

# **Working Group (WG)-4: Integrated Geospatial Information Framework (IGIF)**

## WORKING GROUP-4: IGIF

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| S. No. | Action Points   |
|--------|---|
| 1.     | Short term, Medium term and Long term plans and strategy to raise awareness about the IGIF and its components at regional and country levels using different means. |
| 2.     | Sharing the experiences and best practices to assist in preparation of Country level Action plans.  |
| 3.     | To prepare IGIF component specific plans for understanding and implementation.  |
| 4.     | Training and Capacity building actions with special focus on the requirements of small countries.   |
| 5.     | Adoption and Monitoring Mechanisms.   |
| 6.     | Organization of workshops, webinars, meetings for deliberations and exchanging the ideas & experiences.   |

## WG 4 IGIF WORKPLAN 2024-2025



# OBJECTIVES

- The WG-IGIF aims to support, coordinate, plan and extend the necessary facilitation for developing the **awareness and capacity** through **collaboration & sharing** in the Asia & Pacific member countries **for implementation of the IGIF**.
  - The WG will work in **co-ordination with HLG-IGIF** in achieving the objectives. The HLG-IGIF is making efforts to provide expertise and advice to assist countries in their **implementation of the IGIF at the country level**; and mobilize needed resources for implementation and to maintain the momentum and evolving refinement of the IGIF with Member States and other key stakeholders.
  - The WG will make efforts to demonstrate **the societal value and impact of the IGIF**, and associated progress towards **enabling the achievement of the SDGs**.
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# FOCUS AREAS

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# HLG-IGIF Strategic Plan

## Six Strategic Goals



Improve  
Communication



Promote Data  
Governance,  
Availability and  
Accessibility



Strengthen  
Capacity  
Development



Mobilize  
Sustainable  
Funding



Encourage  
Collaboration,  
Exchange and  
Sharing



Oversee  
Improvement  
and Review

## Three Priority Strategic Goals



Goal 1: Improve Communication

Goal 3: Strengthen Capacity Development

Goal 4: Mobilize Sustainable Funding

**THREE  
WORKING  
GROUPS**

# UN Recommended Approach to Design and Develop Country-level Action Plan

## Planning and Preparing

- **Project Initiation and Pre-needs Assessment**
- **Stakeholder Identification and Analysis**
- **Plan of Action (to design and develop country-level Action Plan)**

