

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

First meeting (virtual)

Thursday, 25 February 2021, 11:00 hrs. – 13:00 hrs. (UTC) / 06:00 a.m. – 8:00 a.m. (EST/UTC-5)

Provisional Agenda:

- 1) Welcome and Introductions
- 2) Adoption of Agenda and Organization of the Meeting
- 3) Mandate and Objectives of the HLG-IGIF
- 4) Election of Co-Chairs
- 5) Confirming the Role of the HLG-IGIF
- 6) Status of IGIF Implementation
- 7) Functions and Initial Programme of Work
- 8) Other Business



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1

AGENDA ITEM #1

Welcome and introductions (Secretariat)

Membership of the High-level Group -

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 Beshu 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'ammarr 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/>



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2

AGENDA ITEM #2

Adoption of Agenda and Organization of the Meeting (Secretariat)

00:01	1) Welcome and Introductions (Secretariat)
00:30	2) Adoption of Agenda and Organization of the Meeting (Secretariat)
00:33	3) Mandate and Objectives of the HLG-IGIF (Secretariat)
00:40	4) Election of Co-Chairs (Secretariat) <ol style="list-style-type: none">Co-Chair nominations and modalities for agreementOpening statements from Co-Chairs
00:50	5) Confirming the Role of the HLG-IGIF (Co-Chair) <ol style="list-style-type: none">Key functionsMembership compositionMethods of workFinalize and adopt Terms of Reference
01:05	6) Status of IGIF Implementation (Co-Chair) <ol style="list-style-type: none">Operationalizing the IGIF, Implementation Guide and Country-level Action PlansPublicity, communication and marketingCoordination and coherenceE-learning
01:15	7) Functions and Initial Programme of Work (Co-Chair) <ol style="list-style-type: none">Issues to be addressedProgramme of work
01:55	8) Other business (Co-Chair) <ol style="list-style-type: none">Next Meeting



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AGENDA ITEM #3

Mandate and Objectives of the HLG-IGIF (Secretariat)

Mandate –

At its tenth session, UN-GGIM in making decision 10/103:

- noted the global significance of the Integrated Geospatial Information Framework (IGIF), which serves as a key umbrella for the many activities under the purview of the Committee of Experts, including the regional committees and thematic groups of UN-GGIM, which could be applied to any country to guide transformational change, and which would be a living and usable document to be reviewed and refined through an iterative process, on the basis of the practical implementation experiences of Member States;
- endorsed the establishment of a dedicated high-level group of experts, with balanced geographical representation and expertise, as a mechanism to provide strategic leadership, coordination and oversight in order to ensure the sustained success of the IGIF, and to mobilize the resources necessary to maintain the momentum and refinement of the IGIF as a continuously evolving process



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4

AGENDA ITEM #3

Mandate and Objectives of the HLG-IGIF (Secretariat)

Objective –

- 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.



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5

AGENDA ITEM #4

Election of Co-Chairs (Secretariat)

a) Nomination of Co-Chairs

Considerations –

- Newly established group, critical establishment phase, with a mandate by UN-GGIM to provide strategic leadership, coordination and oversight;
- Programme of work that will be strategic and able to sustain the success of the IGIF; and
- Sound understanding, experience, and even more importantly, leadership, in the history and development of the IGIF would be most valuable.
- Request the High-level Group to consider and approve the nomination of:
 - i) Mr. Tulu Besha Bedada, Ethiopia; and
 - ii) Mr. Anders Sandin, Swedenas the first Co-Chairs of the HLG-IGIF



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AGENDA ITEM #4

Election of Co-Chairs (Secretariat)

b) Opening statements from Co-Chairs



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7

AGENDA ITEM #5

Confirming the Role of the HLG-IGIF (Co-Chair, Sweden)

a) Key functions of the HLG-IGIF shall include, but not be limited to:

- Communicate, promote and grow the importance and relevance of the IGIF and other relevant UN-GGIM frameworks to policy and decision-makers within and outside the global geospatial information community;
- Engage with and provide guidance on how geospatial information can be communicated and managed at the executive leadership level, and can be elevated in decision-making roles within and across government to support global to national development agendas and priorities;
- Provide an enabling environment to discuss strategies and activities for strengthening national capacities to effectively manage geospatial resources in order to modernize national integrated geospatial information arrangements within and across countries and regions;
- Identify opportunities, including twinning arrangements, to develop reference resources and training materials on the implementation of the IGIF, in order to provide the best possible support for countries, in particular, countries in special situations;



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AGENDA ITEM #5

Confirming the Role of the HLG-IGIF (Co-Chair, Sweden)

- a) Key functions of the HLG-IGIF shall include, but not be limited to:
- Address and advocate for resource mobilization, including in the context of funding entities, to sustain and maintain the momentum and refinement of the IGIF as a continual evolving process; for strengthening capacities to design, develop and implement the IGIF at the country-level; as well as identifying ways to leverage the resources and creativity of academia, international geospatial societies, and the private sector, etc.;
 - Mobilize resources and institutions inside and outside the geospatial information community, understand their needs, and if required, coordinate their actions to serve sustainable development as deemed appropriate, thereby further extending partnerships (i.e. foundations and development organizations); and
 - Review and make recommendations on the IGIF, including revisions and future trends, to UN-GGIM, as appropriate.



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AGENDA ITEM #5

Confirming the Role of the HLG-IGIF (Co-Chair, Sweden)

- b) Member and composition
- Core membership shall comprise the members of the Bureau of UN-GGIM and representatives of Member States, at the highest executive leadership level, from national geospatial information (or related) agencies nominated by the Bureaux of each of the five UN-GGIM Regional Committees.;
 - Membership shall be regionally representative and of equal balance between developed and developing countries, and with due consideration being given to countries in special situations where appropriate;
 - Regional membership composition shall be as follows: Africa (4 members); Americas (4 members); Arab States (2 members); Asia and the Pacific (4 members); and Europe (4 members);
 - Total membership of the HLG-IGIF comprises 22 Member States.



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10

AGENDA ITEM #5

Confirming the Role of the HLG-IGIF (Co-Chair, Sweden)

c) Methods of work

- Principally through electronic exchanges and regular biannual meetings. Additional meetings may be decided by the co-Chairs in consultation with the HLG-IGIF as appropriate. A physical meeting of the Group will be conducted in conjunction with the annual session of UN-GGIM, when feasible.
- Work in an open, inclusive and transparent manner, and will operate with the assistance of a web-space to facilitate collaboration, knowledge management and information sharing.
- May establish sub-groups or task teams, utilizing the expertise and experiences of Member States and relevant experts, including from Regional Commissions of the United Nations and the World Bank, to work on particular aspects of its work.

The Group may also invite experts, as appropriate, from international organizations, academia, civil society, and the private sector to contribute their expertise and experiences on implementation of the IGIF.

d) Confirm and adopt the Terms of Reference



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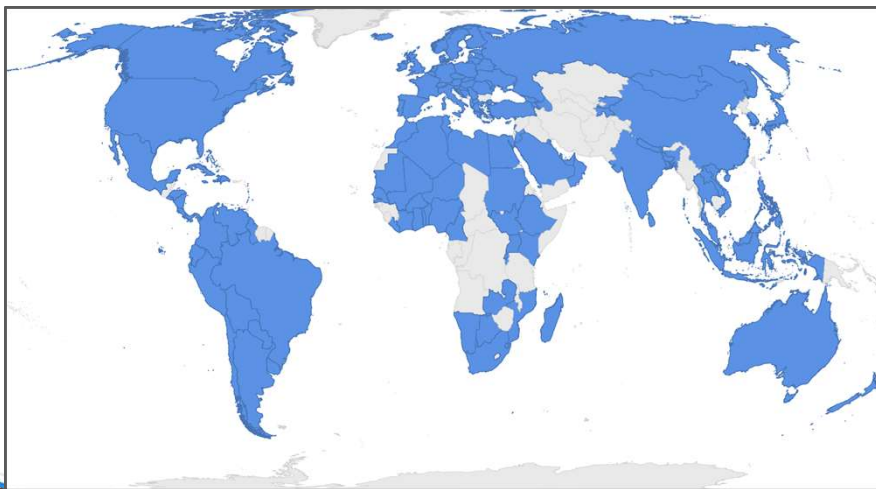
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11

