



Current Priorities and Objectives of UN-GGKIC in Advancing UN-IGIF Implementation

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Outline

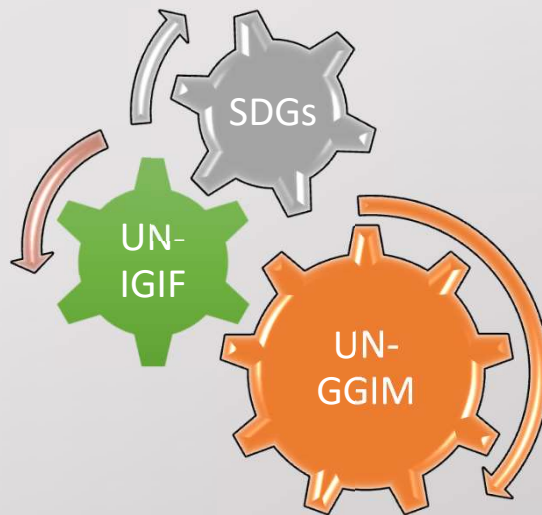
- I. Introduction to UN-GGKIC
- II. HLG-IGIF Priorities Review
- III. Capacity Development, Implementing UN-IGIF
- IV. Leadership Development
- V. GeoNOW 2025
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- VII. Conclusion



I. UN-GGKIC

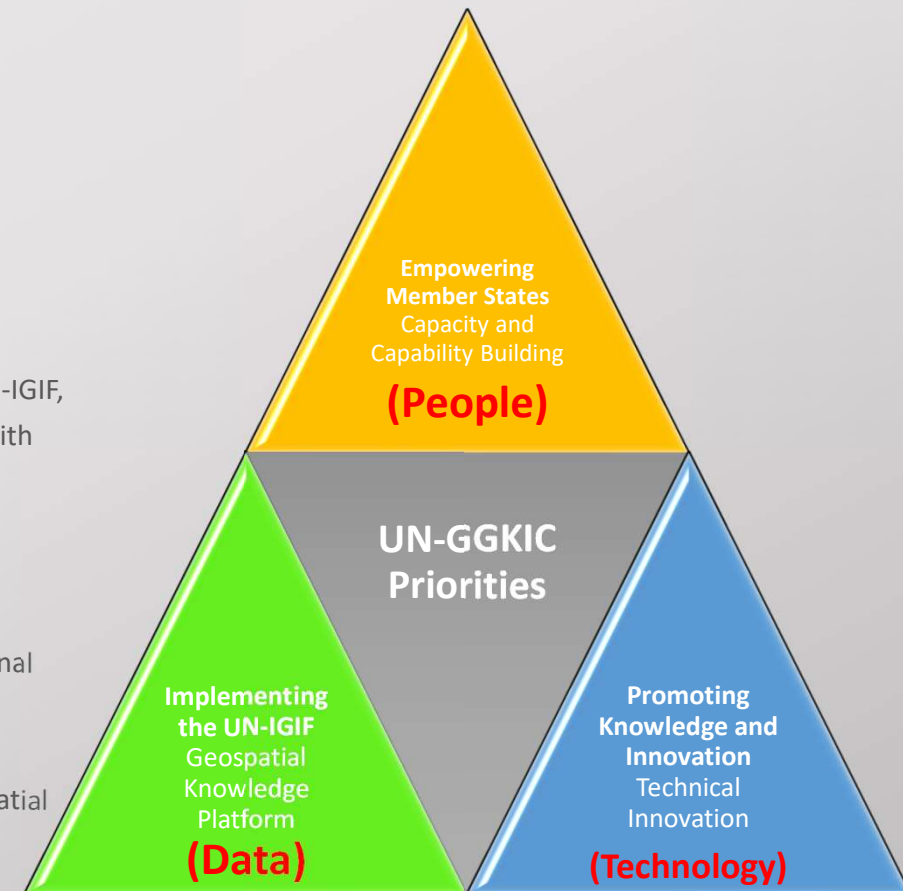
Established by an agreement between the United Nations and the Government of the People's Republic of China on 20 May 2022