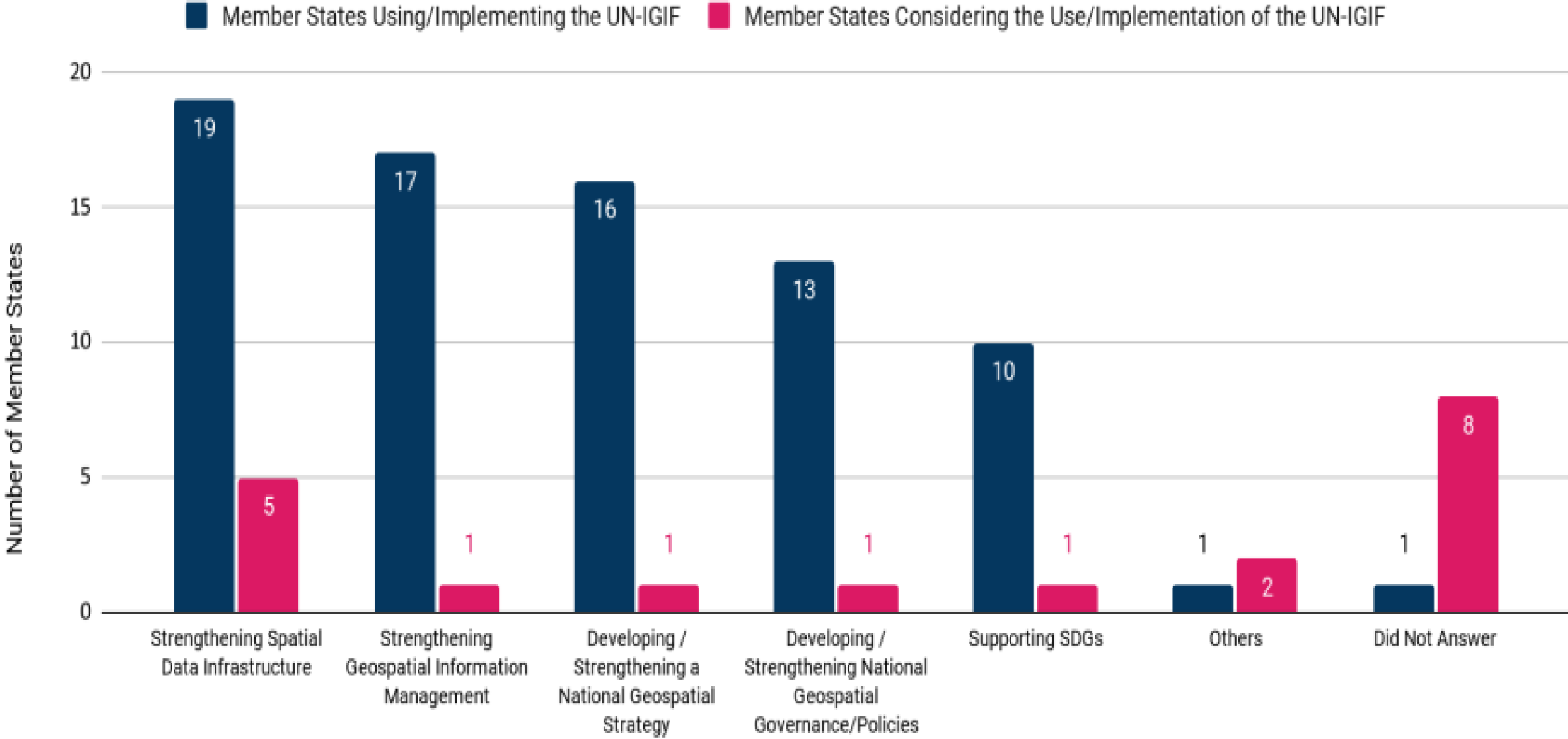
## Assessing and Analyzing

- **Current and Desired (or Future) Situation Assessment**
- **Baseline Survey**
- **Environmental Scanning and Analysis (for understanding national situation)**
- **Stakeholder Engagement Workshop**
- **Strategic Alignment (and Benefits) Exercise**
- **Vision, Mission and Goals**
- **Gap Analysis Matrix**
- **Needs Assessment and Gap Analysis Report**

