

Ninth Session of the Committee of Experts on Global Geospatial Information Management

"Operationalizing the Integrated Geospatial Information Framework"

Tuesday 6 August 2019, Conference Room 4 (CR-4), United Nations Headquarters, New York

The IGIF Journey so far...

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UNSD – World Bank Strategic Partnership Seventh Session of UN-GGIM August 2017





"develop an overarching Geospatial Framework....."

"prepare and implement country level Action Plans....."



ROADMAP FOR COLLABORATION

BETWEEN

WORLD BANK'S GLOBAL PRACTICE ON SOCIAL, URBAN AND RURAL DEVELOPMENT, AND RESILIENCE

AND

UNITED NATIONS STATISTICS DIVISION

TO ASSIST COUNTRIES TO BRIDGE GEOSPATIAL DIGITAL DIVIDE





INTEGRATED GEOSPATIAL INFORMATION FRAMEWORK EIGHTH SESSION OF UN-GGIM AUGUST 2018





The Integrated
Geospatial
Information
Framework provides
a basis and guide for
developing,
integrating and
strengthening
geospatial
information
management.



INTEGRATED GEOSPATIAL INFORMATION FRAMEWORK

A STRATEGIC GUIDE TO DEVELOP AND STRENGTHEN
NATIONAL GEOSPATIAL INFORMATION MANAGEMENT

PART 1: OVERARCHING STRATEGIC FRAMEWORK



The Overarching
Strategic Framework
is a mechanism for
articulating and
demonstrating
national leadership,
cultivating
champions, and
developing the
capacity to take
positive steps.



Integrated Geospatial Information Framework Framework

Why?

Part 1

Implementation Guide
Guide

What?

National (or sub-national)

Segretary Country-level Action Plans

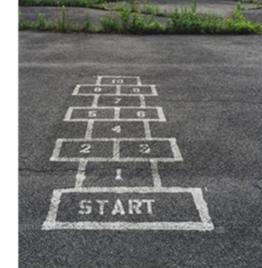
How, when, who?

Part 2 Part 3

The Integrated Geospatial Information Framework (IGIF) comprises 3 separate, but connected, documents. The Overarching Strategic Framework was completed and <u>adopted</u> by UN-GGIM in August 2018. The structure and main elements of the Implementation Guide were provided for discussion, and had 'in-principle' approval by UN-GGIM. The Country-level Action Plans were acknowledged as 'work in progress' and to be developed through case studies.

IGIF: Overarching Strategic Framework

- A forward-looking Framework built on national needs and circumstances.
- Provides the overarching strategic messages and integrated national framework, focusing on policy perspectives and elements of geospatial information.
- Sets the context of 'why' geospatial information management is a critical element of national social and economic development.
- **Vision** and **Mission** statements communicate the overarching aim of the Integrated Geospatial Information Framework.
- The Framework achieves this via 7 Underpinning Principles, 8 Goals and 9 Strategic Pathways that lead to a national approach that takes account of national circumstances, priorities and perspectives.
- The Overarching Strategic Framework is intended for a wide range of stakeholders these primarily being high-level policy and decision makers, institutions and organizations within and across government.



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Overarching Strategic Framework: Vision and Mission

The **Vision** recognizes the responsibility for countries to plan for and provide better outcomes for future generations, and our collective aspiration to 'leave no one behind'.

The Mission is designed to stimulate action towards bridging the geospatial digital divide; to find sustainable solutions for social, economic and environmental development; and to influence inclusive and transformative societal change for all citizens according to national priorities and circumstances.

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.