Develop and promote the required **knowledge, innovation, and leadership** to strengthen the adoption of geospatial information to support the **implementation of national development priorities and the SDGs**, leveraging the **United Nations Integrated Geospatial Information Framework (UNIGIF)**

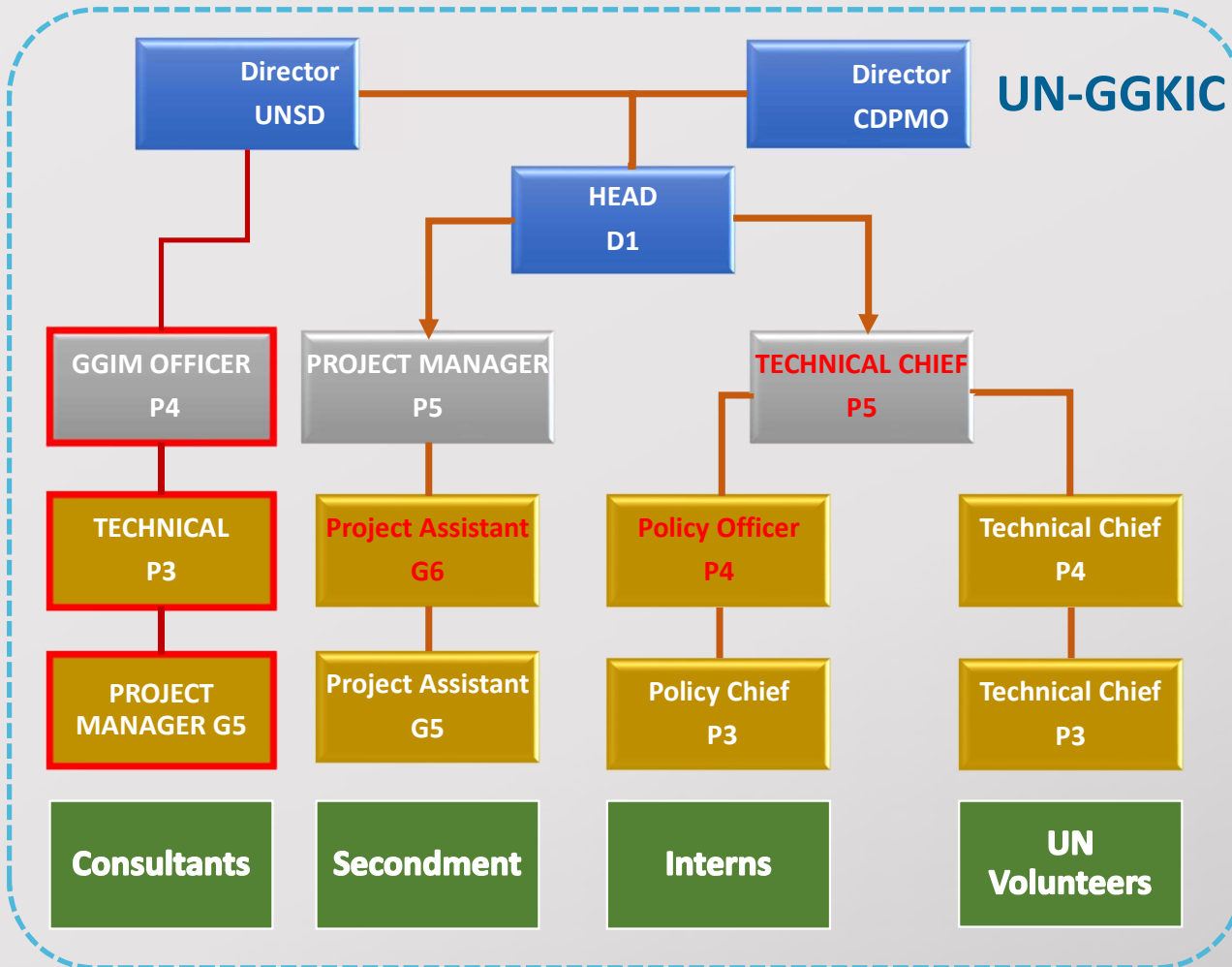


UN-GGKIC and Strategic Goals

1. **Developing leadership and collaboration:** Support countries in advancing, integrating, managing, and using geospatial information resources, leveraging the UN-IGIF for social, economic, and environmental benefits.
2. **Addressing National Priorities:** Accelerate the achievement of national to global development goals by developing strategies, policies, and national geospatial information capacity in countries through the implementation and knowledge-sharing of the UN-IGIF.
3. **Progressing Geospatial Knowledge:** Enhance the country-level implementation of the UN-IGIF, including resources and stakeholder relationships, for efficient and effective collaboration with partners, and to maximize impacts for countries.
4. **Enabling Innovation and Technological Advancement:** Deploy country-led and integrated data hubs to assist countries in developing geospatial resources and innovative capacities for sub-national, national, regional, and global monitoring and reporting on national priorities and the SDGs within reliable, secure, and scalable platforms.
5. **Enhancing Communication and Awareness:** Promote the value and usefulness of geospatial information and share geospatial knowledge and innovation for the benefit of society, the economy, and the environment.



Man-Power and Work Force



UN-GGCE

Global Geodetic
Centre of
Excellence

Bonn
Germany

UN-GGECE

Global Geospatial
Ecosystem Centre
of Excellence

Riyadh
Saudi Arabia



What is UN-IGIF?



A **comprehensive guide** that enables countries to develop, strengthen, and promote efficient use of geospatial information for policy formulation, decision-making, and innovation.

VISION

The efficient use of geospatial information by all countries to **effectively measure, monitor and achieve** sustainable social, economic and environmental development – leaving no one behind.

MISSION

To promote and support **innovation** and provide the **leadership, coordination and standards** necessary to deliver integrated geospatial information that can be leveraged to find sustainable solutions for social, economic and environmental development

Developed under UN-GGIM, collaboration between UNSD & World Bank

2018 – adopted UN-IGIF

2020 – finalized
Implementation Guide

Implementation – continue
through High-Level Group

7 Underlying Principles

Fundamental values guiding implementation

8 Strategic Goals

High-level objectives for geo-information management

9 Strategic Pathways

Specific areas of focus for implementation



DIGITAL
& SPACE
MINISTRY

Enhancing Geospatial Information Management arrangements Accelerating the Implementation of the SDGs

Sub-regional Workshop on UN-IGIF for the Central Asia, South Asia and Neighboring Countries

II. HLG-IGIF Priorities Review

HLG Priority	Merged UN-IGIF Activities List	GGKIC - Objective	GGKIC - IA / Planned activity	GGKIC Responsible
