



## THE HIGH-LEVEL GROUP - INTEGRATED GEOSPATIAL INFORMATION FRAMEWORK PROGRESS IN THE WORK

---

UNGGIM EUROPE EIGHTS PLENARY MEETING OCTOBER 13, 2021

# BACKGROUND – UNGGIM

“There is a significant gap in the management of geospatial information globally”

Paul Cheung, Director,  
United Nations Statistics Division,  
Cambridge Conference, June 2011



## Resolution

### 2011/24 Committee of Experts on Global Geospatial Information Management

*The Economic and Social Council,*

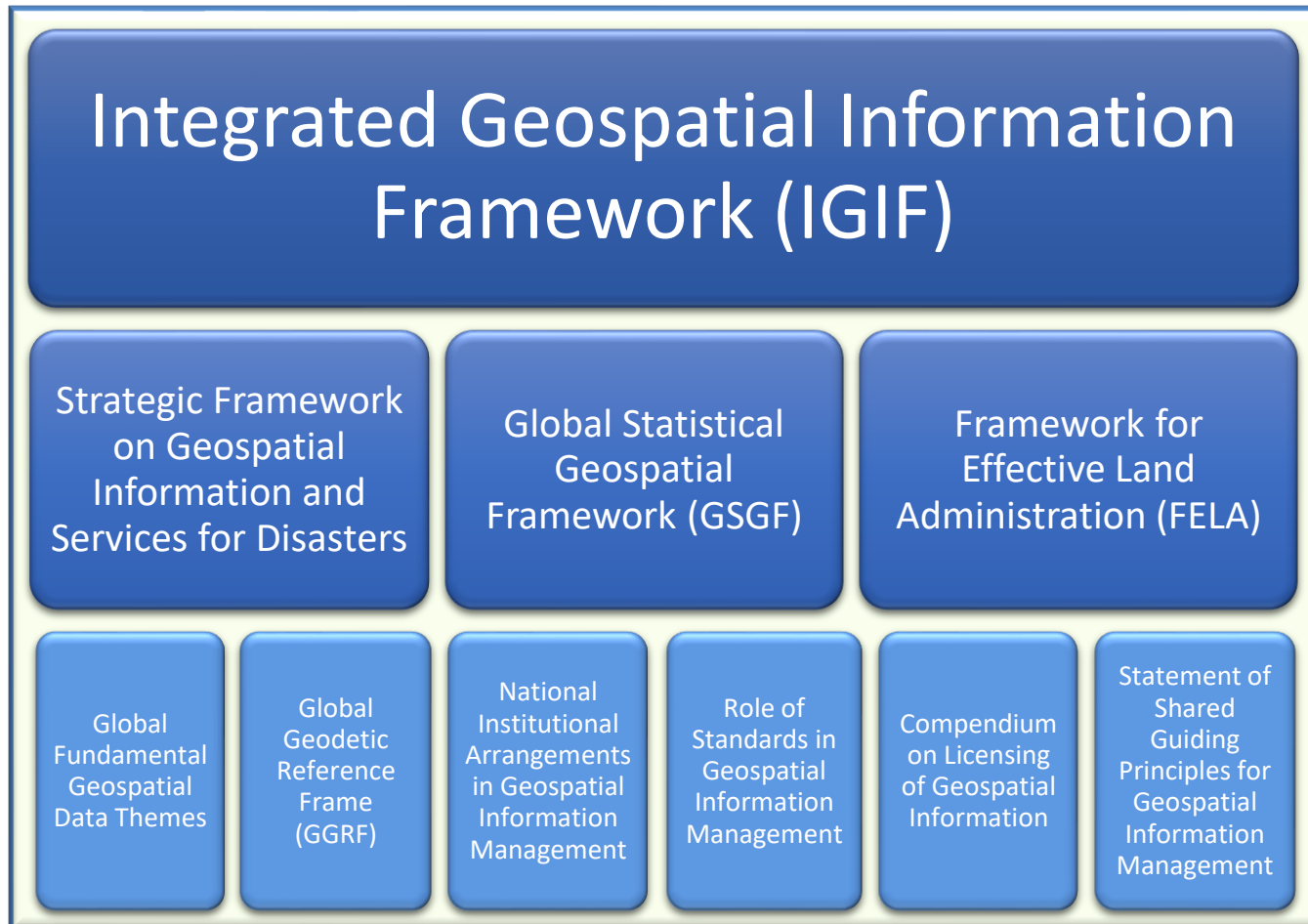
1. *Takes note* of the report of the Secretary-General on global geospatial information management<sup>3</sup> and the recommendations contained therein;
2. *Recognizes* the need to promote international cooperation in the field of global geospatial information;
3. *Decides*, in this regard, to establish the Committee of Experts on Global Geospatial Information Management, in accordance with the terms of reference contained in the annex to the present resolution, to be established and administered within existing resources and organized accordingly, and requests the Committee to present to the Economic and Social Council in 2016 a comprehensive review of all aspects of its work and operations, in order to allow Member States to assess its effectiveness;
4. *Encourages* Member States to hold regular high-level, multi-stakeholder discussions on global geospatial information, including through the convening of global forums, with a view to promoting a comprehensive dialogue with all relevant actors and bodies;
5. *Emphasizes* the importance of promoting national, regional and global efforts to foster the exchange of knowledge and expertise, to assist developing countries in building and strengthening national capacities in this field.