AGENDA ITEM #6

Status of IGIF Implementation (Co-Chair, Sweden)

a) Operationalizing the IGIF, Implementation Guide and Country-level Action Plans (*Secretariat*)



**133 Member
States consulted
on the
IGIF and
Implementation
Guide**



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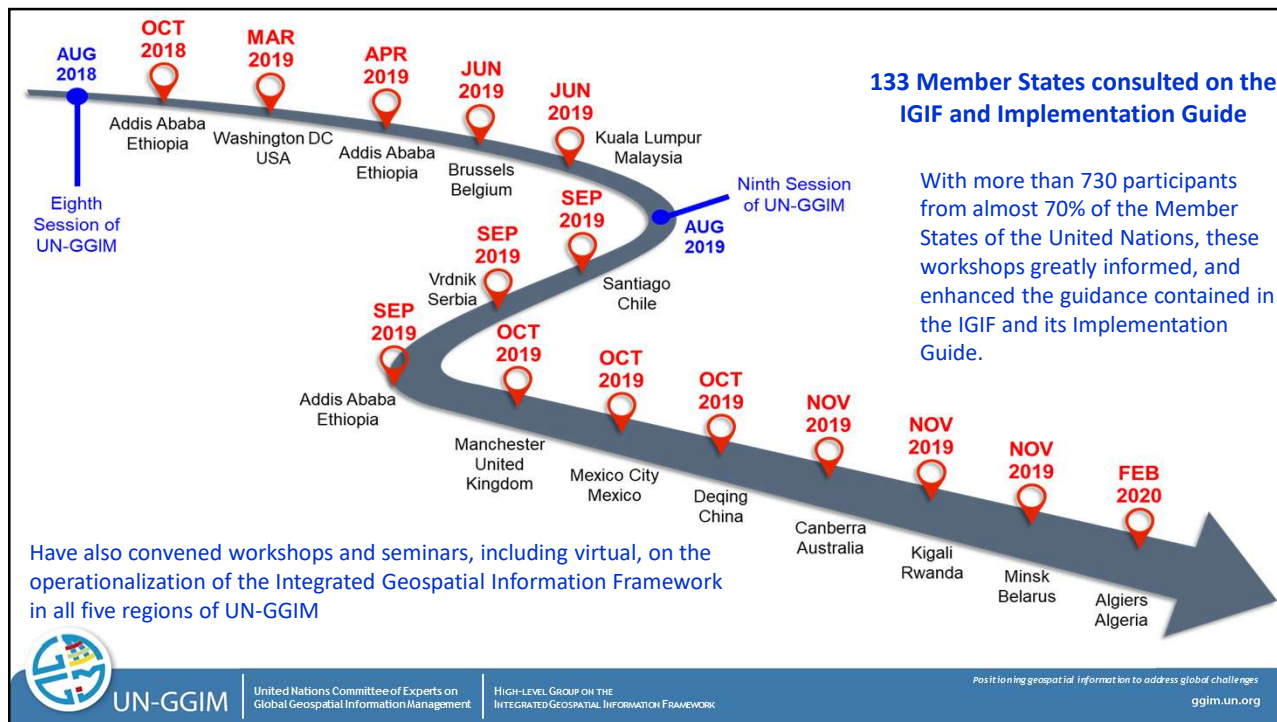
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12



13

IGIF: Implementation Guide Document Availability

Part 2: Implementation Guide describes 'what' actions can be taken to strengthen geospatial information management. The Implementation Guide is a reference resource that provides information for governments to design, plan, establish, implement and maintain nationally integrated geospatial information frameworks in their country in such a way that transformational change is enabled, visible and sustainable. The Implementation Guide provides the specific guidance and options to be taken by countries in implementing the IGIF. Through each of the nine strategic pathways, it guides the user through the approach, content, rationale, options and considerations, principles that align with actions, and sample outcomes for comparison.