1	<p>Awareness and Promotion</p> <p>- Develop and execute communications to promote key UN-IGIF activities and work products—such as translated documents, the Sustainable Funding Guide, the UN-IGIF Global Survey, the Decision Maker Brochure, case studies, webinars, and events—through LinkedIn, social media channels, email communications, and the UN-GGIM websites. This should include quarterly informational brochures and targeted updates to support countries in implementing and understanding the UN-IGIF, ensuring widespread awareness and engagement.</p>	OB-5: Enhancing communication and awareness by promoting the value and usefulness of geospatial information and share geospatial knowledge and innovation for the benefit of society, the economy, and the environment.	<p>IA 5.3 Strategic communication messaging, materials and resources on integrated geospatial information for government agencies, universities and high schools</p> <p>Planned activity: List and discuss with the International Advisory Committee recommended attendance to global and regional events organized by stakeholders to improve the visibility and raise awareness of the significance of integrated geospatial information management, knowledge and innovations for 2026 (4Q)</p>	R
2	<p>UN-IGIF Communications Materials</p> <p>- Develop, collect, and publish collaborative UN-IGIF and communications materials, in partnership with the UN-GGKIC, thematic and functional groups, UN agencies, and organizations like OGC, ISO, and IHO, and Member States, to raise awareness and understanding of the UN-IGIF as a tool for national development. These materials—such as decision-maker brochures, sector-specific one-pagers, and case studies—should emphasize the value of the UN-IGIF both within and beyond the geospatial domain and support thematic initiatives, side events, and regional committee engagements.</p>	OB-5: Enhancing communication and awareness by promoting the value and usefulness of geospatial information and share geospatial knowledge and innovation for the benefit of society, the economy, and the environment.	<p>Planned Activity 2025: Implement the communication strategy (3Q – 4Q)</p> <p>Planned Activity 2026: Implement the communication plan (1Q – 4Q) including the development of a knowledge repository with good practices, use cases, videos, resources and databases on successful implementation of enhancing geospatial information management</p>	R
3	<p>UN-IGIF Communication Toolkit</p> <p>Develop and publish a UN-IGIF Communications Toolkit to support Member States in developing their own communication plans.</p>			R
4	<p>Communications Strategy</p> <p>- Develop, update, and implement a UN-IGIF Communication Strategy, aligned with UN Centers and HLG Working Groups that targets key stakeholder groups, decision makers and implementers.</p>	OB-5: Enhancing communication and awareness by promoting the value and usefulness of geospatial information and share geospatial knowledge and innovation for the benefit of society, the economy, and the environment.	Planned Activity: Develop a communication strategy and plan with materials, resources, social media and web-presence, and modality to manage and disseminate the knowledge for Member States to enhance the significance of integrated geospatial information at the country-level (2Q – 3Q)	R