VISION

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MISSION

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STRATEGIC DRIVERS

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

UNDERPINNING PRINCIPLES

Strategic
Enablement

Transparent and Accountable Reliable, Accessible and Easily Used Collaboration and Cooperation

Integrative Solution

Sustainable and Valued

Leadership and Commitment

GOALS

Effective Geospatial Information Management

Sustainable Education and Training Programs Increased Capacity, Capability and Knowledge Transfer

International Cooperation and Partnerships Leveraged Integrated Geospatial Information Systems and Services

Enhanced National Engagement and Communication Economic Return on Investment

Enriched Societal Value and Benefits



The 8 Goals reflect a future state where countries have the capacity and skills to organize, manage, curate and leverage geospatial information to advance government policy and decision-making capabilities.



The 7 Principles are

and values that

the key characteristics

provide the compass

for implementing the

Framework, and allow

tailored to individual

for methods to be

country needs and

circumstances.

STRATEGIC PATHWAYS

SINALEGICIATIWATS								
Governance and Institutions	Legal and Policy	Financial	Data	Innovation	Standards	Partnerships	Capacity and Education	Communication and Engagement
Governance model Institutional structures Leadership Value proposition	Legislation Implementation and accountability Norms, policies and guides Data protection and licensing	Business model Investment Partnerships and opportunities Benefits realization	Fundamental data themes Data supply chain interlinkages Custodianship, acquisition and management Data curation and delivery	Technological advances Promoting innovation and creativity Process improvement Bridging the digital divide	Legal interoperability Semantic interoperability Data interoperability Technical interoperability	Cross-sector and interdisciplinary cooperation Community participation Industry partnerships and joint ventures International collaboration	Awareness raising Entrepreneurship Formal education Professional workplace training	Stakeholder identification Planning and execution Integrated engagement strategies Monitoring and evaluation

Anchored by 9
Strategic Pathways,
the Framework is a
mechanism for
articulating and
demonstrating
national leadership
in geospatial
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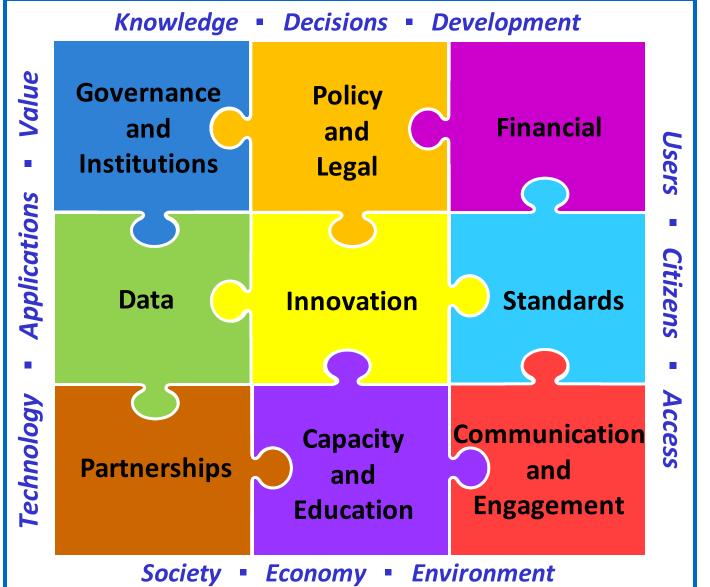
Knowledge | Decisions | Development | Society | Economy | Environment | Users | Citizens | Access | Technology | Applications | Value



Governance |

Technology ____

People





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Summary



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

The Integrated Geospatial Information Framework is a reference guide for <u>developing</u> and <u>strengthening</u> arrangements in national geospatial information management. It has been designed specifically for low to middle income countries and small island developing States. But, it is also being used to <u>improve</u> and <u>coordinate</u> activities to achieve <u>alignment</u> between and across existing national agency capabilities and infrastructures in developed countries.



