

Regional Workshop on the United Nations Integrated Geospatial Information Framework (UN-IGIF)



Mandate, objectives and current priorities toward the implementation of UN-IGIF

Accra, 17-21 November 2025

Sandro Semedo
Geospatial Information Officer

United Nations Global Geospatial Knowledge and Innovation Centre



Workshop on United Nations Integrated Geospatial Information Framework (UN-IGIF) ahead of the Eleventh Session of the United Nations Regional Committee on Global Geospatial Information Management for the Africa (UN-GGIM Africa)



Geospatial IDEAS Benefiting Our World !

Centre's overarching goal is to work towards the ambitions of implementation of the United Nations Integrated Geospatial Information Framework (UN-IGIF) set by Member States, to develop capacity, promote and support the required innovation, leadership, coordination, and standards to develop, strengthen, integrate and deliver national geospatial information policy, data, systems, tools, services and capabilities into their national government development policies, strategies and arrangements.

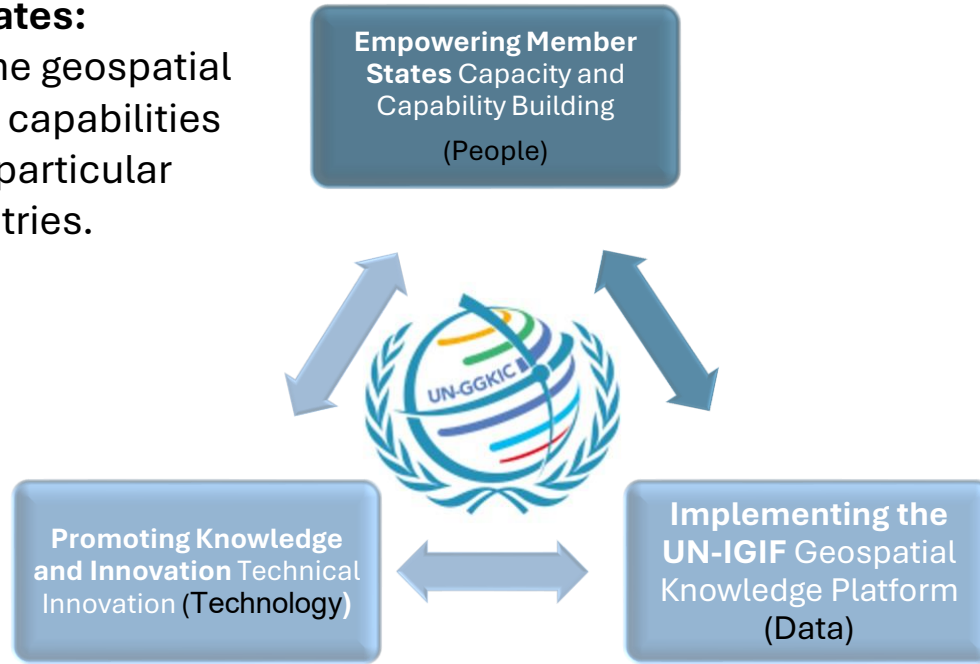


Workshop on United Nations Integrated Geospatial Information Framework (UN-IGIF) ahead of the Eleventh Session of the United Nations Regional Committee on Global Geospatial Information Management for the Africa (UN-GGIM Africa)

UNGGKIC Strategic Priorities

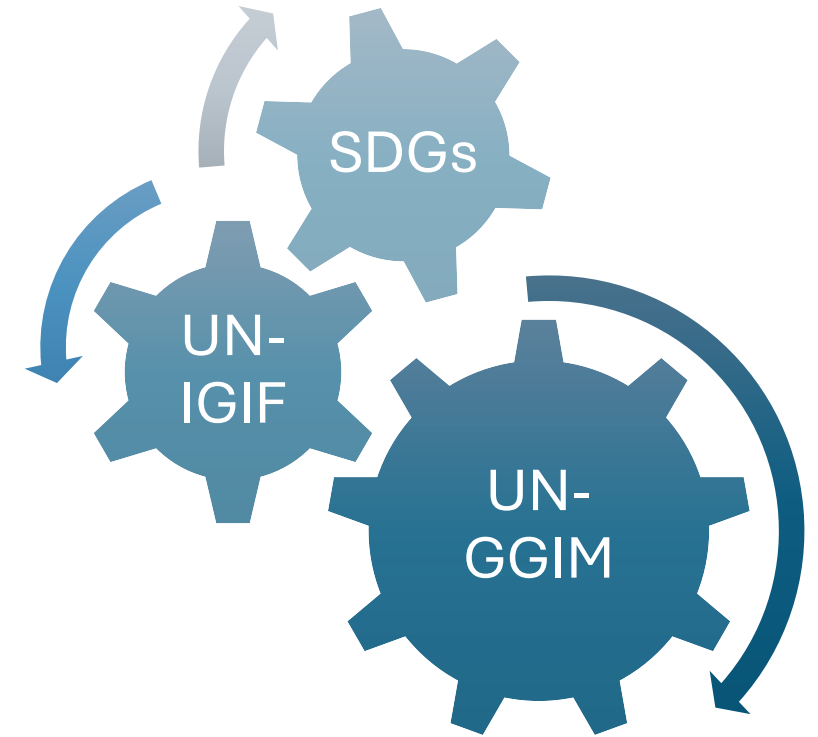
Empowering Member States:

dedicated to enhancing the geospatial information management capabilities of Member States, with a particular focus on developing countries.

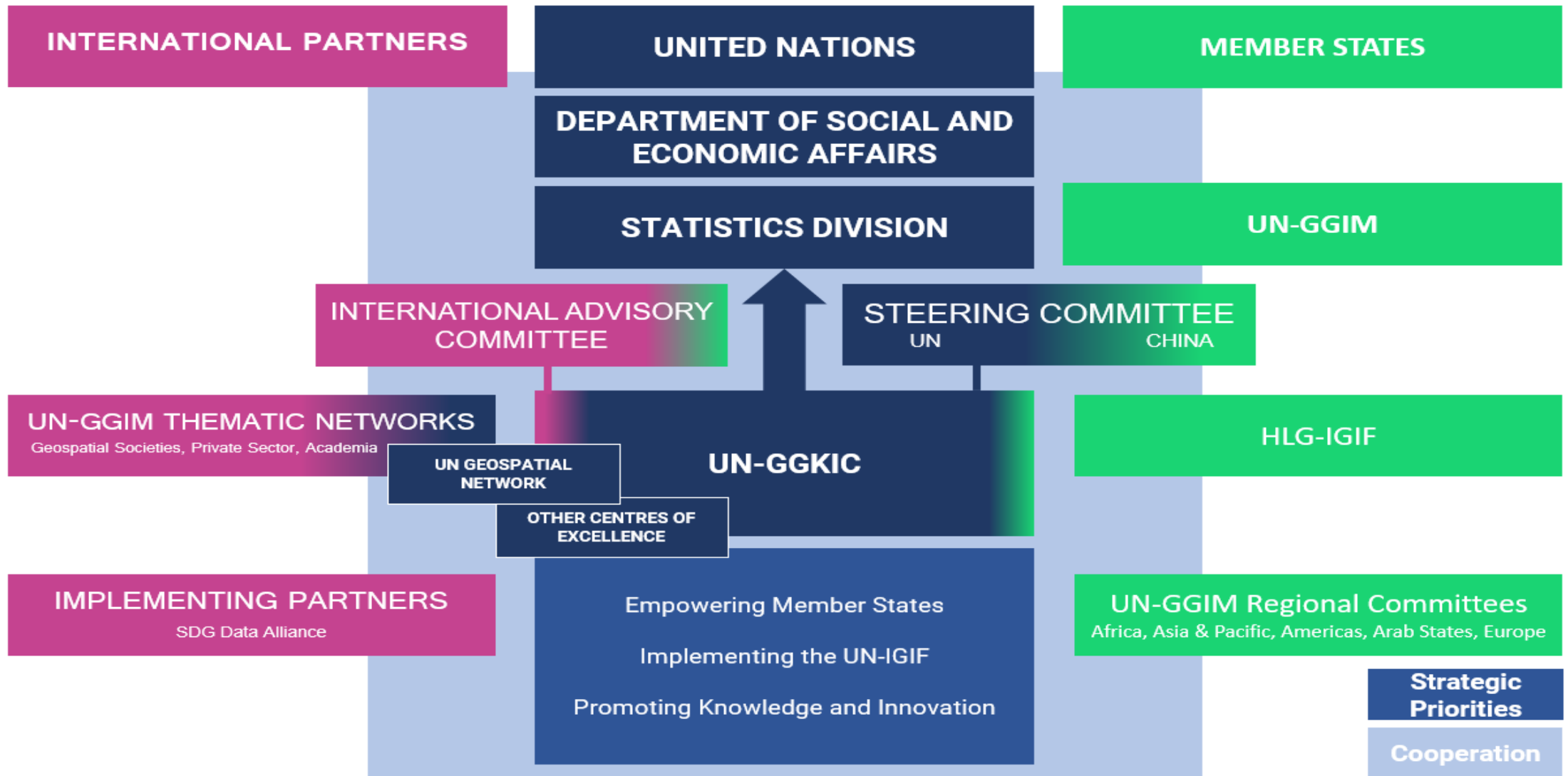


Promoting Knowledge and Innovation: striving to share knowledge, experiences, good practices, methodological guidance, and facilitating innovation and technological advancements, while promoting access to enabling geospatial tools and technologies across countries.

Implementing the UN-IGIF: committed to fulfilling the ambitions set by Member States for the implementation of the UN-IGIF.



Institutional Arrangements of UN-GGKIC



Workshop on United Nations Integrated Geospatial Information Framework (UN-IGIF) ahead of the Eleventh Session of the United Nations Regional Committee on Global Geospatial Information Management for the Africa (UN-GGIM Africa)

UN-GGKIC main goals



HLG - UN-IGIF and UNGGKIC

The **HLG-UNIGIF** was formed to **provide strategic leadership, coordination**, and oversight in order to ensure the sustained success of the UN-IGIF, and to mobilize the resources necessary to maintain the momentum and refinement of the UN-IGIF as a continuously evolving process.



UN-GGKIC as secretary of HLG on IGIF and responsible for most priorities of UN-IGIF Implementation.

Current

Priority Activities



26



3

Working Group

UN-GGKIC 14

HLG-IGIF

7

4

Secretariat

1

UN-GGIM
: America

- Geospatial Leadership Training
- Country-level Action Plan Development
- Capacity Building Workshops
- MS self Assessment
- UN-IGIF annual survey
- UNGGKIC IGIF implementation annual plan
- Knowledge Hub
- UN-IGIF training for Trainers
- Provide UN-IGIF technical assistance
- CAP implementation
- Awareness and Promotion