HLG Priority	Merged UN-IGIF Activities List	GGKIC - Objective	GGKIC - IA / Planned activity	GGKIC Responsible
10	<h2>Geospatial Leadership Training</h2> <p>- Develop and implement geospatial leadership training programs for policymakers in developing countries, in collaboration with UN-GGIM regional committees and partners (ESCAP, ECA, ESCWA, ECLAC), to support the creation and execution of Country-level Action Plans. Training will cover senior leadership, management, change management, financial management, data quality, and project management.</p>		<p>Convene expert consultation and meeting to design and scope leadership development courses for regional committees (1Q)</p> <ul style="list-style-type: none"> <li>Convene the 2025 meeting of the Centre’s International Advisory Committee together with one-day expert consultation on leadership development activities for regional committees (2Q) <li>Contribute and facilitate the attendance up to 10 geospatial information management leaders and senior executives from Member States to key events <p>Support and contribute to the eleventh plenary meeting of UN-GGIM: Africa including a joint workshop and/or regional leadership development dialogue and exchange (4Q)</p> <ul style="list-style-type: none"> <li>Support and contribute to the twelfth plenary meeting of UN-GGIM: Americas including a joint workshop and/or regional leadership development dialogue and exchange (4Q) <ul style="list-style-type: none"> <li>Support and contribute to the fourteenth plenary meeting of UN-GGIM-AP including a joint workshop or expert meeting and/or regional leadership development dialogue and exchange (4Q) <p>Planned Activity 2026: Convene a leadership activity/course for the benefits of regional committees</p>	R
11	<h2>Country-level Action Plan Development</h2> <p>- Develop and implement a comprehensive process for Country-level Action Plan development to support Member States in achieving their priorities. This activity includes engaging with communities, working groups, and thematic groups; conducting workshops with briefing and follow-up feedback sessions to guide tasks; creating tailored support materials to aid implementation; and establishing a Virtual Technical Advisory Group of experts to provide region-specific technical assistance.</p>	<p>Objective 2: Addressing National Priorities by accelerating the achievement of national to global development goals by developing strategies, policies, and national geospatial information capacity in Member States through the implementation and knowledge-sharing of the UN-IGIF</p>	<p>IA 2.2 Support the development of national geospatial information management strategies by respective Member States in at least 10 Member States that support their national development priorities by the end of the fifth year (2023 – 2027)</p> <p>Planned Activity: Convene consultations with Member States and regional committees (virtual and in-person) and hire consultants to conceptualize and scope regional or sub-regional activities to support Member States identify and articulate their operational requirements to strengthen national geospatial information management leveraging the UN-IGIF (1Q)</p> <p>Planned Activity: Assemble a Resource Team, possibly drawing from the UNSD and SDG Data Alliance resource team, to provide technical support to Member States to prepare and develop their country-level Action Plan leveraging the UN-IGIF</p>	R
12	<h2>Capacity Building Workshops</h2> <p>Organize Expert Group Meetings and capacity-building workshops, focusing on the needs of developing countries, to support UN-IGIF implementation and promote awareness and adoption at the subregional level.</p>	<p>- Obj 3 Progressing Geospatial Knowledge by enhancing the country-level implementation of the UN-IGIF, including resources and stakeholder relationships, for efficient and effective collaboration with partners, and to maximize impacts for Member States.</p>	<p>IA 3.2 Regular webinars on Geospatial knowledge and innovations for stakeholders, totaling twenty-four webinars by 2030</p> <p>Planned Activity 25: Deliver the 2025 quarterly webinar series to enhance sharing of geospatial knowledge, innovation, experiences and good</p>	R

