

# UN GLOBAL EARLY WARNING INITIATIVE FOR CLIMATE ADAPTATION: EWS4All

## *Public-Private Engagement – HMEI Perspective*

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ONE GLOBE  
ONE INDUSTRY  
ONE VOICE

# HMEI – Association of Hydromet Industry

- **not-for-profit organization** representing the interests of our 130+ members who are developers, manufacturers, and service providers
- **strive to advance** technologies, standards, operational uses and sustainability of equipment, software, systems, and services supporting the weather, water and climate value chain
- **share the goals** of development partners **to improve human resilience** and economic prosperity
- seek to provide **fit for purpose & sustainable solutions** - software, communication, analytical services and equipment to our customers – in an **ethical and collaborative way** that fosters transparency and openness

# HMEI – Association of Hydromet Industry

→ **share** our technical expertise<sup>1</sup> with WMO and other international organizations to ensure policies are informed by the **best science and practice**

→ **affirm and support** the central role of met services as the single **authoritative voice** for weather alerts - public health and safety

→ **support** all aspects of the global weather enterprise and seek to bolster the government and academic organizations at its core

→ **believe** private sector engagement is an effective strategy to improve the quality and sustainability of hydromet services and can help close budgetary, technical and human resource gaps in national public institutions

<sup>1</sup> Publications with WMO & World Bank - Generic Automatic Weather Station (AWS) Tender Specifications; Charting a Course for Sustainable Hydrological and Meteorological Observation Networks in Developing Countries

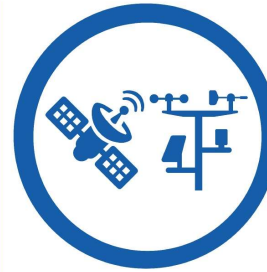
# People Centered Early Warning System



## Disaster risk knowledge

Systematically collect data and undertake risk assessments

- Are the hazards and the vulnerabilities well known by the communities?
- What are the patterns and trends in these factors?
- Are risk maps and data widely available?



## Detection, observations, monitoring, analysis and forecasting of hazards

Develop hazard monitoring and early warning services

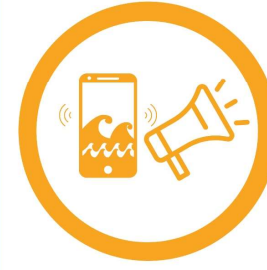
- Are the right parameters being monitored?
- Is there a sound scientific basis for making forecasts?
- Can accurate and timely warnings be generated?



## Preparedness and response capabilities

Build national and community response capabilities

- Are response plans up to date and tested?
- Are local capacities and knowledge made use of?
- Are people prepared and ready to react to warnings?



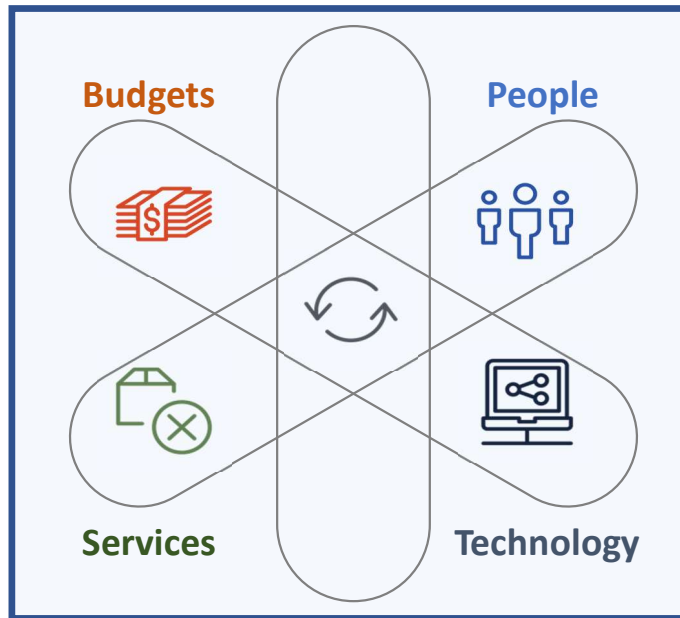
## Warning dissemination and communication

Communicate risk information and early warnings

- Do warnings reach all of those at risk?
- Are the risks and warnings understood?
- Is the warning information clear and usable?