- Communication strategy
- IGIF communication toolkits

Future (8 Priority Activities)

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

Workshop on United Nations Integrated Geospatial Information Framework (UN-IGIF) ahead of the Eleventh Session of the United Nations Regional Committee on Global Geospatial Information Management for the Africa (UN-GGIM Africa)



Implementing the UN-IGIF

UN-GGKIC Priorities

Geospatial Value 1

'Use cases'
development



Knowledge Sharing 3

Regional Workshops



**Understanding current
status of IGIF
Implementation**

Global survey



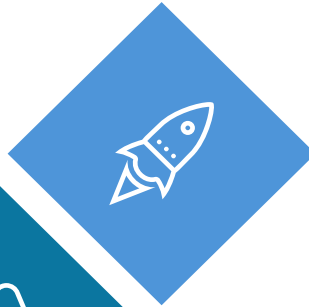
**Knowledge transfer
and Hands-on**

4 Subregional 'deep dive'

5

**Technical assistance
'One-on-one'**

Consultants supporting
countries for CAP



GLOBAL

REGIONAL

NACIONAL



Workshop on United Nations Integrated Geospatial Information Framework (UN-IGIF) ahead of the Eleventh Session of the United Nations Regional Committee on Global Geospatial Information Management for the Africa (UN-GGIM Africa)

Use cases development on the benefits of geospatial information management as advocacy for political buy-in and support (2026)

Land resources & administration

- Land administration and management and the use of geospatial information in Rwanda
- Land Administration and Management in Tonga

Disaster Risk & Management

- Japan

Peace and Security

- Peace and security operations and the use of geospatial information in Belgium

Sustainable Energy

- Sustainable energy optimization and the use of geospatial information in South Africa

Wildfire Response & Management

- Canada

Service planning

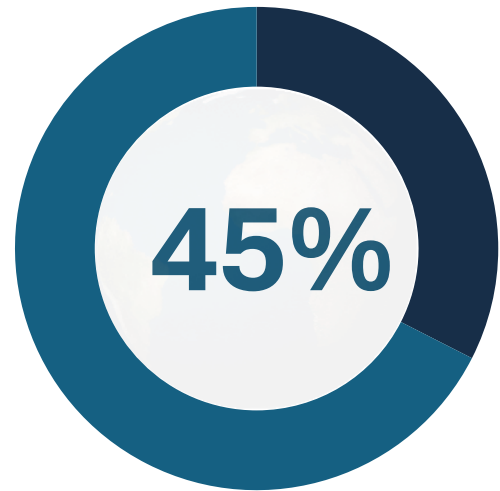
- Health services coverage optimization/monitoring in Saudi Arabia



