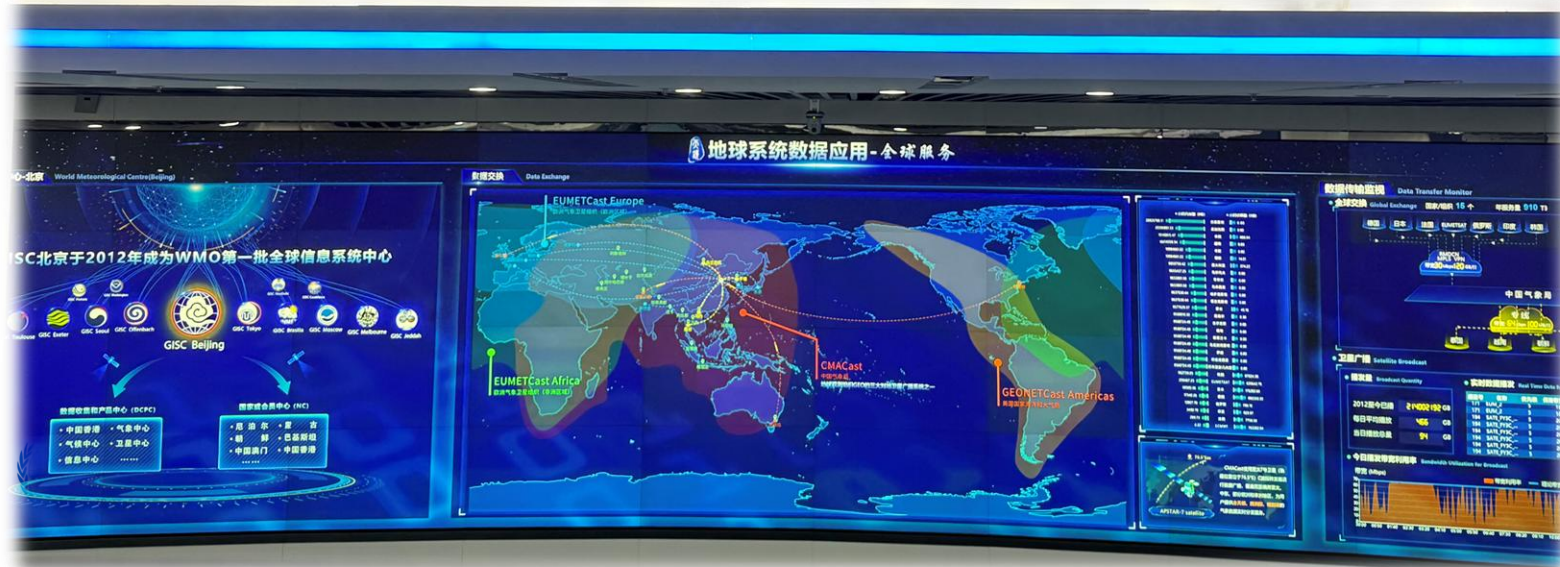
Who will operate, monitor and maintain the WIS2 node:

- NMHS
 - Regional, sub-regional
 - Private company
 - Combination of the above



Considerations:

- Who is responsible for the maintenance of your IT infrastructure and software updates? (your team, Private company, other to specify)
 - Who is responsible for updating OSCAR/Surface and designating GBON stations?
 - Are you currently relying on another country for your data transfer on GTS/WIS that can assist you with operations in WIS2?
- **CMA dedicated team.**



Timeline

When (rough timeline) would you be able to implement WIS 2.0 ?

Considerations:

- Do you currently have contracts with suppliers with a duration ending between 2025 and 2030 ?
- Do you have new projects being implemented between 2025 and 2030 that could be integrated in your WIS2 implementation timeline ?



Closing remarks WIS2 Training

WIS2 Training Guangzhou wrap-up

For any question on WIS2 and/or technical support: wis2-support@wmo.int

Subscribe to WIS2 newsletters:

<https://community.wmo.int/en/news/wis2box-newsletter>

<https://community.wmo.int/en/news/wis2-operational-newsletter>

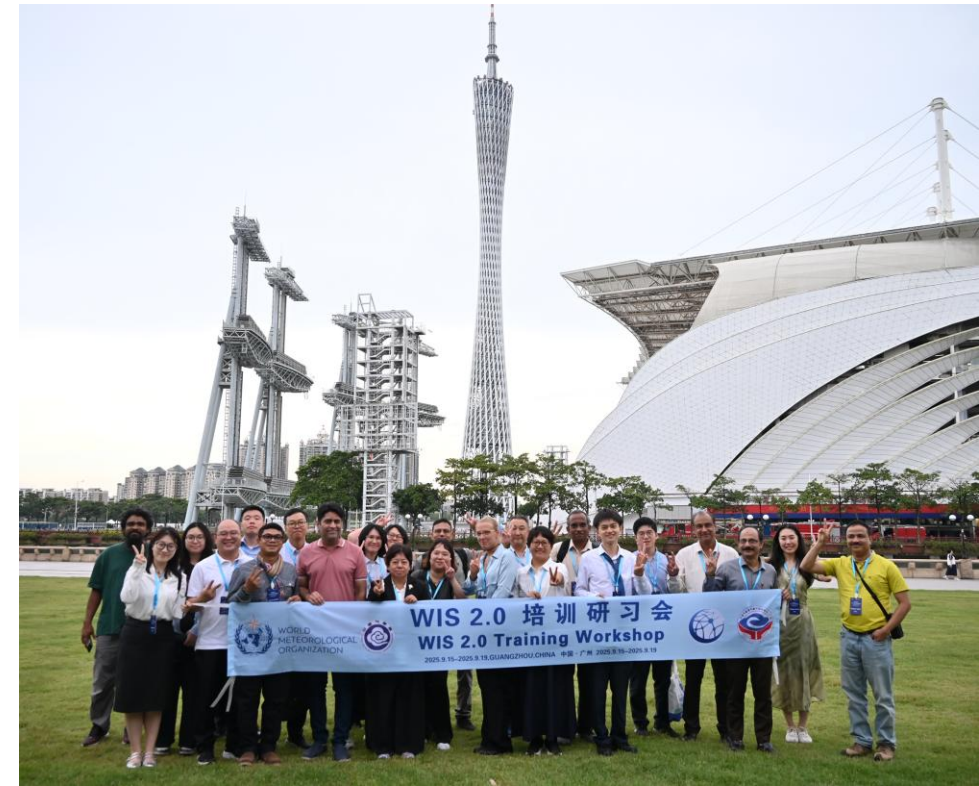
To report issues and/or request features in wis2box:

<https://github.com/wmo-im/wis2box/issues>

Find all WIS-related info at WMO community page :

<https://community.wmo.int/en/activity-areas/wis>

**Participant
Feedback Survey**



धन्यवाद

감사합니다

धन्यवाद

شُكْرًا

Баярлалаа

ຂອບໃຈ

Thank you

ကျေးဇူးတင်ပါတယ်

ขอบคุณ

谢谢

អរគុណ

Cảm ơn

شکریہ

धन्यवाद

ස්තූතියි



WORLD
METEOROLOGICAL
ORGANIZATION

