UN-IGIF IMPLEMENTATION IN ASIA & THE PACIFIC

Tandang Yuliadi Dwi Putra

Geospatial Information Agency of Indonesia / Vice Chair of UN-GGIM-AP IGIF WG

First UN-GGIM Interregional Webinar on the UN-IGIF

Wednesday, 11 June 2025

UN-GGIM-AP Members


Afghanistan


American Samoa


Armenia


Australia


Azerbaijan


Bangladesh


Bhutan


Brunei Darussalam


Cambodia


China


Cook Islands (the)


Democratic People's Republic of Korea (the)


Fiji


French Polynesia


Guam


Hong Kong, China


India


Indonesia


Islamic Republic of Iran


Japan


Kazakhstan


Kiribati


Kyrgyzstan


Lao People's Democratic Republic (the)


Macao, China


Malaysia


Maldives


Marshall Islands (the)


Micronesia (Federated States of)


Mongolia


Myanmar


Nauru


Nepal


New Caledonia


New Zealand


Niue


Northern Mariana Islands (the)


Pakistan


Palau


Papua New Guinea


Philippines (the)


Republic of Korea (the)


Russian Federation (the)


Samoa


Singapore


Solomon Islands


Sri Lanka


Tajikistan


Thailand


Timor-Leste


Tonga


Turkmenistan


Tuvalu


Uzbekistan


Vanuatu


Viet Nam

EXECUTIVE BOARD 2022 - 2025

Mr. Antonius Bambang Wijanarto
President
Indonesia

Mr. Hitesh Kumar S Makwana
Vice-President
India

Mr. Yo IIDA
Vice-President
Japan

Mr. Victor Khoo
Vice-President
Singapore

Ms. Maree Wilson
Australia

Ms. Wenli Feng
China

Ms. Meizyanne Hicks
Fiji

Mr. Seyed Eskandar Seydayei
Islamic Republic of Iran

Mr. Alexey Trifonov
Russian Federation (the)

Sr Hazri bin Hassan
Malaysia

Mr. Enkhmanlai Anand
Mongolia

Mr. Prakash Joshi
Nepal

Mr. Nam Kyung-woong
Republic of Korea (the)

WORKING GROUPS AND CHAIRS

WG 1 GEODETIC REFERENCE FRAME

Mr. Basara Miyahara
Japan
Director, Planning Division, Geodetic Department
Geospatial Information Authority of Japan
gsi-japan-ggim-1@gxb.mlit.go.jp

WG 2 CADASTRE AND LAND MANAGEMENT

Mr. Victor Khoo
Singapore
Director
Singapore Land Authority
victor_khoo@sla.gov.sg

WG 3 INTEGRATING GEOSPATIAL INFORMATION AND STATISTICS

Mr. Seyed Eskandar Seydayei
Islamic Republic of Iran
Director General
National Cartographic Center
seydayeieskandar@gmail.com

WG 4 INTEGRATED GEOSPATIAL INFORMATION FRAMEWORK

Mr. Shri Pankaj Mishra
India
Deputy Surveyor General
Survey of India
pankaj.mishra.soi@gov.in

OBJECTIVES OF WG 4 – IGIF

- The WG 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 the demonstrate **the societal value and impact of the IGIF**, and associated progress towards **enabling the achievement of the SDGs**.

UN-GGIM-AP IGIF ACTIVITIES

UN-IGIF Workshop (Bali, 8 November 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

UN-GGIM-AP IGIF ACTIVITIES

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

Aims to engage 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 UN-IGIF

UN-GGIM-AP IGIF ACTIVITIES

UN-IGIF Regional Seminar

New Delhi, 27 November 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 UN-IGIF REGIONAL SEMINAR 2024

1. Policy & Governance	Implement unified frameworks for data sharing and governance (e.g., Indonesia's One Map Policy, 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. Communication & Engagement	Formulate best practices of UN-IGIF in thematic sectors and disseminate to policy makers. Regular Coordination Meeting to increase geospatial awareness and stakeholder engagement.
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.