*47th plenary meeting  
27 July 2011*

“ECOSOC established the Committee of Experts as the apex intergovernmental mechanism for making joint decisions and setting directions with regard to the production, availability and use of geospatial information within national, regional and global policy frameworks. Led by United Nations Member States, UN-GGIM aims to address global challenges regarding the use of geospatial information, including in the development agendas, and to serve as a body for global policymaking in the field of geospatial information management”

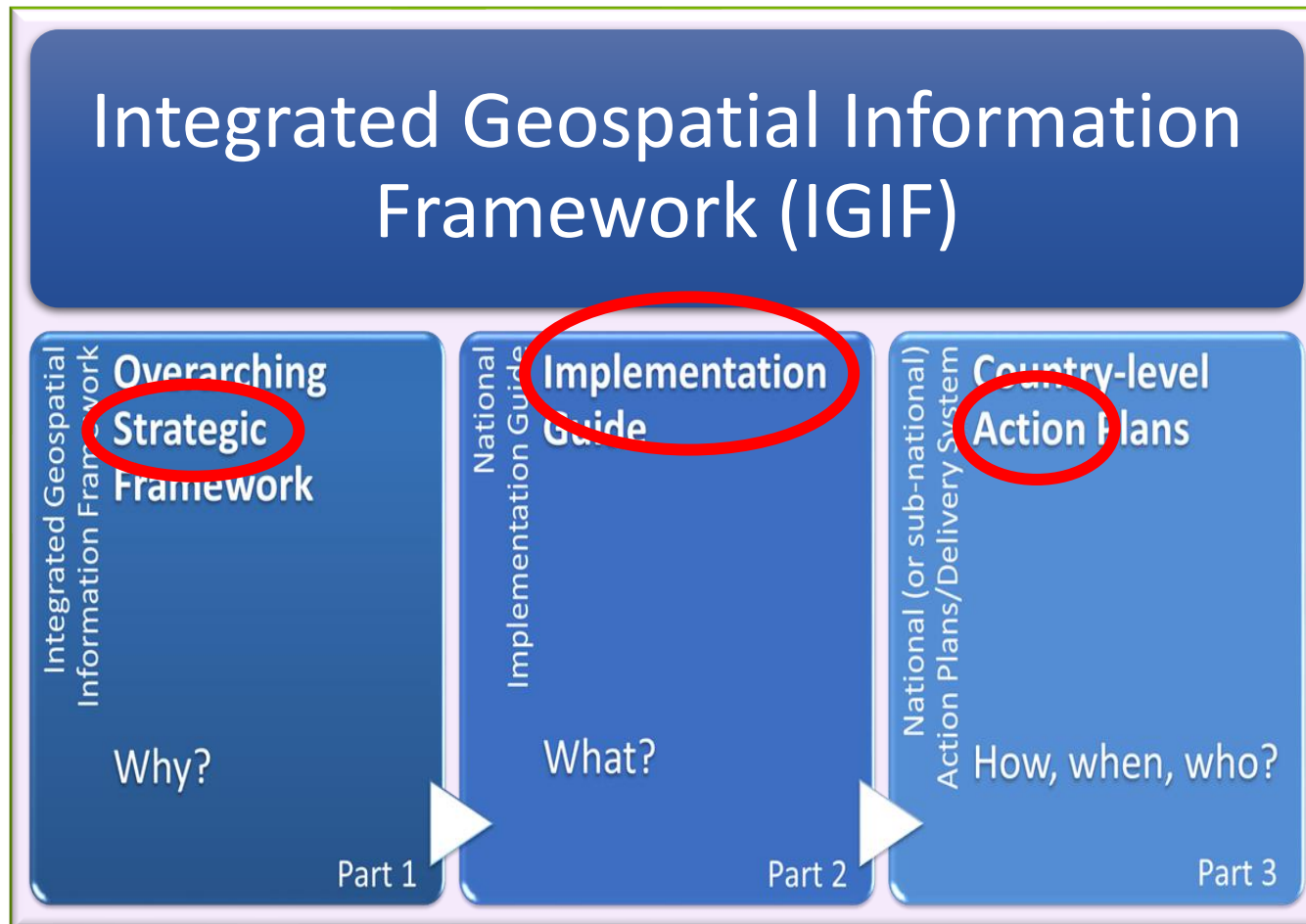
# BACKGROUND – UNGGIM IGIF

## Global Geospatial Frameworks



# BACKGROUND – UNGGIM IGIF

## Global Geospatial Frameworks



The IGIF is a multi-dimensional Framework that is aimed at strengthening national geospatial information management in countries, developing countries, in particular.

It comprises an overarching **Strategy** – from local to global, **Implementation** guidance, and **Action** plans at the country level.

With a focus on the ability for geospatial information to be integrated with any other meaningful data to solve societal and environmental problems, the IGIF acts as a catalyst for economic growth and opportunity and stimulates improved understanding and decision-making for national development priorities and the SDGs.