HLG Priority	Merged UN-IGIF Activities List	GGKIC - Objective	GGKIC - IA / Planned activity	GGKIC Responsible
15	UN-IGIF Training for Trainers - Conduct Training for Trainers programs to build a pool of experts capable of delivering effective UN-IGIF training, fostering an exchange of experiences and supporting knowledge sharing across implementing bodies.	Obj 5: Enhancing communication and awareness by promoting the value and usefulness of geospatial information and share geospatial knowledge and innovation for the benefit of society, the economy, and the environment.	Obj 5 Planned 25 activity: Maintain and improve the web-presence and including functionalities to “manage the knowledge” (1Q – 4Q) Obj 4 Planned 25 activity: Coordinate the design and delivery of guidance, procedures and training, in coordination with HLG-IGIF and partners including the SDG Data Alliance, to enable Member States to develop and deploy integrated ‘system of systems’ data/information hubs for measuring progress and reporting against national, regional and global development agendas (1Q-4Q) IA3.1 Coordinated, comprehensive and curated content on peer-to-peer sharing of geospatial knowledge, innovation, experiences and good practices in the activities of the Centre	R
16	Knowledge Hub - Create a Knowledge hub and work towards: - An integrated geospatial dashboard application for SDG indicators, from data creation to presenting outcome embracing dynamic and agile environment. - Compile best practices from UN-IGIF activities and develop the integrated e-learning modules.	Obj 5: Enhancing communication and awareness by promoting the value and usefulness of geospatial information and share geospatial knowledge and innovation for the benefit of society, the economy, and the environment.	Peer-to-peer sharing and exchange	R
18	Technical Assistance - Facilitate global access to resources, funding, data, and computing platforms to support assistance projects. This includes the creation of a pilot focused on application-oriented activities as decision making support tools in achieving national and sub-national UN-IGIF and work towards capacity-building initiatives, and training programs to support national mapping activities, geodetic infrastructure, and integration of geospatial and statistical information.	Objective 2: Addressing National Priorities by accelerating the achievement of national to global development goals by developing strategies, policies, and national geospatial information capacity in Member States through the implementation and knowledge-sharing of the UN-IGIF	Planned Activity 2025: Provide technical support to six3 Member States, together with the resource team, in their ‘country-led, country owned’ approach to develop their UN-IGIF Country-level Action Plan (3Q-4Q) Planned Activity 2026: Continue the technical support to six Member States in their country-led approach to develop their UN-IGIF Country-level Action Plan (1Q-4Q) (the 2025 group) Planned Activity 2026: Technical support to six4 more Member States in their country-led approach to develop their UN-IGIF Country-level Action Plan (3Q-4Q)	R
20	Country-level Action Plan Implementation - Support the SDG Data Alliance in guiding and assisting Member States, particularly Small Island Developing States, in implementing UN-IGIF Country-level Action Plans, while maintaining momentum through a dedicated resource team and a pool of international experts for ongoing bilateral support.			R