INTEGRATED GEOSPATIAL INFORMATION FRAMEWORK DEVELOPING THE IMPLEMENTATION GUIDE JANUARY - AUGUST 2019



IGIF: Implementation Guide - Process

- At its Eighth Session in August 2018, the Committee of Experts agreed in principle with the structure and main elements of the Implementation Guide, as the detailed document that will provide the specific guidance and options to be taken in implementing the IGIF.
- Recognizing the urgency of completing the Implementation Guide and Action Plans in a timely manner, the Committee supported the suggestion that the completed documents be provided to the Committee for adoption at this ninth session, in August 2019.
- The Committee further requested a 'broad consultation period' for Member States to review and comment on the Implementation Guide.
- In December 2018, given the time and resources available, and the requirement for broad consultation, UNSD and the World Bank decided it not possible to have the Implementation Guide completed and ready for final adoption by the Committee at this ninth session.
- However, it is intended that a final draft will be ready to initiate the broad global consultation with all Member States and relevant stakeholders by the end of September 2019.



IGIF: Implementation Guide - Foundations

- The Implementation Guide provides the 'what', the specific <u>guidance</u> and <u>options</u> to be taken by countries in implementing the IGIF.It captures strategic to operational needs with guiding principles; while not being detailed and prescriptive Country-level Action Plans do that.
- Expanding on each of the 9 Strategic Pathways, the Guide comprises references, good practices and specific principles and actions for each of the Pathways, including those generated through each of the Subcommittee, Expert and Working Groups of UN-GGIM.
- The aim is to provide guidance for governments to establish 'nationally' integrated geospatial information frameworks in countries in such a way that transformational change is enabled, visible and sustainable. The Guide's benefits will cascade right down to the citizen.
- While intended to benefit low to middle income countries and small island developing States, the Guide can be used to <u>establish</u> and/or <u>improve</u> national geospatial information management arrangements. The Guide can also be used to <u>coordinate</u> activities to achieve alignment between already existing national agency capabilities and infrastructures.



IGIF: Implementation Guide - Consultations

- 19-23 March: Convene Expert Review Group for the zero draft of the Implementation Guide.
- **25 March**: Consultation/Information Session on the zero draft Implementation Guide at World Bank Land and Poverty Conference.
- **22-25 April**: Regional consultation on the draft Implementation Guide with UN-GGIM: Africa and Arab States.
- 22-26 April: FIG Working Week in Hanoi. World Bank convene a session on the IGIF and Action Plans.
- 5-6 June: Regional consultation on the draft Implementation Guide with UN-GGIM: Europe.
- 18-21 June: Expert Review Group for the draft Implementation Guide, Kuala Lumpur, Malaysia.
- 7-9 August: Ninth session of UN-GGIM and IGIF Information Forum convened on 6 August.
- **9-11 September:** Sub-Regional Awareness Raising Workshop on the draft Implementation Guide at ECLAC in Santiago, Chile.
- 30 September: Initiation of global consultation for the Final Draft Implementation Guide.