A blue presentation slide with white text. The title 'Integrated Geospatial Information Framework' is written vertically on the left. The main title 'Overarching Strategic Framework' is in the upper right. The word 'Why?' is in the center. 'Part 1' is in the bottom right corner.

Integrated Geospatial  
Information Framework

# Overarching Strategic Framework

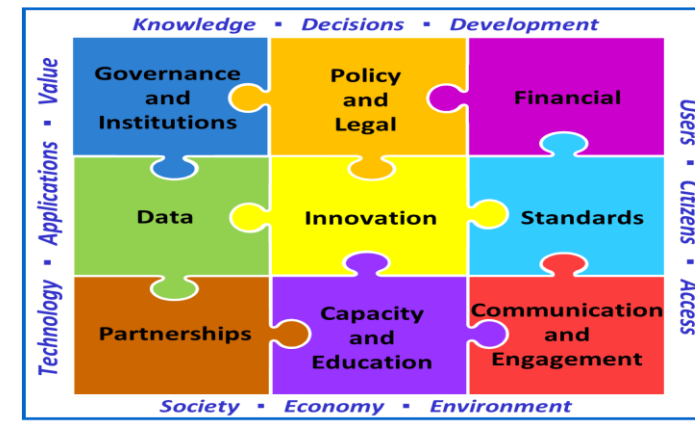
## Why?

Part 1

- Adopted by UN-GGIM in August 2018, the Overarching Strategic Framework sets the context of ‘**why**’ geospatial information management is a critical element of national social and economic development, and ‘**why**’ it needs to be strengthened.
- This is the strategic policy guide to reference when developing and strengthening national and sub-national geospatial information management systems and capabilities. It presents a forward-looking and aspirational geospatial framework built on national needs and circumstances.
- As a ‘strategic’ introduction to the IGIF, the intended audience includes national leaders, political leaders, organizational managers, the business community and academia.
- Comprises a **Vision and Mission, Strategic Drivers, 7 Underpinning Principles, 8 Goals, 9 Strategic Pathways**, and defined **Benefits** that take account of national priorities.