## Designing and Developing

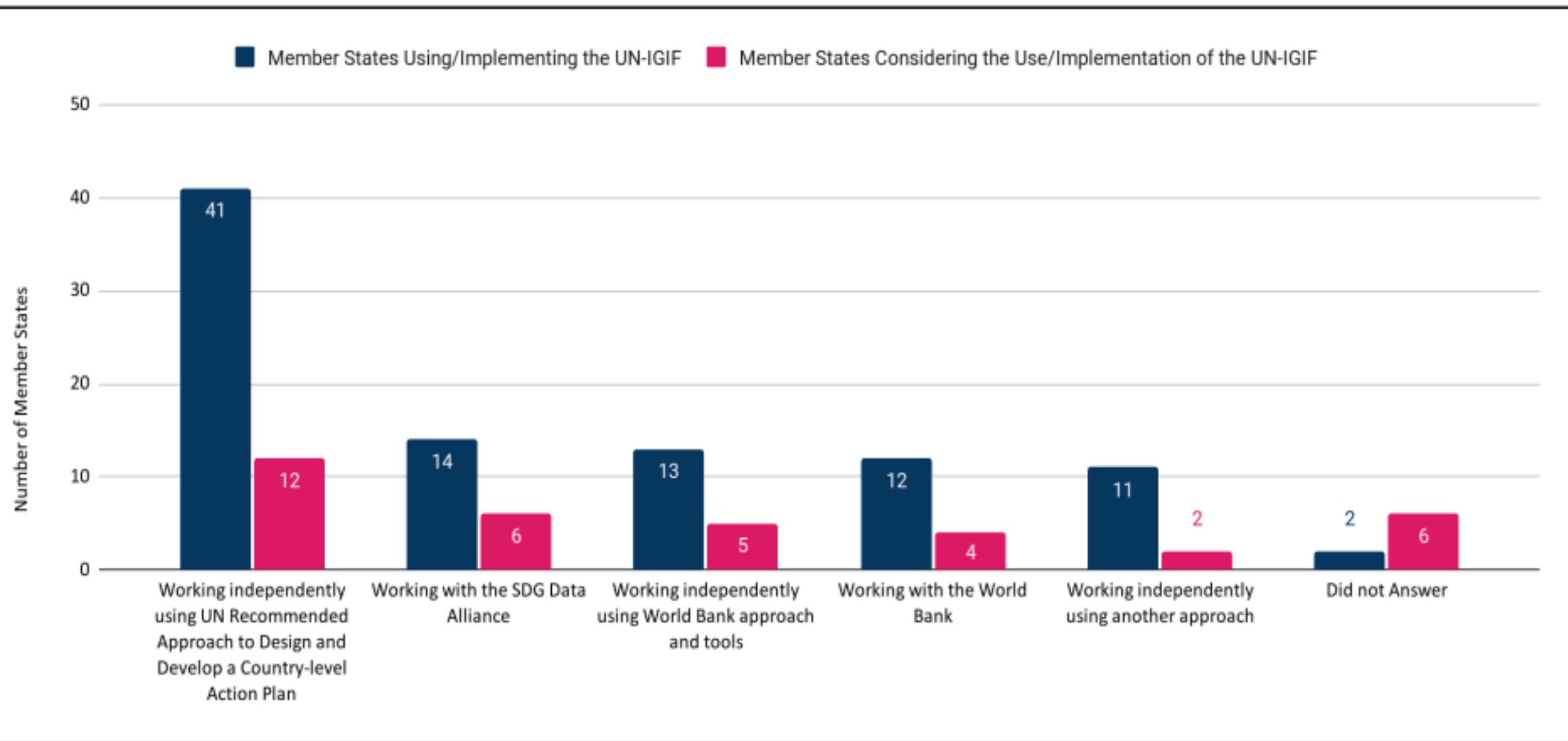
- **Strategic Pathway Actions and Sub Tasks**
- **Implementation Schedule**
- **Budget Estimations**
- **Success Indicators**
- **Country-level Action Plan (Template)**

**Figure 11. Uses of the UN-IGIF for Member States Not Developing a Country-level Action Plan**





**Figure 12. Type of Approach Utilized by Member States Using/Implementing or Considering the Use/Implementation of the UN-IGIF**





# ACTIVITIES

## WG-4: ACTIVITIES

- Regular Discussions and Consultations,
- Regional Seminars on IGIF,
- Contributions to other Regional Committees,
- Promotion of HLG-IGIF Initiatives in the region,
- Workshops, Discussions at Country level,





# UN-IGIF Workshop (Bali, November 8, 2023)



Australia



China



Fiji



India



Indonesia



Iran



Japan



Mongolia



Nepal



Philippines



Rep. of Korea



Russian Fed.



Singapore



Thailand



Timor Leste



Tonga



Uzbekistan



Vietnam

**18 Member Countries reported UN-IGIF  
Implementation**

# UNGGIM-AP WG ACTIVITIES ON UN-IGIF

## Working Group Meeting (November 9, 2023)



- Attended by 10 member countries, Representatives from Private Sector and Academic Network
- Formulate action plans for the working group in 2024-2025





# UNGGIM-AP WG ACTIVITIES ON UN-IGIF

## Expert Consultation with UN-GGIM Secretariat (November 10, 2023)



Aims to engage participating geospatial leaders and experts from Member States in Asia and the Pacific, to listen, discuss, and understand key elements of their national efforts towards geospatial information management arrangements, leadership, resources and capacities through their implementation of the United Nations Integrated Geospatial Information Framework (UN-IGIF)

# WG ACTIVITIES

## WG Online Meeting (June 28, 2024)



1

Providing update on UN-IGIF activities of Member States in Asia and the Pacific,

2

Organizing UN-IGIF activities for 2024 as per the work plan,

3

Strengthening collaboration with UN-GGIM Private Sector Network



# UN-IGIF Regional Seminar

## November 27, 2024

- ❖ Attended by 20+ member countries, Representatives from Private Sector and Academic Network
- ❖ IGIF Implementation Approach,
- ❖ Mobilization of Sustainable Funding,
- ❖ Sharing of the Experiences: Republic of Korea, India, Indonesia, Fiji, Singapore, UK, Academia;





# KEY TAKEAWAYS FROM REGIONAL SEMINAR ON IGIF, INDIA

## 1. Policy & Governance

Implement unified frameworks for data sharing and governance (e.g., China's "One Map Project" and India's Bhu-Aadhaar).  
Focus on leadership to align geospatial initiatives with national goals (e.g., UN-IGIF pathways).