- ▶ Solving the Puzzle [English](#)
- ▶ Strategic Pathway 1: Governance and Institutions [English](#) | [Appendices](#)
- ▶ Strategic Pathway 2: Policy and Legal [English](#) | [Appendices](#)
- ▶ Strategic Pathway 3: Financial [English](#) | [Appendices](#)
- ▶ Strategic Pathway 4: Data [English](#) | [Appendices](#)
- ▶ Strategic Pathway 5: Innovation [English](#) | [Appendices](#)
- ▶ Strategic Pathway 6: Standards [English](#) | [Appendices](#)
- ▶ Strategic Pathway 7: Partnerships [English](#) | [Appendices](#)
- ▶ Strategic Pathway 8: Capacity and Education [English](#) | [Appendices](#)
- ▶ Strategic Pathway 9: Communication and Engagement [English](#) | [Appendices](#)

The broad global consultation of the Implementation Guide realized 68 responses, yielding 1350 separate items to review. Many countries, both developed and developing, are now implementing the IGIF and developing Country-level Action Plans, based on the guidance and tools that are presently available. That said, as a living document, there is still more that needs to be done to improve and refine the Implementation Guide.

<http://ggim.un.org/IGIF/part2.cshhtml>

Logos and Footer:

- UN-GGIM logo
- United Nations Committee of Experts on Global Geospatial Information Management
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14

GLOBAL CONSULTATION DRAFT: 23 May 2020

Strategic Pathway 8

Capacity and Education

This strategic pathway establishes enduring capacity development and education programs so that the value and benefits of integrated geospatial information management is sustained for the longer term.

The objective is to raise awareness, build and strengthen knowledge, competencies, skills, instincts, processes, resources, and innovative entrepreneurship for organizations, communities and individuals to utilize geospatial information to the fullest, including government capacities and capabilities for capturing, storing and integrating geospatial information, for evidence based decision-making and effective service delivery.

Summary

Strengthening awareness, knowledge and know-how, improving competencies, skills and instincts with education, training, contextual development, and lifelong learning improves human resource capacities and capabilities for governments, organizations, communities and individuals.

Capacity development is about transformations that empower individuals, leaders, organizations and societies. Capacity development and education programs must be identity-driven, address specific needs and conditions of nations, and reflect national sustainable development strategies and priorities.

There are significant challenges and opportunities to operationalizing programs that sustain integrated geospatial information management. This strategic pathway considers these challenges and opportunities by introducing a change in operations and practice to achieve a degree of shared understanding about the principles and values of capacity development for government, business, entrepreneurs, academia and the community. Culturally appropriate capacity development and education programs strengthen geospatial information management, making a real difference to the well-being of all through good evidence-based policy and decision-making.

Common to all capacity development programs and education systems are four key elements that are required to develop and strengthen the knowledge, competencies, skills, instincts, abilities, processes and resources that governments, organizations, communities and individuals require to utilize geospatial information for decision-making and service delivery. These include embracing new and emerging paradigms and technologies to bring enduring value and benefits to any geospatial information organization.