<div><b>VISION</b></div> <div>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</div>							
<div><b>MISSION</b></div> <div>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.</div>							
<div><b>STRATEGIC DRIVERS</b></div> <div>National Development Agenda • National Strategic Priorities • National Transformation Programme • Community Expectations • Multilateral trade agreements • Transforming our World: 2030 Agenda for Sustainable Development • New Urban Agenda • Sendai Framework for Disaster Risk Reduction 2015–2030 • Addis Ababa Action Agenda • Small Island Developing States Accelerated Modalities of Action (SAMOA Pathway) • United Nations Framework Convention on Climate Change (Paris Agreement) • United Nations Ocean Conference: Call for Action</div>							
<div><b>UNDERPINNING PRINCIPLES</b></div>							
Strategic Enablement	Transparent and Accountable	Reliable, Accessible and Easily Used	Collaboration and Cooperation	Integrative Solution	Sustainable and Valued	Leadership and Commitment	
<div><b>GOALS</b></div>							
Effective Geospatial Information Management	Increased Capacity, Capability and Knowledge Transfer	Integrated Geospatial Information Systems and Services	Economic Return on Investment				
Sustainable Education and Training Programs	International Cooperation and Partnerships Leveraged	Enhanced National Engagement and Communication	Enriched Societal Value and Benefits				

STRATEGIC CAPABILITIES									
<b>Governance and Institutions</b> <b>Governance</b> Governance model Leadership Value proposition Institutional mechanisms	<b>Policy and Legal</b> <b>Governance</b> Legislation Policies, norms and guides Data protection, licensing and sharing Governance and accountability	<b>Financial</b> Business model Opportunities Investment Benefits realization	<b>Data</b> Data themes Creation, acquisition and management Data supply chains Data curation and delivery	<b>Innovation</b> Technological advances Process innovation Innovation and creativity Bridging the geographical divide	<b>Standards</b> Standards governance and policy Technology and data interoperability Compliance testing and certification Community of Practice	<b>Partnerships</b> Cross-sector and interdisciplinary cooperation Private sector and academia collaboration International collaboration Community participation	<b>Capacity and Education</b> <b>People</b> Awareness Formal education Professional training Entrepreneurship	<b>Communication and Engagement</b> Stakeholder and user engagement Strategic messaging and engagement Communication strategy, plans and methods Monitoring and evaluation	
<b>BENEFITS</b>									
Knowledge   Decisions   Development   Society   Economy   Environment   Users   Citizens   Access   Technology   Applications   Value									



# BACKGROUND – UNGGIM IGIF




- Adopted by UN-GGIM in September 2020, the Implementation Guide explains ‘**what**’ specific guidance and options can be taken by countries in implementing the IGIF.
- Expanding on each of the 9 Strategic Pathways, the Guide captures strategic to operational needs with references, good practices, guiding principles, actions, deliverables, outcomes and resources for countries to establish ‘nationally’ integrated geospatial information frameworks in such a way that transformational change is enabled, visible and sustainable.
- Recognizing that every country is at different levels of maturity in their geospatial development journey, the guidance is comprehensive, but general enough to be applicable to all countries, and sufficiently flexible so that each country can develop their own plan of actions to meet their national priorities and circumstances.