HLG Priority	Merged UN-IGIF Activities List	GGKIC - Objective	GGKIC - IA / Planned activity	GGKIC Responsible
25	Self-Assessment - Encourage member states to self assess on aligning geospatial activities within UN-IGIF and reflect as main implementation indicator.			R
26	UN-IGIF Surveys -Develop and implement annual collaborative surveys to assess the status, progress, and gaps in the global and regional implementation of the UN-IGIF, aligning findings with the priorities of the Regional Committees. Analyze the survey results to provide insights into the evolving use, progress, and changes in UN-IGIF implementation among Member States, supporting data-driven strategies for advancing its adoption.		Obj 3 Planned Activity 25: Evaluate global progress and implementation of Country-level Action plan including through global survey conducted in cooperation with regional committees	R
6	UN-GGKIC Work Plan - UN GGKIC develop and implement their work plan, and reports progress to the IAC and also to HLG as accountable body for IGIF before reporting to the CoE.	N/A	N/A	R

New Priority Activities

1. UN-IGIF
Communications
and Awareness
Program

2. Comprehensive
Geospatial
Capacity
Development
Program

3. Country-level
Action Plan
Process
Development

4. Strategically
Enhance UN-IGIF
Documents

5. Knowledge
Hub

6. Governance
and Legal
Framework

7. Sustainable
Funding

8. UN-IGIF
Integrated
Framework for
Assessment and
Progress
Monitoring



Strategy: Moving Forward Together



Current

26 Priority Activities
3 HLG-IGIF Work Groups



Future

8 Priority Activities
?



**Responsibilities shift to align
with the new priority activities**

UN-GGKIC – 14
HLG-IGIF – 7
Secretariat – 4
UN-GGIM: Americas - 1



III. Capacity Development, Implementing UN-IGIF

- Conduct **five expert consultation** and sub-regional workshops in 2025
- Contribute at four GGIM-regional plenary meetings
- Conduct three in-person geospatial trainings/seminars
- Conduct Geo-Empower Webinar Series
 - **Marine and coastal ecosystems**
 - **Cultural heritage preservation**



Activities in 2025

Strategic Goals	1Q	2Q	3Q	4Q
Developing Leadership and Collaboration	<ul style="list-style-type: none"> 5th Plenary Meeting HLG-IGIF, Jeddah, KSA Sub-Regional (Southern AFR) IGIF WS, Mozambique 	Leadership & Global Forum, Melbourne, Australia	<ul style="list-style-type: none"> IAC (in-person) Meeting, HQNY 15th Session UUN-GGIM & 6th HLG-IGIF Plenary GGIM-AP Plenary, Korea 	<ul style="list-style-type: none"> GGIM AFR Plenary & Sub-Regional (West AFR) IGIF WS, Ghana GGIM America Plenary & Sub-Regional (Caribbean) IGIF WS, Panama GeoNOW Week (Leadership)
Addressing National Priorities	Sub-Regional (Southern AFR) IGIF WS, Mozambique		Sub-Regional (Central Asia) IGIF WS, Kazakhstan	<ul style="list-style-type: none"> Sub-Regional (West AFR) IGIF WS, Ghana Sub-Regional (Caribbean) IGIF WS, Panama
Progressing Geospatial Knowledge		<ul style="list-style-type: none"> Geospatial Reading Week, Deqing Intl WS on GIS Tech and Application, Deqing 	<ul style="list-style-type: none"> GGIM-AP Plenary, Korea Geo-Empower Webinar 	<ul style="list-style-type: none"> GeoNOW Week Geo-Empower Webinar
Enabling Innovation and Technology	UN-GGKIC Think Tanks, Deqing	Spatiotemporal Intelligence in GIS & Land Governance Seminar, Deqing	Geo-Empower Webinar	<ul style="list-style-type: none"> GeoNOW Week Geo-Empower Webinar UAV Training
Enhancing Communication and Awareness		<ul style="list-style-type: none"> FIG Conference, Australia IAC for UN-GGKIC 2025, Online 	<ul style="list-style-type: none"> UN HLPF 2025, New York, USA Launch UN-IGIF Assessment Survey 	<ul style="list-style-type: none"> GeoNOW Week Geo-Empower Webinar Train for Trainers



