



UN-GGIM-AP

REGIONAL COMMITTEE OF
UNITED NATIONS
GLOBAL GEOSPATIAL
INFORMATION MANAGEMENT
FOR ASIA & THE PACIFIC

Executive Report (2023-2024)

29 November 2024

New Delhi, India



EXECUTIVE BOARD 2022 - 2025



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Bambang Wijanarto
President
Indonesia



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Makwana
Vice-President
India



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Sr Hazri bin Hassan
Malaysia



Mr. Enkhmanlai
Anand
Mongolia



Mr. Prakash Joshi
Nepal



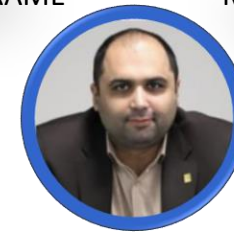
Mr. Nam Kyung-
woong
Republic of Korea (the)



WG 1 GEODETIC
REFERENCE FRAME



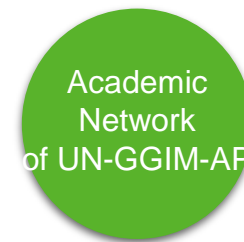
WG 2 CADASTRE AND LAND
MANAGEMENT



WG 3 INTEGRATING GEOSPATIAL
INFORMATION AND STATISTICS



WG 4 IGIF



Academic
Network
of UN-GGIM-AP



Private
Network
of UN-GGIM-AP

WORKING GROUPS CHAIRS AND NETWORKS



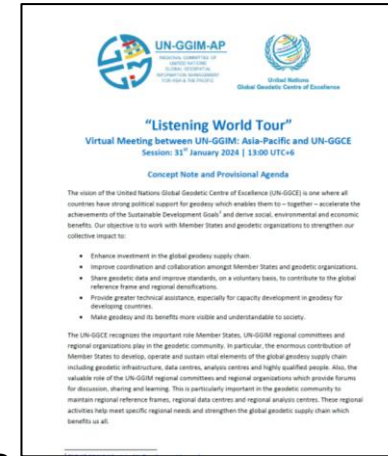
UN-GGIM-AP

Regional Committee of United Nations
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www.un-ggim-ap.org/

Key Activities (2023 -2024)

- ❑ Organization of the 12th Plenary Meeting of the UN-GGIM-AP in Bali, Indonesia from 6 to 10 Nov 2023.
- ❑ Organization of AP Regional meeting at the 14th session of UN-GGIM in New York, 5 August 2024.
- ❑ Attendance in the 14th Session of UN-GGIM in New York.
- ❑ Organization of the Executive Board Meetings of the UN-GGIM-AP in Sydney, Australia, 6 May 2024.
- ❑ President/Vice President of the UN-GGIM-AP attended Plenary meetings of Regional Committees in America, Arab States, and Europe.
- ❑ Participation in the High-level Seminar on the Integration of Geospatial and Statistical Information held from 28th-30th November 2023 in Bangkok.
- ❑ Assistance to the United Nations Global Geodetic Centre of Excellence (UN-GGCE) about the upcoming Listening Tour meeting in AP region on 31 Jan 2024.



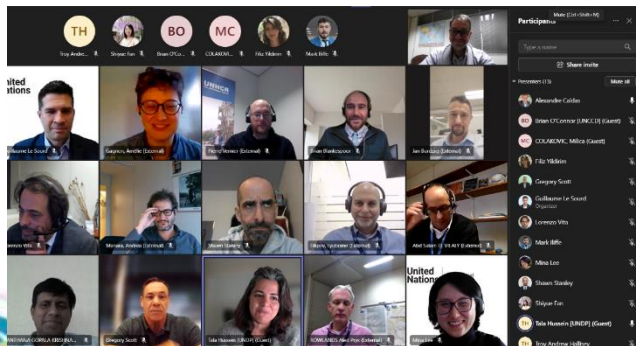
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Key Activities (2023 -2024)