Category of Action:

Managing Data Sustainably


Actions:

 Data Custodianship Policy and Guidelines  
 Data Governance  
 Maintained Metadata  
 Storage and Retrieval Systems  
 Data Release

Tools:

 Data Custodianship Policy Example  
 Data Management Plan Elements  
 Metadata Creation Checklist  
 Data Release Guidelines

Interrelated Actions:

 Governance Model (SP1)  
 Geospatial Steering Committee (SP1)  
 Geospatial Information Coordination Unit (SP1)  
 Policy Framework (SP2)  
 Data Standards (SP6)  
 Storage Solutions (SP5)

## IGIF: IMPLEMENTATION GUIDE

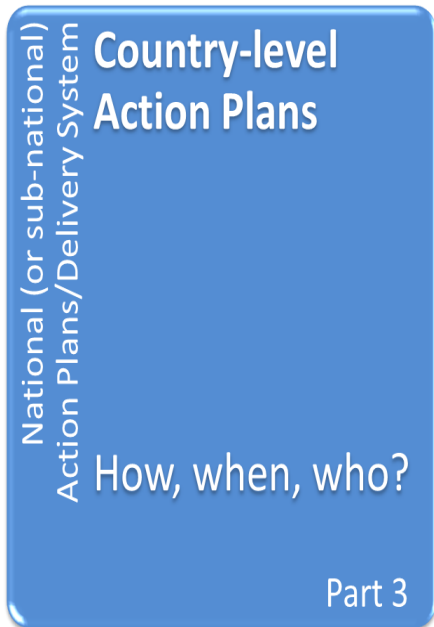


1. Abstract
2. Summary
3. Introduction
4. Context and Rationale
5. **Approach**
6. Elements
7. Guiding Principles
8. Actions
9. Deliverables
10. Outcomes
11. Resources





# BACKGROUND – UNGGIM IGIF



- The Country-level Action Plan (CAP) is specific to, and completed by, each country. The CAP provides the process to build an IGIF for a nation, beginning with specific plans that align with national priorities and circumstances. CAP templates are available for countries to use and detail **‘how’** the guiding principles, options, and actions specified in the Implementation Guide will be carried out, **‘when’** and by **‘whom’**.
- Each CAP explains where each country is at in terms of their capabilities and capacity, and reflects decisions made to advance and/or enhance national geospatial arrangements within that country, what their aspirations are, and where they want to be after planning for their IGIF.
- The CAP is a plan, not a programme that is implemented. The CAP contain the processes, templates and tools that are available and necessary to first develop a national action plan, and then operationalize the IGIF through its subsequent implementation, and aligned with national priorities.
- CAPs are now being developed and implemented in several ways, and in coordination with the Implementation Guide. They include elements such as the economic impact and value of geospatial information systems, identification of investment needs and priorities, and sequenced implementation options.

Each Country-level Action Plan is unique, reflecting decisions made to advance and/or enhance national geospatial information arrangements, and where a country wants to be after planning for their IGIF

# BACKGROUND – UNGGIM HLG IGIF

The strategic leadership, guidance and championing at this foundational phase of the IGIF are crucial, the steps and decisions taken collectively by the HLG-IGIF will have profound impact on all countries, particularly developing countries.

- At its tenth session in 2020, UN-GGIM noted the global significance of the IGIF as a key umbrella for the many activities under the purview of the Committee of Experts.
- UN-GGIM recognized that the IGIF provides the basis and guide for developing, integrating and strengthening national geospatial information management arrangements in Member States, bridging the geospatial digital divide, and supporting the implementation of the 2030 Agenda and other global development Agendas.
- UN-GGIM endorsed the establishment of a high-level group (HLG-IGIF) to provide strategic leadership, coordination and oversight in to ensure the sustained success of the IGIF, and to mobilize the resources necessary to maintain its momentum and refinement.
- HLG-IGIF established in February 2021;  
First meeting February 2021  
Second meeting May 2021  
Third meeting July 2021  
Developing the HLG-IGIF Strategic Plan.  
Prepared the report to the “Eleventh Session of the UNGGIM Committee of Experts”  
Side-event at UNGGIM 11



# TODAY – “TERMS OF REFERENCE”

*“The High-Level Group of the Integrated Geospatial Information Framework (HLG-IGIF) aims to: provide the strategic leadership, promotion, coordination, planning and oversight to successfully sustain the uptake and implementation of the IGIF; explicitly demonstrate the societal value and impact of the IGIF, and associated progress towards enabling the achievement of the SDGs; 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.”*