# Challenges



## BUDGETS

- Limited government budgets
- Dependence on sporadic donor funding

## PEOPLE

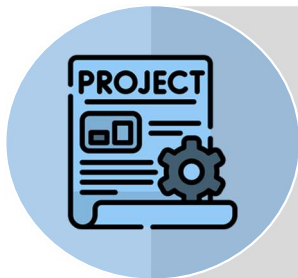
- Limited technical skills & resources
- Lack of professional, empowered staff

## SERVICES

- Limited ability to deliver services to decision makers & end-users
- Lack of credibility

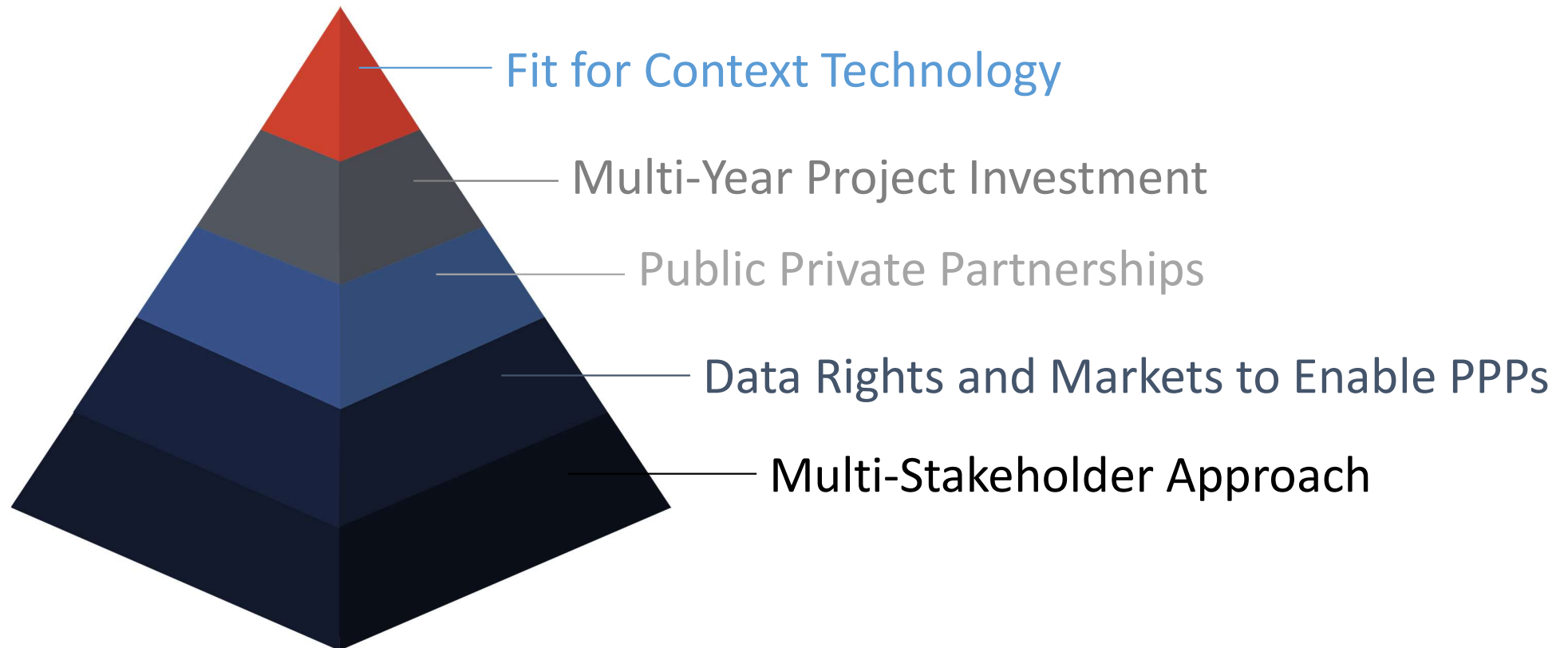