Strategic Pathway 8: Capacity and Education 3 | Page

GLOBAL CONSULTATION DRAFT: 19 May 2020

The four elements are:

- Awareness** – raises, advocates and promotes the principles, values, needs and benefits of geospatial information via techniques including ‘contact’ courses, on-line courses, and outreach programs involving different interest groups, communities and individuals.
- Formal Education** – offers sound foundation in topics important to understanding concepts of geography and geospatial information management and its application.
- Professional Training** – offers intensive, up-skilling and hands-on experience, and promotes lifelong learning and development needed to sustain geospatial information management. Aids the adoption, adaptation and embracing of new and emerging paradigms, technologies and methods, bringing enduring benefits to a geospatial information organization.
- Entrepreneurship** – encourages capacity through innovative and creative applications, design and launch of start-ups, and operating new business ventures that are critical to vibrant and growing digital economies underpinned by geospatial information.

These elements are underpinned by principles that promote successful capacity development and education programs that can be adopted by each country. The principles are put into practice through several strategic actions that deliver and strengthen capacity and participation to achieve the Integrated Geospatial Information Framework (IGIF). Tools, such as matrices, examples and checklists, are provided in the appendices to assist countries to work through concepts and processes to successfully complete each action. The overall structure for capacity and education is illustrated in and anchored by Figure 8.1.

When implemented the actions (and their interrelated actions) will enable the achievement of the four elements, which in turn will deliver significant and sustainable national outcomes and benefits for a country. These outcomes include attaining:

- Broad geospatial awareness and capabilities at all levels through effective capacity development and education programs;
- Increased adoption and application of geospatial technologies and processes by government, organizations, communities and individuals;
- A stimulus in creativity and innovative solutions to address real-world challenges, economic opportunities and growth, and well-being for society; and
- An increase in the number of primary and secondary school students, post-secondary students and workplace persons equipped with increasing knowledge, proficiencies and instincts in geography and geospatial sciences.

Strategic Pathway 8: Capacity and Education 3 | Page

GLOBAL CONSULTATION DRAFT: 19 May 2020

Elements of Capacity and Education	Awareness	Formal Education	Professional Training	Entrepreneurship
Guiding Principles	Responsible, Relevant, Responsive	Objective, Inclusive, Holistic	Collaborative, Coordinated, Resilient	Innovative, Sustainable, Accountable
Key Actions for Strengthening Geospatial Information Management	Setting Direction Capacity and Education Working Group Target Groups	Consolidating Alternatives Local Government and Academic Studies	Planning for Action Partnerships Institutional Frameworks Technical Programs Outreach Activities	Setting Action Committee of Practice Innovation Hubs Entrepreneurial Industry Entrepreneurship Institutional Frameworks Mentor and Guide
Tools to Assist in Completing the Action	Knowledge Skills, Resource Matrix for Organizations and Teams Capacity Scanning Matrix PST and SWOT Analysis	Incremental Approach to Needs Assessment/Analysis Gap Analysis Approach to Needs Assessment/Analysis PST and SWOT Analysis	Typical Components of a Capacity Development and Education Strategy Types of Capacity Development Approaches Resourcing Success Indicators for Capacity Development	
Intermediate and/or Perspective Actions	Stakeholder Coordination Units (SP1) Specialized Working Groups (SP1) Governance Model (SP1) Design and Devotee (SP2)	Partnerships, Preliminary Screening and Initial Engagement (SP2)	Data Sharing and Dissemination (SP2) Innovation Hubs (SP2) Communication Plan (SP2)	Communication Strategy (SP2) Communication Plan (SP2) Institutional Identification (SP2)
Outcomes	Broad geospatial awareness and capabilities at all levels Increased adoption and application of geospatial technologies and processes	Stimulus in creativity and innovative solutions to address real-world challenges, economic opportunities and growth, and well-being of society	Equipped with increasing knowledge, proficiencies and instincts in geography and geospatial sciences	

Figure 8.1: The overall structure for the Capacity and Education Strategic Pathway – showing the four key elements, guiding principles, actions and intermediate actions, and the tools provided in the Appendices to support and achieve the outcomes.

Strategic Pathway 8: Capacity and Education 3 | Page

Implementation Guide: Consultation draft

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15

REFINED DRAFT: 09 FEB 2021

Strategic Pathway 8

Capacity and Education

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Summary

Strengthening awareness, knowledge and know-how, improving competencies, skills and instincts with education, training, contextual development, and lifelong learning improves human resource capacities and capabilities for governments, organizations and communities, and benefit individuals.