- ❑ Coordination with the United Nations Global Geospatial Knowledge and Innovation Centre (UNGKIC) to support regional capabilities development for IGIF and technical support to pilot countries.
- ❑ Organization of the Workshop on Enhancing the Management of Geospatial Data Sharing for Disaster Risk Reduction and Sustainable Development in UNGKIC, , Deqing, China 21-23 October 2024.
- ❑ Continuous maintenance and updating of the UN-GGIM-AP website. Cloud migration of the UN-GGIM-AP website.
- ❑ Participation in monthly virtual of the UN Geospatial Network (UN-GGIM)
- ❑ Geospatial information related important information and free available online course sharing with all UN-GGIM-AP members (capacity building and developing).



Free Online Course Sharing: Global Statistical and Geospatial Framework (GSGF) ...
Shiyue Fan
To: 00_uddh1@roosestrz; 44662310@ggim.org; Abbas Rajabifard [UNIMELB EDU]; 2/15/2024
Cc: Keran Wang; Chul Min Lee; ESCAP-UN-GGIM-AP

Dear all members of the UN-GGIM-AP,

I hope this email finds you.

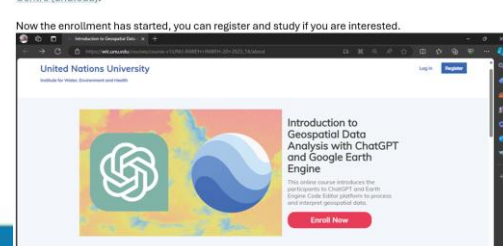
We are pleased to share a free online course-The Global Statistical and Geospatial Framework (GSGF) e-Learning course. If you are interested, kindly click this link <https://ggim.org/e-LearningTool/#/> to start your learning tour (shown as follows).



FREE ONLINE COURSE SHARING: Introduction to Geospatial Data Analysis with Cha...
Shiyue Fan
To: 00_uddh1@roosestrz; 44662310@ggim.org; Abbas Rajabifard [UNIMELB EDU]; 12/19/2023
Cc: abbrillantes@namria.gov.ph; abdul.aziz@big.go.id; 294 others

Dear all UN-GGIM-AP members,

We would like to share the below free online course on "Introduction to Geospatial Data Analysis with ChatGPT and Google Earth Engine" organized by United Nations University and United Nations Economic and Social Commission for Asia and the Pacific from 18 to 31 Dec, 2023, with the link <https://ggim.org/e-LearningTool/#/> to start your learning tour (shown as follows).



A Survey from UN-GGIM-AP

Dear Members, on behalf of the President of UN-GGIM-AP, Mr. Antonius Bambang Wijanarto, we are pleased to invite your esteemed country to participate in the 13th UN-GGIM-AP Plenary Meeting, which will be held in New Delhi, India, on 26-29 November 2024. Additionally, we encourage all members to actively join our four Working Groups (for more details, you can visit the UN-GGIM-AP website <https://un-ggim-ap.org/content/home-page>) and engage in their respective topics to further regional geospatial development. To help us better understand your thoughts, we kindly ask you to complete the following survey regarding your plans and interests. Your feedback is valuable and will help us improve our services and better support member countries. Please complete and submit the survey by 28 October 2024. Thank you very much for your cooperation and valuable input!

Sincerely,
UN-GGIM-AP Secretariat

* 必答题

1. Will your country attend the 13th UN-GGIM-AP Plenary Meeting on 26-29 November 2024 in New Delhi, India? *

☒ Yes
☐ No

2. Is your country interested in joining one of our four Working Groups? *

☒ Yes
☐ No

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Key Activities (2023 -2024)

Inter-Regional Committees' Activities:

- ❑ **Coordinating Collaborative Reporting for Agenda #4:
Contribution of regional committees to the global geospatial information agenda**
- ❑ **Connecting Regional Committees' websites**
- ❑ **Hosting Hybrid Meeting in Bali, Indonesia**
- ❑ **Hosting a meeting in New York and approving the joint project proposed by UNGEGN**