## TECHNOLOGY

- Technology mismatch with capacity
- Basic operational constraints

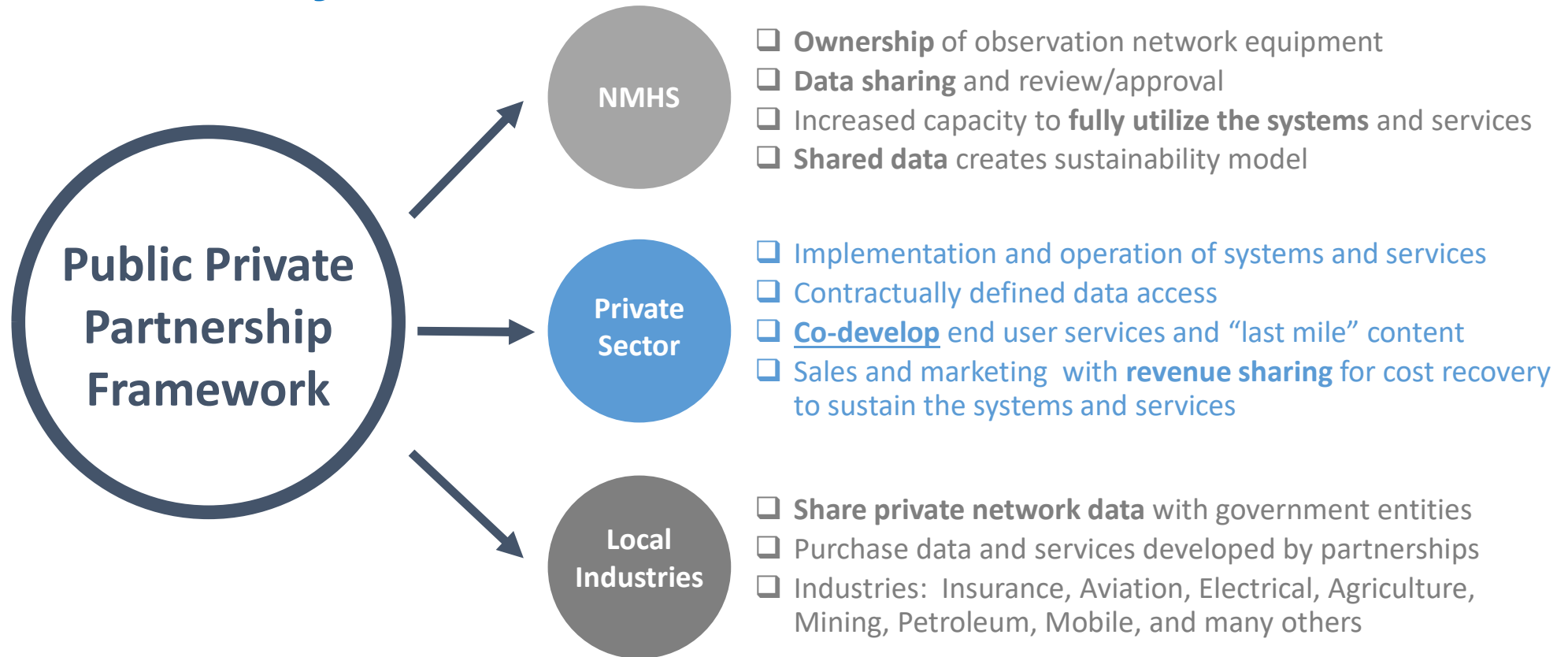


- Timelines too short
- CAPEX funding does not support operations
- Absorption capacity not always considered
- Procurement timelines & specifications lead to poorly specified systems that do not meet needs
- No Exit Strategy