2025 Key Activities and Future Plan

1. HLG-IGIF (5th Plenary), Expanded Bureau of the Committee of Experts, Jeddah, KSA, February 2025
2. Southern Africa UN-IGIF Workshop, Mozambique, March 2025
3. Leadership Training & Geospatial Forum, Melbourne, April 2025
4. FIG Conference 2025, Brisbane, April 2025
5. IAC meeting, May & August 2025
6. UN-GGIM AP EB Meeting & Seminar on EO for Land Survey, Deqing, June 2025
7. Smart Geoportal for UN-IGIF implementation, June 2025
8. UN-GGIM (15th Session) , HLG-IGIF (6th Plenary), New York, August 2025
9. UN-GGIM Sub-Regional WS on IGIF, Kazakhstan, September 2025
10. Geo-Empower Webinar Series: Marine Ecosystem, September 2025
11. GeoNOW 2025, Deqing, October 2025
12. UN-GGIM AFR, Sub-Regional (west) WS, Ghana, November 2025
13. UN-GGIM Americas IGIF WS, December 2025

Fifth plenary meeting of the High-level Group of the Integrated Geospatial Information Framework and the meeting of the Bureau and its Expanded Bureau of the Committee of Experts
Jeddah, Saudi Arabia
2-4 February 2025



UN-GGIM Regional Plenary Meetings

- UN-GGIM: AP EB Meeting, 3-4 June 2025, Deqing, China
- UN-GGIM: AP Plenary Meeting, 24-26 September, Seoul, ROK
- UN-GGIM: Americas Meeting, 3-4 November 2025, Santiago, Chile
- UN-GGIM: AFR Plenary Meeting, November 2025, Accra, Ghana



Geo-Empower Webinar Series

1. Geospatial Application in Marine and Coastal Ecosystem Management
 - Mississippi State University, U.S.
 - King Mongkut's University of Technology, Thailand
 - Second Institute of Oceanography, Hangzhou, China
2. Cutting-edge geospatial tools and application in Cultural and Heritage Preservation
 - International Centre on Space Technologies for Natural and Cultural Heritage – UNESCO (HIST-XAB), Northwest University, Xi'an
3. Others



IV. Scoping Geospatial Leadership Development



Bridging the Gaps: Translating Knowledge Into Action

- **Geospatial Knowledge in Practice**

- *Application*: Real-world use of AI, GNSS, UAVs, remote sensing for productivity gains (e.g., agriculture, disaster risk reduction)
- *Translation*: **Aligning with frameworks like NSDI and UN-IGIF to shape national strategies**
- *Global Models*: Saudi Arabia's approach - academies, innovation hubs, and business centers

- **Ongoing Barriers**

- *Data Quality*: Need for high-quality, open, project-specific geospatial data
- *Responsible Technology Use*: AI/ML integration with practical impact, not buzzwords
- *Privacy and Ethics*: Balancing regulation (e.g., Australia's Privacy Act 2023) with tech evolution



Key Challenges & Learning Outcomes

• Top Challenges

- Lack of **strategic leadership & governance**
- **Low awareness** of emerging tech (GeoAI, Digital Twins)
- Underuse in sustainability & SDG efforts
- Weak analytical & decision-making capacity
- Ethics & cybersecurity gaps
- Widening **skills gap** & poor project execution

• Essential Questions

- How can leaders **integrate innovation, policy & governance?**
- What skills & tools are needed for future-ready leadership?
- How do we **link geospatial solutions to real-world** outcomes?