[https://ggim.un.org/documents/HLG-IGIF\\_ToR\\_February%202021.pdf](https://ggim.un.org/documents/HLG-IGIF_ToR_February%202021.pdf)

# TODAY – “MEMBERS”

## **UN-GGIM Bureau**

Belgium	Ms. Ingrid Vanden Berghe
Tonga	Ms. Rosamond Bing
Cameroon	Mr. Fernand Isseri

## **UN-GGIM: Africa**

Burkina Faso	Mr. Halidou Nagabila
Ethiopia	Mr. Tulu Besha Bedada
Morocco	Mr. Kamal Outghouliast
South Africa	Ms. Maroale Mimi Chauke

## **UN-GGIM: Americas**

Chile	Mr. Cristián Araneda Hernández
Jamaica	Ms. Simone Lloyd
Panama	Ms. Isis Tejada
United States	Ms. Deirdre Bishop

## **UN-GGIM: Arab States**

Algeria	Mr. Hamid Oukaci
Jordan	Mr. Mu’ammar Kamel Haddadin

## **UN-GGIM-AP**

Indonesia	Mr. Antonius B Wijanarto
Kyrgyzstan	Mr. Bakytbek Djusupbekov
Mongolia	Mr. Tsevelsodnom Gankhuu
Nepal	Mr. Prakash Joshi

## **UN-GGIM: Europe**

Germany	Mr. Pier-Giorgio Zaccheddu
Netherlands	Mr Frank Tierolff
Sweden	Mr. Anders Sandin
United Kingdom	Mr. Jamie Clark

<http://ggim.un.org/UNGGIM-HLG-IGIF/>

# TODAY – ”STRATEGIC PLAN”

HIGH-LEVEL GROUP ON THE INTEGRATED GEOSPATIAL INFORMATION FRAMEWORK  
(HLG-IGIF)

## STRATEGIC PLAN

JULY 2021

Endorsed by the HLG – IGIF, July 29

1

Improve Communication

2

Promote data governance, availability and accessibility

3

Strengthen capacity development

4

Mobilize sustainable funding

5

Encourage collaboration, exchange and sharing

6

Oversee improvement and review

# TODAY – ”GOALS”

## Goal 1 - Improve Communication

### Focus Actions

- Develop and implement a communication strategy
- Create awareness on the importance and relevance of the IGIF for policy- and decision-makers as well as for other key stakeholders normally outside the geospatial community.
- Identify inclusive communication channels for the IGIF.
- Initiate IGIF forums at the global and regional levels for creating awareness and realizing the benefits from implementation of the IGIF and other relevant frameworks, such as the Global Statistical Geospatial Framework (GSGF) and the Framework for Effective Land Administration (FELA).
- Convene consultative meetings on the implementation and operationalization of the IGIF.
- Share and communicate the IGIF in relevant forums as a key umbrella for the many activities under the purview of UN-GGIM.

### Outcome

- Improved communication and understanding on the importance and value of the IGIF including for those beyond the geospatial community; and strengthened cooperation with stakeholders towards nationally integrated geospatial information management.

1

Improve Communication

3

Strengthen capacity development

4

Mobilize sustainable funding

# TODAY – "GOALS"

## Goal 3 - Strengthen capacity development

### Focus Actions

- Serve as executive champions of the IGIF promoting its broad implementation and use.
- Provide guidance and recommend technical support and capacity development for countries in need, to enable the implementation of the IGIF.
- Assist developing countries to implement the IGIF, particularly those who have little or no geospatial capacity.
- Encourage exchange and sharing of good practices, experiences, successful strategies, and effective implementations of the IGIF.

### Outcome

- Improved and organized approaches for nationally integrated geospatial information management arrangements through strengthened capacity, capability, and greater use of geospatial information.