## 2. Capacity Building

Invest in workforce training and stakeholder engagement.  
Promote interdisciplinary geospatial education (e.g., partnerships with academia).

## 3. Technological Integration

Digitization of land records, integration of AI tools, and adoption of 3D cadastral mapping.  
Develop national digital twins and geospatial databases for real-time decision-making.  
Secure long-term funding for geospatial programs through multi-stakeholder partnerships.

## 4. Public-Private Collaboration

Partner with governments for integrated frameworks (e.g., Jakarta's cadastral platform).  
Contribute scalable, fit-for-purpose technology solutions.  
Promote common interoperability standards between agencies and effort to update the silo based legacy systems.

## 5. Innovation

Promote the use of AI, IoT, and drone-based technologies for surveying and mapping.  
Support emerging tools for real-time monitoring and data analytics.  
Collaborate for the advancements in AI-driven platforms, digital twins, and 3D mapping for governance.

## 6. Standards & Compliance

Adopt international and regional geospatial standards for seamless integration across platforms.  
Provide innovative solutions to reduce the errors in legacy systems and variations in geospatial data accuracy hinder informed decision-making.  
Concentrate more effort towards reducing the discrepancies between analogue and digital surveys through having a common data platform the delves on an integrated service platform for use of common public, government and co-industry members.

## 7. Capacity and Capability Building

Offer training programs and industry-academia collaboration for technical expertise.  
Combatting shortage of skilled technical manpower for modern geospatial initiatives through participatory approach, take guest lectures, sponsor students for exchange programs etc.

# UNGGIM-AP WG ACTIVITIES ON UN-IGIF

Working Group Meeting (November 28, 2024)



Attended by 11 member countries, Representatives from Private Sector and Academic Network



Discussed the action plan for the working group in 2024-2025



Discussion to establish the **Virtual Technical Advisory Group**, composed of subject matter experts from interested Member States, as an interim measure to provide technical assistance to Small Island Developing States (SIDS).

## Action Points:

- ✓ To develop materials and resources for the IGIF Implementation.
- ✓ To set up a knowledge repository of IGIF.
- ✓ To connect with other regional groups in the endeavor to the extent suitable and feasible for us.
- ✓ To connect, share and update in association with HLG-IGIF working groups.
- ✓ To be more proactive and action oriented with objective to support the member countries.
- ✓ To focus on devising the strategy for actions to add value to the efforts being made by HLG.

# UN-IGIF ACTIVITIES IN ASIA PACIFIC

## Geospatial Information Management Stakeholders' Consultation on “Unifying Geospatial Efforts: A Collective Path toward Integrated Information Management” ,

The primary objectives of the consultation were:

- To solicit support for the proposed Philippine Integrated Geospatial Information Management (PIGIM) policy that calls for the adoption of an integrated approach to geospatial information management, the establishment of an inter-agency committee dedicated to championing GIM initiatives in the Philippines, and the adoption of a modern Philippine Geodetic Reference System.
- To raise awareness among key stakeholders regarding the UN-IGIF and its strategic importance.
- WB resources presented IGIF Implementation cases, Baseline assessment carried out for Philippines, Proposed actions to address identified gaps,



**The National Mapping and Resource Information Authority (NAMRIA)**  
**23 May 2025, Makati City, Philippines**

# OTHER ACTIVITIES

- ❑ Regular participation in the Online meetings and discussions in the **UN-IGIF REGIONAL WORKING LEADS GROUP MEETINGS.**
- ❑ Regular participation in the Online meetings and discussions in the **HLG UN-IGIF Working Group on**

**Goal #3: Strengthen Capacity Development Working Group**



## WG-4: IGIF (Proposed Activities)

1. Working Group Meetings (online) with members.
2. Online sessions/Discussions/Workshops for new updates and activities for Peer-to-Peer learning. *(To share experiences, Practices, developing awareness and education about HLG-IGIF actions and customization required for Asia and Pacific region.)*
3. To organize Training and Capacity building workshops (Online/Offline).

# THANK YOU