② Understanding current status of IGIF Implementation - Global survey

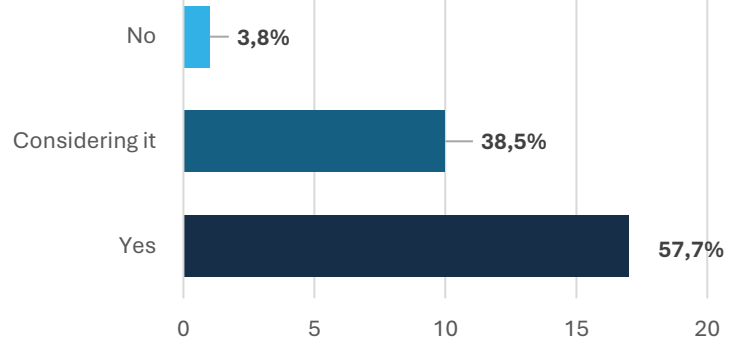


Member States that responded to the survey

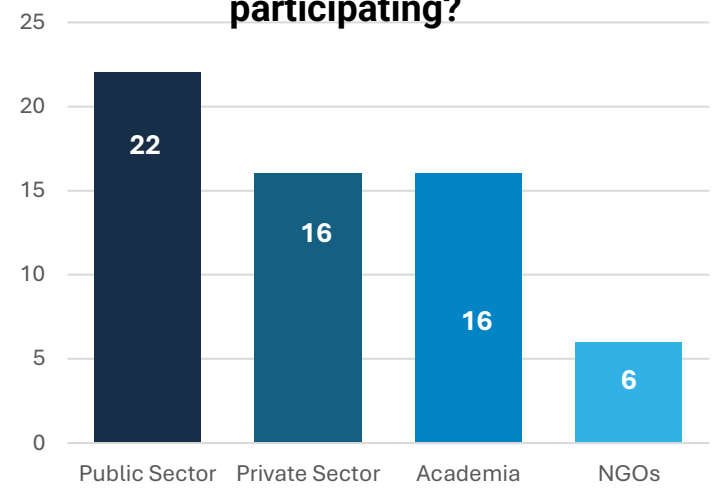


26 of 54

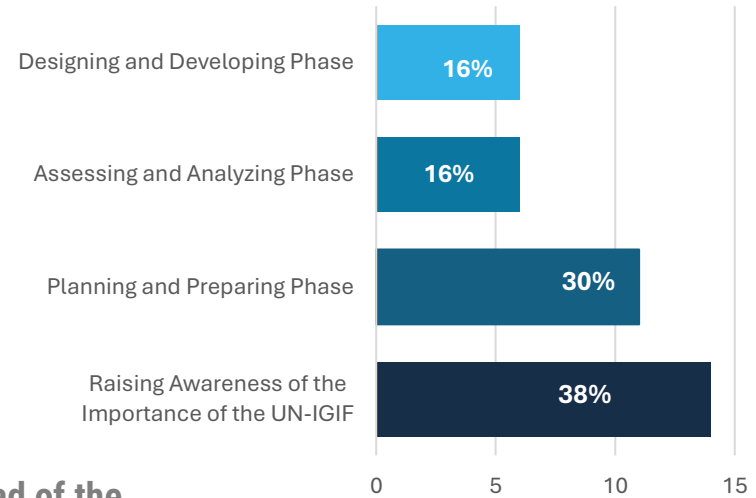
Are you using or implementing the UN-IGIF?



What agencies/institutions are participating?



Where are you in the implementation or use of the UN-IGIF?



<https://ggim.un.org/documents/Report-Global-Survey.pdf>



Workshop on United Nations Integrated Geospatial Information Framework (UN-IGIF) ahead of the Eleventh Session of the United Nations Regional Committee on Global Geospatial Information Management for the Africa (UN-GGIM Africa)

- 1 Achievement of the **SDGs**
- 2 critical enabler for monitoring progress
- 3 Guide national priorities.