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Planning, coordinating and convening annual plenary meetings of UNGGIM-AP

Activities	Time	Remarks
Twelfth Plenary Meeting (hosted by Indonesia) together with a regional seminar/workshop on the United Nations Integrated Geospatial Information Framework	Early November 2023, Bali, Indonesia	9 November 2023 in conj. with Asia Pacific Geospatial Forum 6-10 November 2023
Thirteenth Plenary Meeting (hosted by India) together with a regional seminar/workshop on the Global Geodetic Reference Frame for Sustainable Development	November 2024	29 November 2024, India
Fourteenth Plenary Meeting (hosted by Singapore) together with a regional seminar/workshop Effective Land Administration and Management	November 2025	Korea, exact time to be confirmed



Planning, coordinating, and convening annual meetings of the Executive Board

Activities	Time	Remarks
2023 Executive Board Meeting	March 13, 2023	Hosted by Singapore
2024 Executive Board Meeting (hosted by ESCAP) together with a regional seminar/workshop	May 2024	Hosted by Australia
2025 Executive Board Meeting	June 2025	OPEN FOR NOMINATION



Feedback on Survey

A Survey from UN-GGIM-AP

Dear Members, on behalf of the President of UN-GGIM-AP, Mr. Antonius Bambang Wijanarto, we are pleased to invite your esteemed country to participate in the **13th UN-GGIM-AP Plenary Meeting**, which will be held in **New Delhi, India, on 26 - 29 November 2024**. Additionally, we encourage all members to actively join our **four Working Groups** (for more details, you can visit the UN-GGIM-AP website <https://un-ggim-ap.org/content/home-page>) and engage in their respective topics to further regional geospatial development. To help us better understand your thoughts, we kindly ask you to complete the following survey regarding your plans and interests. Your feedback is valuable and will help us improve our services and better support member countries. Please complete and submit the survey by **28 October 2024**. Thank you very much for your cooperation and valuable input!

Sincerely,

UN-GGIM-AP Secretariat

* 必答题

1. Will your country attend the 13th UN-GGIM-AP Plenary Meeting on 26-29 November 2024 in New Delhi, India? *

☒ Yes

☐ No

2. Is your country interested in joining one of our four Working Groups? *

☒ Yes

☐ No

- **Period: 07-28 October**
- **Results:**
- **10 Countries + 1 Organization responded: Tonga, Iran, Kyrgyzstan, Australia, Indonesia, Timor-Leste, Viet Nam, Mongolia, Republic of Korea, Japan; International Federation of Surveyors, FIG.**



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Feedback on Survey

❑ 1. Will your country attend the 13th UN-GGIM-AP Plenary Meeting ?

10 out of 10 countries will attend, in the case of the financial budget allowed; the FIG cannot attend due to financial constraints this time.

❑ 2. Is your country interested in joining one of our four Working Groups?

4 replied: No	Reason	Joined already (Iran, Indonesia, Australia)
		Limited human resources (Mongolia)
7 replied: Yes	Interested Working Group	WG 1(Tonga, Timor-Leste, Viet Nam, Japan)
		WG2 (FIG)
		WG3 (Kyrgyzstan)
		WG4 (Korea)



❑ **3. Any specific needs or challenges related to the Integrated Geospatial Information Framework (IGIF) or Global Statistical Geospatial Framework (GSGF) ?**