1

Improve Communication

3

Strengthen capacity development

4

Mobilize sustainable funding

# TODAY – "GOALS"

## Goal 4 – Mobilize sustainable funding

### Focus Actions

- Identify sources and mobilize funding to foster and support the implementation of the IGIF.
- Use all available resources from members of the HLG-IGIF where each member assumes some level of responsibility.
- Develop and provide mechanisms to identify funding sources and requirements to support developing countries' integrated geospatial information management action plans.
- Mobilize resources for implementation activities and maintain the momentum and evolving refinement of the IGIF with Member States and other relevant stakeholders.

### Outcome

- Mobilize appropriate resources and funding to support the planning and operationalization of the IGIF at the country-level.

1

Improve Communication

3

Strengthen capacity development

4

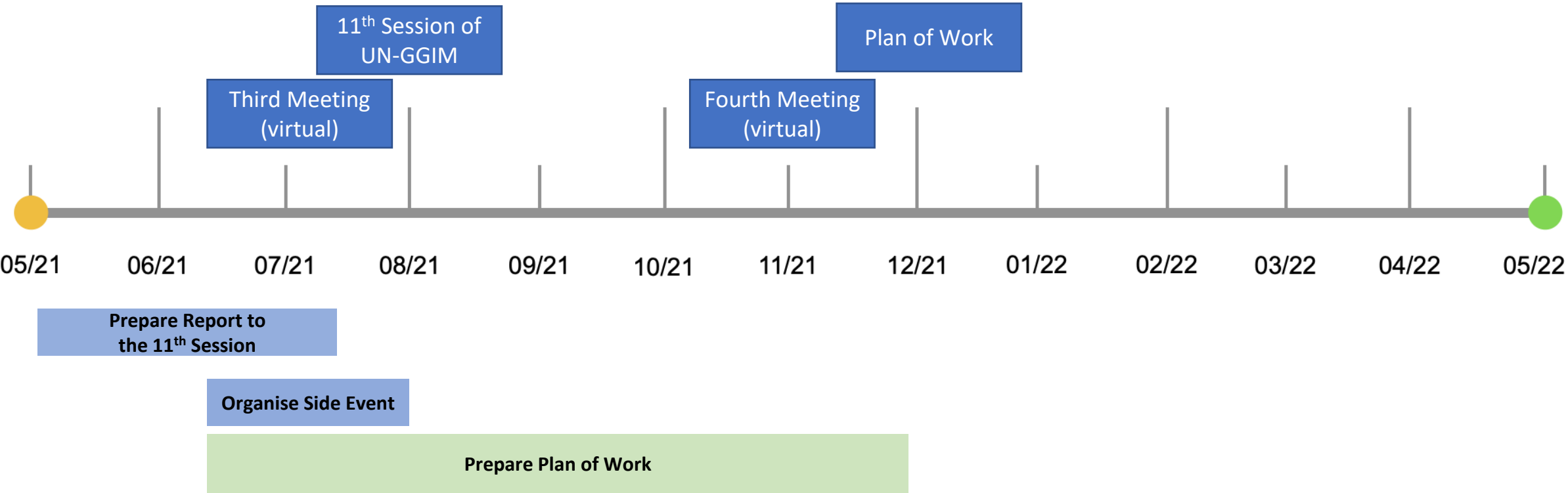
Mobilize sustainable funding



# TODAY – ”PLAN OF WORK”

Plan of Work					
Tasks	Strategic Objective	Responsible HLG Member	Resources Required	Deliverable(s) - Current Status – Completion Date	Priority
Goal 1 Develop a communication strategy	<objective>	<name>	<resources>	<status>	<priority>
Goal 3 Sharing and exchange of good practices					
Goal 4 Identify funding sources and their funding modality					

# NEXT STEP – "SCHEDULE"



# NEXT STEP – ACTIVITIES

- Prepare our fourth meeting – November 3
- Prepare HLG-IGIF draft Work Plan for review
- Conduct the fourth meeting for HLG-IGIF
- Establish three "Sub-groups" based on the prioritized goals – Finalize the Work Plan
- Finalize the "Implementation Guide"

Alone we **can do** so **little**; together we **can do** so **much**

# THANK YOU



Strengthening geospatial information management will assist countries in bridging the geospatial digital divide, secure socio-economic prosperity, and leave no one behind.