Annual survey will provide the foundation for this understanding, **enabling more effective coordination, targeted support, and accelerated progress toward shared objectives of strengthening geospatial information capabilities worldwide**

UN-IGIF Annual Survey - Need and Importance



Global/GGIM

- Regular assessment of progress toward UN-IGIF objectives
- Regular reporting opportunities to member states and partners
- Advocacy efforts by demonstrating implementation progress and impact



UN-GGKIC

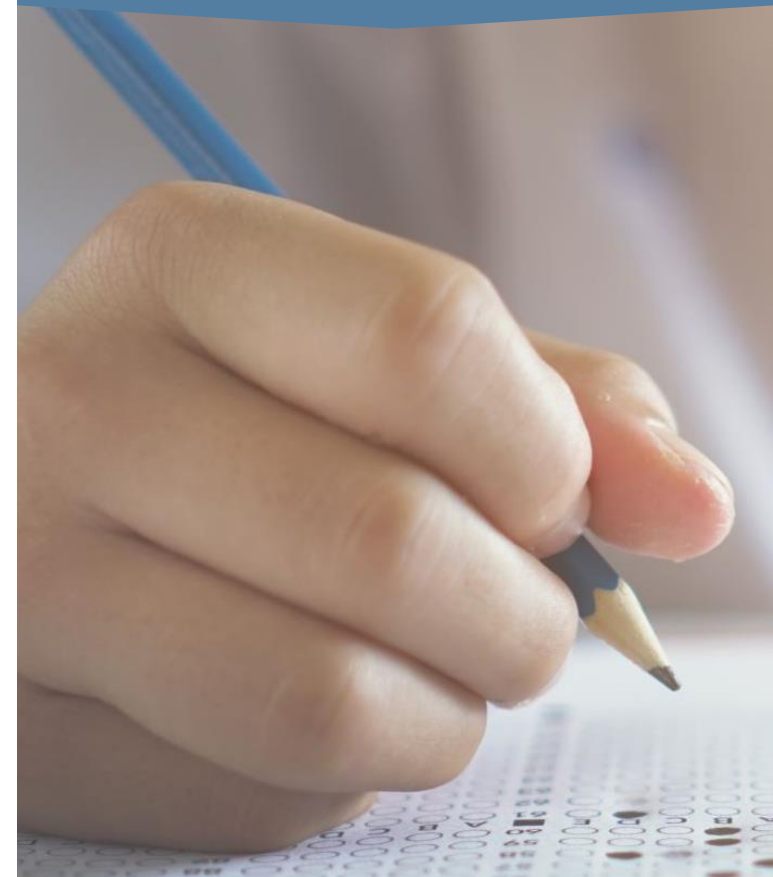
- Helps UNGGKIC plans/assess progress against established goals/Actions
- identifies challenges for interventions, successful practices to be scaled
- Supports internal planning resource allocation decisions



Member States

- Offers countries benchmarking opportunities against regional and global peers
- Identifies areas where national strategies may need adjustment or additional focus
- Provides evidence for support request/capacity building/needs





**Part 1:
Profiling/awareness**

- Country/Region
- One focal person per country
- Data aggregation to region level
- Areas of IGIF Usage
- IGIF adoption/awareness

Part 2 :Level of implementation

Initial

- 9 strategic pathways implementation
- Progress/Challenges
- Support & Resources

Advanced

- CAP development
- Challenges /Needs
- Collaboration

**Part 3:
Outcomes/benefits**

- Benefits Realized
- SDG alignment
- Future priorities
- Cooperation



| | | | |
|---|---|--|---|
| <p>Knowledge Sharing and Learning</p> <p>Best Practice Identification Peer Learning Networks</p> | <p>Accountability and Transparency</p> <p>Progress Monitoring Stakeholder Engagement</p> | <p>Strategic Planning Resource Mobilization</p> <p>Gap Analysis Resource Optimization</p> | <p>Impact Measurement Communication</p> <p>Outcome Documentation Success Story Development</p> |
|---|---|--|---|



UNIGIF Annual Survey - Activities & timeline

1. Design and Development

- Finalize survey and questionnaire design
- Establish data collection and analysis protocols
- Develop online survey
- Create multi-language versions

Step 1

2. Stakeholder Engagement

- Conduct outreach to national focal points
- Establish partnerships with regional committees
- Organize regional briefing sessions
- Develop COMM materials and guidance documents