Tonga	<p>Implementation</p> <p>1. Geospatial Data Integration and Accessibility Challenge: The integration of various geospatial datasets from multiple agencies remains a significant challenge. Many of our data sources exist in silos, making it difficult to combine them for comprehensive analysis. Need: Assistance with implementing a national geospatial data infrastructure that promotes data sharing across government agencies and the private sector, in line with IGIF principles.</p> <p>2. Capacity Building and Technical Expertise Challenge: A lack of expertise in advanced geospatial technologies, such as AI-driven geospatial analytics and machine learning, limits the full potential of geospatial data use. Need: Training programs to build technical capacity within government agencies and research institutions, with a focus on implementing GSGF guidelines for integrating statistical and geospatial data.</p> <p>3. Data Standards and Interoperability Challenge: The absence of standardized geospatial data formats and interoperability protocols hampers the effective use and sharing of data. Need: Support in developing and adopting global standards for geospatial data, ensuring consistency with IGIF and GSGF standards for data sharing and use.</p> <p>4. Sustainable Development and Environmental Monitoring Challenge: The lack of multi-modal geospatial data hampers efforts to monitor environmental changes, support climate action, and achieve Sustainable Development Goals (SDGs). Need: Assistance in leveraging geospatial technologies to support environmental monitoring, disaster management, and climate resilience efforts, in alignment with the IGIF framework.</p> <p>5. Governance and Policy Development Challenge: Geospatial data governance is underdeveloped, with no clear policies for managing, sharing, and securing data. Need: Guidance in developing a robust geospatial policy framework, based on IGIF recommendations, to streamline governance and improve the management of geospatial information across various sectors.</p>
Kyrgyzstan	
Timor-Leste	<p>Currently, Timor-Leste is building the first, second and third order national geodesy points I II III and Coors station for topographic survey and cadastral survey purposes, but these reference points have not been registered in the ITRF due to limited human and financial resources. Through UN-GGIM-AP, we can work together on the above project.</p>
Viet Nam	We want to train human resources to serve the construction and development of NSDI.
Korea	Share the best practices
Australia	For IGIF, Australia has specific needs or challenges related to policy development, legal frameworks and financial sustainability for geospatial programs at the national level in particular.

❑ 4. What do you think should be the priority areas for UN-GGIM-AP in 2025-2026?

Active cooperation of all members

Narrow the geospatial digital divide within UNGGIM AP

Encourage members to share their data

Geospatial data hub for Disaster Risk Reduction and Sustainable Development

Provide best practices of UN-IGIF implementation in Asia Pacific countries

Providing regional examples of UN-IGIF use cases to improve both awareness and application of the process. Ideally this would be at the national, regional/state and community levels.

Re-arrangement of the organizational structure should be considered carefully. Geodesy should continue to be one of the priority themes in the Asia-Pacific region.

1. Cadastral and Land Management. 2. Geodetic Reference Frame.

--Implementation of UNGGIM Framework for Effective Land Administration (FELA) for SDGs achievement.

--Integration of Land Use Planning (LUP) and Land Administration (LA) data and processes.

--Marine cadastre and national boundaries.

o Policy development

o Legal frameworks

o Geospatial technology adoption

Provide technical support to countries without geospatial data infrastructure to promote the development and use of geospatial information.

1. Strengthening Geospatial Data Infrastructure and Interoperability

o Promote the adoption of the Integrated Geospatial Information Framework (IGIF) to help countries build a solid national geospatial infrastructure.

o Enhance interoperability between geospatial platforms by fostering international data standards, such as Open Geospatial Consortium (OGC) standards.

o Facilitate cross-border data sharing and collaboration, particularly for disaster response and environmental monitoring.

2. Leveraging Geospatial Data for Climate Action and Disaster Resilience

o Use geospatial tools for climate resilience planning, environmental monitoring, and disaster risk reduction, with an emphasis on climate-vulnerable countries.

o Strengthen the implementation of disaster risk management systems by integrating satellite data, multi-modal Earth observation, and predictive analytics.

o Collaborate with international bodies to improve access to geospatial data for early warning systems, especially in high-risk regions.