Capacity development is about transformations that empower individuals, leaders, organizations and societies. Capacity development and education programs must be regionally-driven as well as addressing specific country needs and circumstances, contributing to national sustainable development strategies and priorities.

There are significant challenges and opportunities to operationalizing programs that sustain integrated geospatial information management. This strategic pathway considers these challenges and opportunities by introducing a change in operations and practice to achieve a degree of shared understanding about the principles and benefits of enduring capacity development and education programs for government, business, entrepreneurs, academia and the community. Culturally appropriate capacity development and education programs strengthen geospatial information management, making a real difference to the well-being of all through good evidence-based policy and decision-making.

Common to all capacity development programs and education systems are four key elements that are required to develop and strengthen the knowledge, competencies, skills, instincts, abilities, processes and resources that governments, organizations, communities and individuals require to utilize geospatial information for decision-making and service delivery. These include embracing new and emerging paradigms and technologies to bring enduring value and benefits to any geospatial information organization.

The four elements are:

- Awareness** – raises, advocates and promotes the principles, values, needs and benefits of geospatial information via techniques including ‘contact’ courses, online courses, and outreach programs involving different interest groups, communities and individuals.
- Formal Education** – offers sound foundation in topics important to understanding concepts of geography and geospatial science; imparts knowledge, science and technology, and develops competencies, skills and instincts in geospatial information management and its application.
- Professional Training** – offers intensive, up-skilling and hands-on experience, and promotes lifelong learning and development needed to sustain geospatial information management. Aids the adoption, adaptation and embracing of new and emerging paradigms, technologies and methods, bringing enduring benefits to geospatial information organization.
- Entrepreneurship** – encourages capacity through innovative and creative applications, design and launch of start-ups, and operating new business ventures that are critical to vibrant and growing digital economies underpinned by geospatial information.

These elements are underpinned by principles that promote successful capacity development and education programs that can be adopted by each country. The principles are put into practice through several strategic actions that deliver and strengthen capacity and participation to successfully operationalize the Integrated Geospatial Information Framework (IGIF). Resource materials and tools, such as matrices, examples and checklists, are provided in the appendices to assist nations to work through concepts and processes to successfully complete each action. The overall structure for capacity and education is illustrated in and anchored by Figure 8.1.

When implemented the actions (and their interrelated actions) will enable the achievement of the four elements, which in turn will deliver significant and sustainable national outcomes and benefits for a country. These outcomes include attaining:

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Strategic Pathway 8: Capacity and Education 3 | Page

GLOBAL CONSULTATION DRAFT: 19 May 2020

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Figure 8.1: The overall structure for the Capacity and Education Strategic Pathway – showing the four key elements, guiding principles, actions and intermediate actions, and the tools provided in the Appendices to support and achieve the outcomes.

Strategic Pathway 8: Capacity and Education 3 | Page

Implementation Guide: Refined draft

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Activity Gap Analysis Report with Actions

- Completed all the information and take reference of IGIF Implementation Guide to prepare report
- Total 34 Actions are identified

UN-GGIM Project 1819D – systematic guidance

COVID-19 The Response of the Geospatial Information Management Community

The Architect and website developed for the response to Covid-19 in Pacific Islands by Supporting Implementation of UN-GGIM

Conclusion on Assessing and Analyzing National Situation

- A shared understanding of Fiji's current limitations and problems in geospatial information management
- Appreciation of the benefits of geospatial information to Fiji's development initiatives, planning and decision making
- Common view of what the future geospatial information management in Fiji should include

Structure of Tonga CAP

COVID-19 The Response of the Geospatial Information Management Community

Initial response to the COVID-19 pandemic is well understood and set by the national context. The geospatial response to it by the national geospatial community has been a collective, top-down government-led response. Top-level government officials have taken initiatives such as Ministry of Health, Ministry of Home Affairs, Ministry of Agriculture, Ministry of Urban Development, and Construction, Ministry of Transport, Ministry of Information, National Office of Disaster Preparedness, Civil Administration and Regional, District, and Sub-district, Ministry of Education, Training and Technical Services, National Statistics and Census, and the National Information Technology.