# Conditions for Sustainable Development Programme



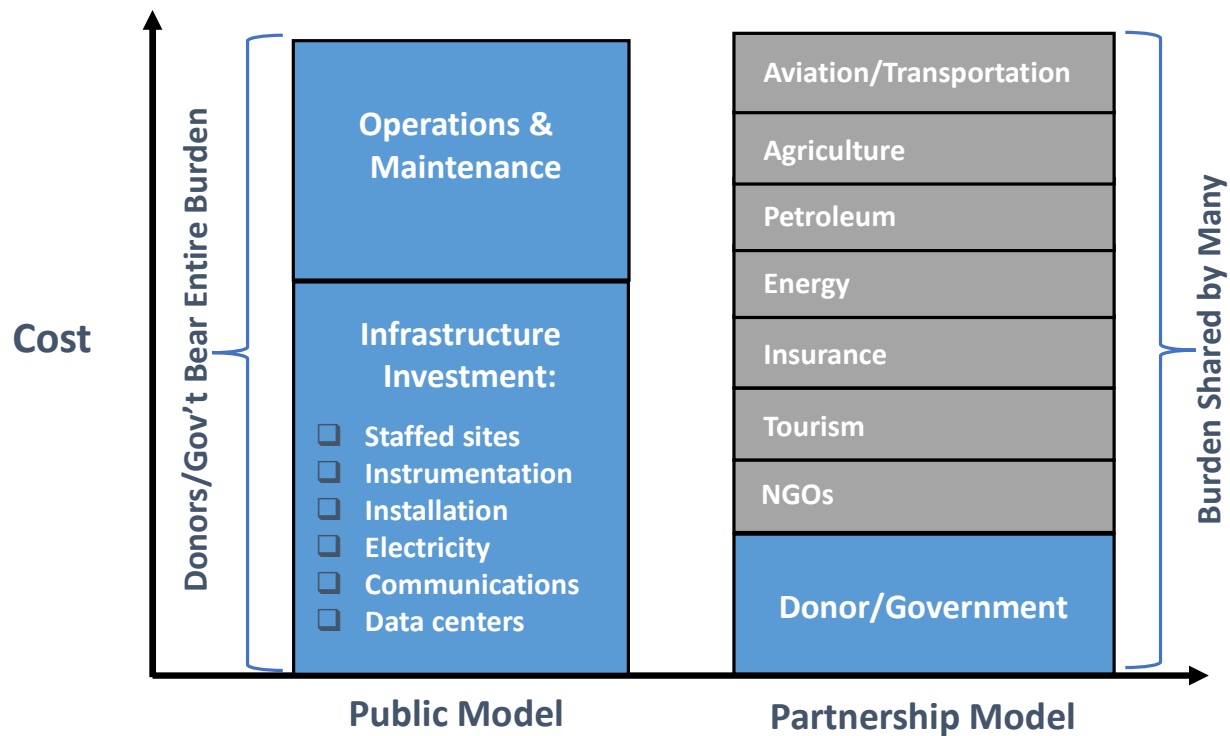
# PPP to enhance NMHS infrastructure, capacity & sustainability



Partnerships will need to consider sovereign authority, institutional mandates, etc

# PPP enables sustainable delivery of hydromet services

## Total Operating Cost of Weather Observing Networks





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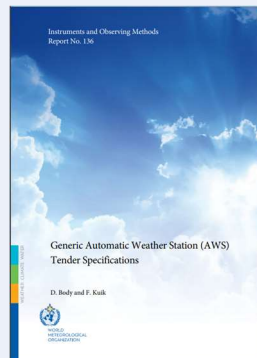
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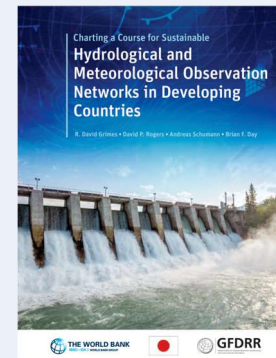
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## Publications



*Generic Automatic Weather Station (AWS) Tender Specifications*

[IOM-136](#)



*Charting a Course for Sustainable Hydrological and Meteorological Observation Networks in Developing Countries*

[Link to doc](#)



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