Step 2

3. Pilot Implementation

- Launch pilot survey (selected countries)
- Test data collection processes and analytical frameworks
- Gather feedback on survey design and implementation approach
- Refine methodology based on pilot

Step 3

4. Full Launch and Initial Analysis

- Launch first annual survey globally
- Implement a comprehensive outreach and follow-up strategy
- Conduct initial data analysis and report
- Present findings at the 16th GGIM session and relevant international forums/UNGGKIC Workplan

Step 4



Incorporate lessons learned
 Refine questions and analytical approaches
 Develop enhanced visualization and reporting
 Create automated analysis tools



Conduct a comprehensive analysis of year-over-year trends



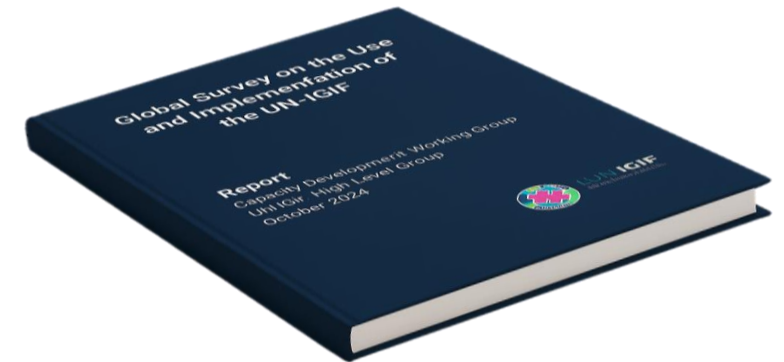
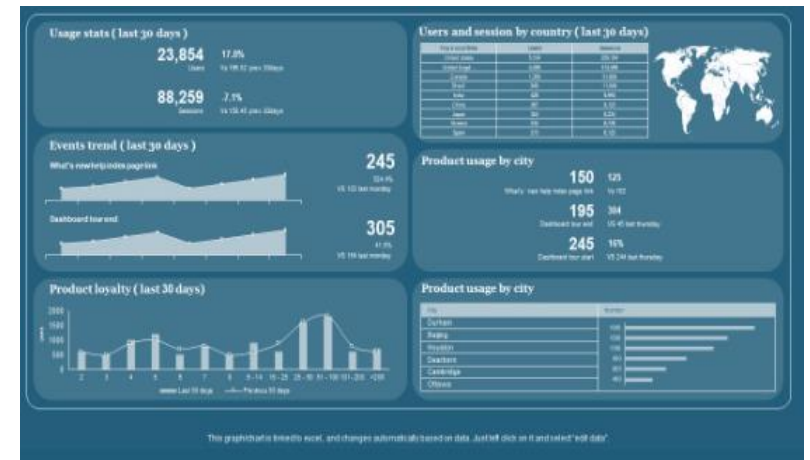
Develop specialized reports for different stakeholder groups



Create interactive dashboards for progress monitoring



Produce case studies on significant progress or innovative approaches



Cooperation & Stakeholder Engagement

Workshop on United Nations Integrated Geospatial Information Framework (UN-IGIF) ahead of the Eleventh Session of the United Nations Regional Committee on Global Geospatial Information Management for the Africa (UN-GGIM Africa)



③ Knowledge sharing - Regional workshops

Workshops supporting annual regional committee sessions and focusing on the implementation and good practices of the UN-IGIF (UN-GGIM Americas & Africa, Nov 2025, Africa, and in 2026)




14th Plenary Session of UN-GGIM Asia and the Pacific

 **Goyang, Republic of Korea** • September 24-26, 2025

- Under the theme: "Shaping the Future: Geo-Innovation, Geo-Solutions." The center organized two IGIF sessions with representatives from 25 countries, focusing on practical UN-IGIF implementation with emerging technologies.




UN-IGIF Workshop for GGIM Americas

 **Santiago, Chile** • 3-7 November 2025

These efforts aim to assist Member States in advancing the implementation of the United Nations Integrated Geospatial Information Framework (UN-IGIF), while reinforcing geospatial information management and accelerating progress toward the Sustainable Development Goals.



UN-IGIF Workshop for GGIM Africa

 **Accra, Ghana** • 17-21 November 2025

These efforts aim to assist Member States in advancing the implementation of the United Nations Integrated Geospatial Information Framework (UN-IGIF), while reinforcing geospatial information management and accelerating progress toward the Sustainable Development Goals.