Implementation Guide: Benefiting from experience and national circumstances of partnering countries under the UN Development Account project

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17

Integrated Geospatial Information Framework (IGIF)

Strategic Framework on Geospatial Information and Services for Disasters			Global Statistical Geospatial Framework (GSGF)			Framework for Effective Land Administration (FELA)		
Global Fundamental Geospatial Data Themes	Global Geospatial Reference Frame (GGRF)	National Institutional Arrangements in Geospatial Information Management	Role of Standards in Geospatial Information Management	Compendium on Licensing of Geospatial Information	Statement of Shared Guiding Principles for Geospatial Information Management			

Implementing national priorities and programmes, responding and recovering from crises, and the 2030 Agenda for Sustainable Development will be sub-optimal without frameworks, strategies and mechanisms to integrate data and information, providing the evidence for policy- and decision-making, and the measuring, monitoring and reporting processes.

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18

AGENDA ITEM #6

Status of IGIF Implementation (Co-Chair, Sweden)

- b) Publicity, communication and marketing
- c) Coordination and coherence



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AGENDA ITEM #6

Status of IGIF Implementation (Co-Chair, Sweden)

- d) E-learning

WORLD BANK GROUP Open Learning Campus **Ministry of Economy and Finance**

Strengthening Geospatial Information Management: Using the Integrated Geospatial Information Framework

Starts: Jan 18, 2021 | Ends: Feb 12, 2021 | Online

ABOUT THE COURSE

This course introduces the Integrated Geospatial Information Framework. Geospatial information is of vital importance and a cornerstone for digital transformation and innovation. It can help solve complex problems and enhance decision-making and service delivery related to urban planning, land management, transportation management, food risk management, sanitation, health services, disaster response and much more.

Every decision we make, every event or activity we do in our daily lives occurs at a geographic location. Whether we are determining the best site for a new hospital, choosing the location for a new business, taking a community event or responding to an emergency – geospatial information is inherent in informed decision-making.

However, while government collects geospatial data, this information is often not well-integrated and cannot be easily accessed and used. Multidisciplinary teams like climate change, disaster risk reduction, emergency response and Smart Cities require a coordinated effort, across multiple departments and sectors, to share and reuse geospatial information for decision-making.

For this reason, the World Bank and United Nations have collaborated on a Framework to provide a basis and guide for countries to enhance and strengthen their geospatial information management capabilities. This Framework, known as the Integrated Geospatial Information Framework (IGIF). The IGIF was adopted by the United Nations Committee of Experts on Global Geospatial Information Management in 2018 and the Implementation Guide has recently been endorsed with the vision to enhance efficient and effective use of geospatial information to measure, monitor and achieve sustainable social, economic and environmental development, leaving no one behind.

OBJECTIVES

- Understand the value of geospatial information – what it is, how it is used, and importantly, how it supports economic growth, improved social wellbeing and the protection of the environment.
- Achieve an understanding of the Integrated Geospatial Information Framework, the major drivers for its use, and the strategic pathways that guide successful integrated geospatial information management.
- Describe how to use the IGIF Implementation Guide to develop a Country-level Action Plan to strengthen geospatial information management and derive socio-economic benefits.