UN-GGIM-AP IGIF ACTIVITIES

Working Group Meeting (28 November 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)

UN-GGIM-AP IGIF ACTIVITIES

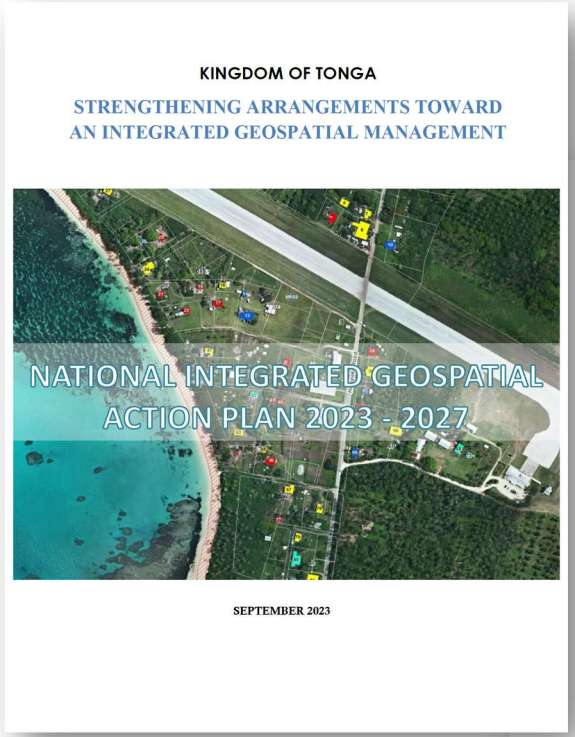
Philippines Geospatial Information Management Stakeholders' Consultation on "Unifying Geospatial Efforts: A Collective Path toward Integrated Information Management" ,

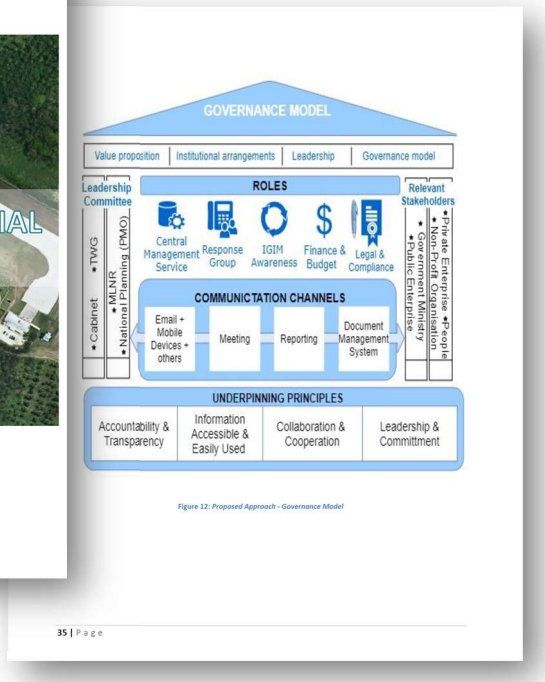
The National Mapping and Resource Information Authority (NAMRIA)
23 May 2025, Makati City, Philippines

The primary objectives of the consultation were:

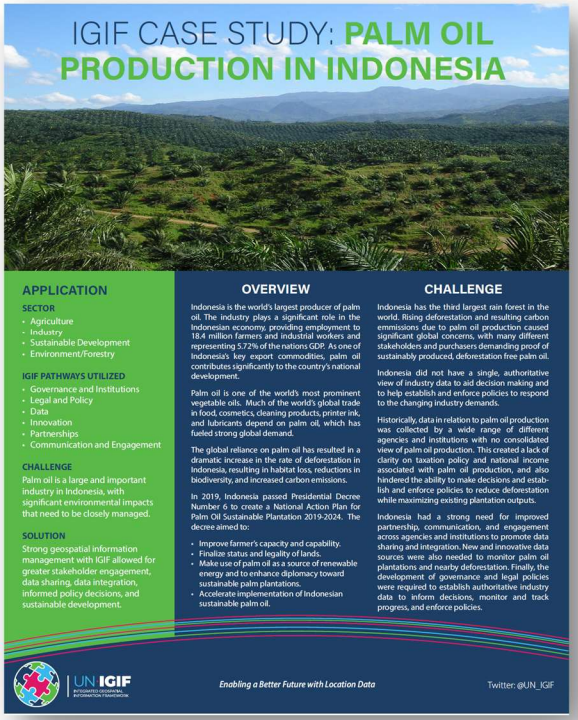
- To solicit support for the proposed Philippine Integrated Geospatial Information Management (PIGIM) policy that calls for the adoption of an integrated approach to geospatial information management, the establishment of an inter-agency committee dedicated to championing GIM initiatives in the Philippines, 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,

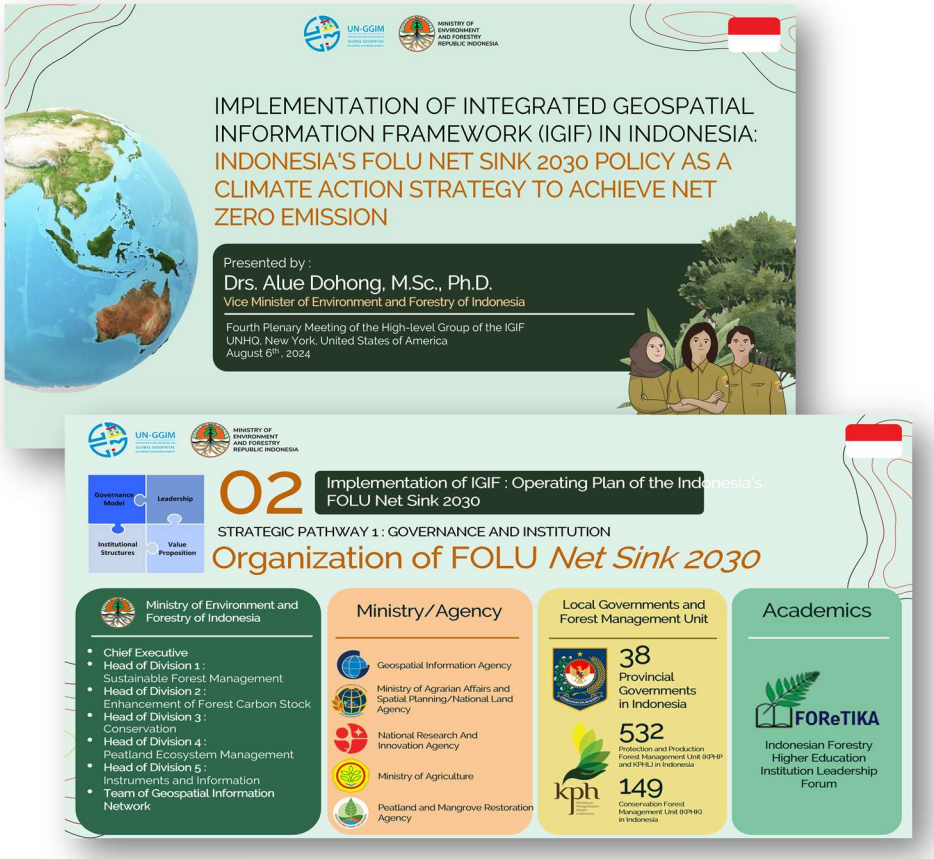
UN-GGIM-AP IGIF BEST PRACTICES





UN-GGIM-AP IGIF BEST PRACTICES






UN-GGIM Asia-Pacific Regional
Conference on
Geo-enabling Data Economy
for

THANK YOU