④ Knowledge transfer and Hands-on - Subregional deep dive workshops

Subregional expert meetings and workshops on the implementation of the UN-IGIF with ‘deep dive’ sessions discussing methods and practices (Mozambique, Mar 2025, Kazakhstan, Sep 2025, Panama, Dec 2025...)



Expert Consultation & UN-IGIF Workshop for Southern Africa

📍 **Maputo, Mozambique • March 2025**

- Brought together representatives from Southern African countries, SIDS, and landlocked nations. Addressed challenges of fragmented data systems, lack of technical capacity, and limited regional coordination. Developed actionable strategies for harmonizing national geospatial infrastructures.



Expert Consultation & Sub-Regional IGIF Workshop for Central Asia

📍 **Astana, Kazakhstan • September 2025**

- Five-day program with 32 senior officials from 10 countries. Strong focus on peer learning, cross-border collaboration, particularly for LLDCs. Developed context-driven strategies to strengthen geospatial arrangements.



UN-IGIF Sub-Regional Workshop in the Caribbean groups of countries

📍 **Panama, December 2025**

- UN-IGIF sub-regional workshop in Panama in December 2025 for Caribbean countries in efforts to advance and operationalize the United Nations Integrated Geospatial Information Framework (UN-IGIF) and developing Country-level Action Plans, fostering regional cooperation.

From Framework to Action

Translate the UNIGIF framework into country-specific, actionable strategies

Ongoing technical assistance with the staff of UN-GGKIC and hired consultants in supporting specific countries in the development of Country-level Action Plans

**Mozambique, Burundi, Comoros
Antigua&Barbuda, Panama and Chile**

- Assess current capacity
- Identify gaps and priorities
- Align with national development goals

- Leverage existing data and systems
- Integrate with digital transformation
- Avoid duplication

- Define clear indicators
- Regular progress reviews
- Document lessons learned

More countries to be supported in 2026





Developing leadership and collaboration



Addressing national priorities



Progressing geospatial knowledge



Enabling innovation and technology



Enhancing communication and awareness

Activities
2026

Strategic Goals

1Q

2Q

3Q

4Q

Developing Leadership and Collaboration

- 7th Plenary Meeting HLG-IGIF, Brussels, Belgium
- SIDS Geo-Forum, Leadership Development and IGIF Workshop, Hainan, China

- UN: GGIM-AP, Expert Consultation and Sub-regional Workshop on IGIF

- IAC Meeting, Deqing, China
- 16th Session UUN-GGIM & 8th HLG-IGIF Plenary
- High-Level Political Forum on SDGs

- UN-GGIM: Americas, 13th Plenary Meeting
- Leadership Training (3WGIC)

Addressing National Priorities

- SIDS Geo-Forum, Leadership Development and IGIF Workshop, Hainan, China
- Assessment of National Readiness for IGIF Implementation

- UN: GGIM-AP, Expert Consultation and Sub-regional Workshop on IGIF
- Train the Trainers (UN-IGIF)

- UN: GGIM-Arab States, Expert Consultation and Sub-regional Workshop on IGIF

- UN: GGIM-AF, Expert Consultation and Sub-regional Workshop on IGIF Sub-Saharan Region

Progressing Geospatial Knowledge

- Webinar: Disaster Risk Reduction
- Global Geographic Information Knowledge Repository

- Webinar: Health & Education
- Global Geographic Information Knowledge Repository

- Webinar: Resources Inventory & Planning
- Geospatial Knowledge & Digital Learning Platforms

- Knowledge and Innovation Sessions (3WGIC)
- Webinar – Return on Investment
- Geospatial Knowledge & Digital Learning Platforms

Enabling Innovation and Technology

- Pilot Project on Remote Sensing Data for UN operations

- Global Platform for Sustainable Development

- Smart Remote Sensing Data Portal

- Global Geospatial Intelligence Framework Service Platform

Enhancing Communication and Awareness

- HLG-IGIF: Re-arrangement of Working Groups & strategic guidance
- Conduct geospatial information promotion and popularization

- FIG Conference, South Africa
- IAC Meeting

- High-Level Political Forum on SDGs
- Promoting Geospatial Knowledge and Exchange to Advance the SDGs

- SC Meeting
- Train the Trainers

Thank you



Workshop on United Nations Integrated Geospatial Information Framework (UN-IGIF) ahead of the Eleventh Session of the United Nations Regional Committee on Global Geospatial Information Management for the Africa (UN-GGIM Africa)