WORLD BANK GROUP Open Learning Campus **EPOK** **Open Learning Campus** **Open Learning Campus**

Strengthening Geospatial Information Management: Using the Integrated Geospatial Information Framework (IGIF)

March 15 – April 9, 2021

Virtual Knowledge Exchange **REGISTER**

Event Schedule

- Session 1 on Governance**
Live Webinar March 16, 2021
10:00 AM - 11:30 AM (UTC+1)
Self-Paced Week 1
- Session 2 on Technology**
Live Webinar March 23, 2021
10:00 AM - 11:30 AM (UTC+1)
Self-Paced Week 2
- Session 3 on People**
Live Webinar March 30, 2021
10:00 AM - 11:30 AM (UTC+1)
Self-Paced Week 3
- Session 4 on Benefits**
Live Webinar April 6, 2021
10:00 AM - 11:30 AM (UTC+1)
Self-Paced Week 4

About the Event

In the digital era, geospatial information technology has emerged as a major contributor to economic transformation for many countries. Every decision we make, every event or daily activity we do occurs at a geographic location. Geospatial information is inherent in informed decision-making and service delivery related to urban planning, land management, integrated transportation, sustainable land administration and management, health services, urban policy and planning, and much more. Innovative geospatial information technologies are "reshaping" conventional ways for addressing the development and management of different sectors, broadening the culture, education and institutional frameworks along with its evolution. From mapping, disaster response to tracking logistics and planning optimal delivery routes, the geospatial digital services built on geospatial information, GPS and big data have gradually become part of our daily routine.

However, while governments collect geospatial data, this information is often not well-integrated and cannot be easily accessed and used. In order to bridge the "geospatial digital divide" and promote the development of geospatial information technology in the emerging economies, the United Nations Committee of Experts on Global Geospatial Information Management (UN-GGIM), in partnership with the World Bank, adopted the Integrated Geospatial Information Framework (IGIF) in August 2018. The Framework aims to help governments develop, access, manage and use geospatial information, while enabling them to make effective policies to promote economic and social development across priority sectors. Currently, the World Bank Open Learning Campus (OLC) and the United Nations Disaster Risk Management, Resilience and Lead Risk Practice are conducting a series of virtual knowledge learning sessions that focus on the key IGIF topics: Governance, GPS and technology, big data and big data economic benefits.

This series builds on work to package global learning and innovation for leveraging sustainable development and contribute to socio-economic improvements. It will include the efforts of governments, the private sector and academia to address:

- **Component 1: IGIF Strategic Pathways 1, 2 and 3** This session will offer an overview of the development and augmentation of Spatial Data Infrastructure, including policy and legal frameworks for geospatial information management and technology as well as its economic benefits.
- **Technology: IGIF Strategic Pathways 4, 5 and 6** This session will explore data and standardization aspects, including the development of a standards framework, addressing Digital Twin applications, and innovative examples of integrating geospatial information and artificial data.
- **People: IGIF Strategic Pathways 7, 8 and 9** This session will share insights from professionals on how to develop effective communications and outreach campaigns, to foster partnerships to build innovation, and ensuring that the education system is preparing professional practitioners to meet future needs.
- **Benefits** This session offers an overview of the benefits derived from geospatial information technology and management, country level examples and a tutorial on how to calculate the socio-economic impact of national and local levels.

The global virtual event will feature learning in the COVID-19 context, through knowledge exchange and operational examples of using the IGIF concept and leveraging country level experience relevant to UN-GGIM, OLC, Cities and development partners working on these issues across the global North-South cooperation will be offered for this virtual event.



UN-GGIM

United Nations Committee of Experts on
Global Geospatial Information Management

HIGH-LEVEL GROUP ON THE
INTEGRATED GEOSPATIAL INFORMATION FRAMEWORK

Positioning geospatial information to address global challenges

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20

AGENDA ITEM #7

Functions and Initial Programme of Work (Co-Chair, Ethiopia)

- a) Strategic issues to be addressed

- b) Initial programme of work



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21

AGENDA ITEM #8

Other Business (Co-Chair, Ethiopia)

- a) Next meeting

Thank you

Anchored by
nine Strategic Pathways, the
Integrated Geospatial Information
Framework
is a mechanism for articulating and
demonstrating national leadership
in geospatial information, and
the capacity to take positive steps.



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22