• Learning Focus

- Lead with strategy, ethics & innovation
- Apply **geospatial insights** to SDGs & problem-solving
- **Upskill** for tech fluency, project impact & secure data governance

• Final Thought

- *Geospatial knowledge is no longer niche - it's essential. Leadership in this realm requires vision, action, and the courage to innovate beyond boundaries.*



V. GeoNOW 2025

(20-24 October)

Geospatial I.D.E.A.S. Benefiting Our World

Objectives

- Showcase **real-world UN-IGIF** applications
- Promote high-level applications of geospatial information across industries
- to drive geospatial innovation and accelerate progress toward the UN Sustainable Development Goals (SDGs)

Programs

1. Ministerial Summit
2. Geospatial Leadership – Young Professional
3. Moganshan Talks – Green and Blue Planet
4. Moganshan Talks – Caring for Vulnerable Places
5. Moganshan Talks – Geospatial Knowledge Benefiting People
6. Moganshan Talks – Future Sustainable Development



VI. Knowledge Hub

UN Hub for Smart
Earth Observation

UN Geospatial
Dashboard for
Agriculture and
Food Security

Geo-AI Data Portal

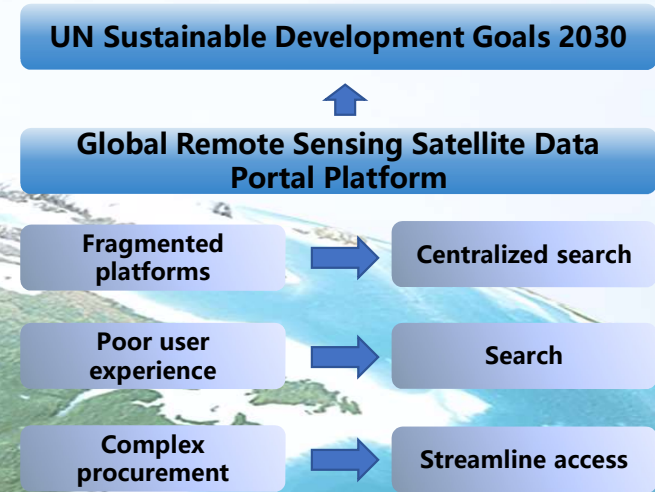
UN Global
Geospatial
Dashboard for SDG
Indicators

UN Geospatial Knowledge Hub Platform



Global Remote Sensing Data Portal Platform

- The exponential surge in demand for Earth observation data is surpassing the capacity of fragmented, non-standardized, predominantly private satellite systems - hindering developing countries in their efforts to address climate change, manage disasters, and achieve the Sustainable Development Goals (SDGs).
- Establish a neutral, inclusive, and intuitive global portal to connect end-users with diverse remote sensing service providers, streamlining access and usability.

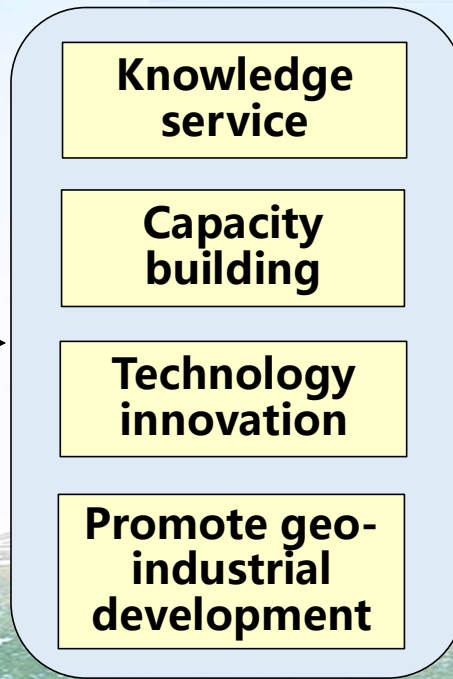


Global geospatial information products for SDGs



UN-GGKIC

- Cooperative network
- International resource integration
- Regional application promotion
- Interdisciplinary integration



MGS-Lab

- Global public products
- Advanced technologies
- Technical promotion ability
- Training base

**Global Sustainable Development Research Institute,
Moganshan Geospatial Information Laboratory**

The Sky's The Limit?

LOW-ALTITUDE ECONOMY



<https://www.chinadaily.com.cn/a/202412/31/WS67733574a310f1265a1d5bbb.html>



https://www.chinadaily.com.cn/a/202411/25/WS6743d282a310f1265a1cf576_2.html



United Nations – Global Geospatial Knowledge and Innovation Centre

THANK YOU
I THANK YOU



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