3. Capacity Building and Knowledge Sharing

o Expand training programs on advanced geospatial technologies, including artificial intelligence (AI), machine learning, and big data analytics.

o Encourage regional cooperation and knowledge-sharing platforms to promote the exchange of best practices, including participation in global initiatives like the Global Statistical Geospatial Framework (GSGF).

o Support initiatives that foster collaboration between academia, government, and private sector to improve geospatial research and development (R&D).

4. Geospatial Data for Sustainable Development Goals (SDGs)

o Assist countries in using geospatial data to track progress on key SDGs such as poverty reduction, clean water, and sustainable cities.

o Encourage the integration of geospatial data in national statistical systems to provide accurate and location-based insights for SDG monitoring.

o Promote multi-stakeholder partnerships to ensure access to quality geospatial data for development planning.

❑ 5. Is your country planning to host any event that can contribute to the objectives of UN-GGIM-AP in 2025-2026?

Country	Event
Iran	We express our interest in hosting the next course , and if we agree, the details will be reviewed.
Timor-Leste	On November though Ministry of Planning and Territory (MPO) will launch establishment of 8 Coors Station it will contribute to GNSS observation on Cadastral and topographic survey.
Australia	Australia is hosting Locate24 and the International Federation of Surveyors (FIG) Working Week in Brisbane, Queensland, Australia during 6-10 April, 2025.



☐ 6. Do you have any comments or suggestions regarding UN-GGIM-AP's work or the upcoming plenary meeting?

Comments	Country
Need to track the progress of UNGGIM AP through the activities of each working group and ensure activities are implemented and supported at the national level	Tonga
Check the reasons of the lack of cooperation and participation of members in working groups	Iran
Engaging the Private Sector and Academia Comment: The private sector and academia are essential partners in advancing geospatial technologies, providing cutting-edge solutions, and fostering innovation. Suggestion: The plenary could explore new ways to deepen collaboration with private sector companies and academic institutions . Involvement from the private sector in the form of public-private partnerships could help bridge the funding and technological gaps, especially for developing countries. Meanwhile, academia can play a key role in research and development (R&D), and cooperation with universities should be promoted to advance geospatial science and innovation.	Kyrgyzstan
FIG Commission 7 had its annual meeting in Kuching, Sarawak, Malaysia. The event was promoted to UNGGIM-AP members. It was a shame to get limited attendance in that regard. FELA is a WG of FIG C7 and FIG has the network to activate the use and implementation of FELA .	FIG
I suggest having upcoming plenary meeting in Pacific countries	Indonesia
Hopefully by participating in the forum UN-GGIM-AP, we can gain experience from other members regarding participation in the APRGP2024 project which was implemented on Sunday, 14-19 September 2024 last month.	Timor-Leste
I find the program of the Organizing Committee very suitable.	Viet Nam
Increase opportunities for sharing best practices through the participation of member countries.	Mongolia
If the budget is secured, we will host it.	Korea
Re-arrangement of the organisational structure should be considered carefully.	Japan
A review of UN-GGIM-AP strategic priorities and then giving direction to nested working groups could be considered. This would assist the working groups in understanding strategic priorities and aligning their 12-24 month forward workplans accordingly.	Australia
Invite more academy and experts to join the meeting to realize our mission	Australia

Regional Challenges/Issues

Every year since COVID-19, the number of member states actively contribute to or participate in the UN-GGIM-AP activities decreases to less than 50% (from 56).



Lost contacts

Secretariat is tracing back the contact persons for each country.



Finding donor for the activities

Have got sponsorship from DESA, UN-GGKIC, Geospatial World and India to support some developing countries.



Identify National Priorities

Conduct regional survey regarding member's national priorities and their expectation



Re-arrange the organisational structure

Learning from America with vocals and Europe with co-chairs.



Next steps

- ☐ Re-arrange the organisational structure.
- ☐ Review of UN-GGIM-AP strategic priorities.
- ☐ Find some ways to activate cooperation of all members.
- ☐ Facilitate members in implementing the IGIF.



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THANK YOU!