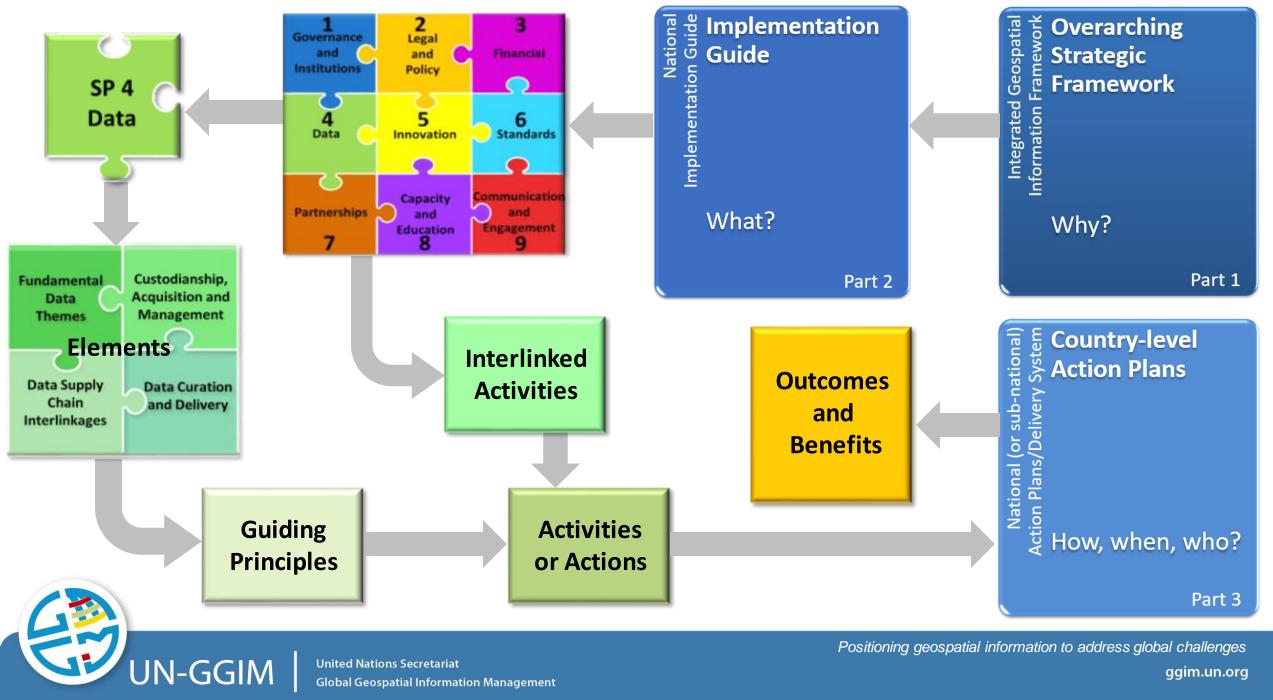


IGIF: Implementation Guide - March 2019

Proposed "structure, shape and form"

- The 'IGIF' pieces and relationships need to be understood: IGIF; Guide; Appendices; Case Studies; Country-level Action Plans, etc. Every country will be different in their response. Every country has a vision and/or strategy. The elements of the Guide will feed into these.
- The initial proposed Guide 'structure, shape and form' is suitable, but expand to 10 Chapters.
- First Chapter will be the Index: To describe and explain the flow and structure of the Guide; bring each of the introductory diagrams together; look at interlinkages across each of the Strategic Pathways; address NSDI perspectives; and articulate the 'level of detail' of the Guide.
- The remaining chapters of the Guide will begin with a Summary (to articulate the value proposition the pathway offers) and an Introduction that includes a schematic flow diagram.









Final Guide Structure for each Strategic Pathway as aligned to that agreed in March 2019

Proposed Document Structure

- Abstract
- Summary
- 1.1 Introduction
- 1.2 Context and Rationale
- 1.3 Approach
- 1.4 Elements
- 1.5 Principles
- 1.6 Actions
- 1.7 Deliverables
- 1.8 Outcomes
- 1.9 Resources



Strategic Pathway 1

Governance and Institutions

This **strategic pathway** establishes the leadership, governance model, institutional arrangements and a clear value proposition to strengthen multi-disciplinary and multi-sectoral participation in, and a commitment to, achieving an Integrated Geospatial Information Framework.

The **objective** is to attain political endorsement, strengthen institutional mandates and build a cooperative data sharing environment through a shared vision and understanding of the value of an Integrated Geospatial Information Framework, and the roles and responsibilities to achieve the vision.

Summary

Geospatial information is increasingly being harnessed to interconnect and integrate government functions and commercial services - making cities more livable, citizens more engaged and informed, and agricultural areas more productive. Traffic congestion, weather reports, air pollution, bus locations, pest monitoring, flood sensors, and electricity outage applications are all underpinned by geospatial information that can be synthesized into a seamless knowledge environment so that information can be accessed quickly by users to make informed decisions. For government this means streamlining operations, reducing costs and improving overall economic and social sustainability.

This level of geospatial capability can only be achieved through cooperative governance frameworks and with strong leadership that penetrates across sectors and through all levels of government. Institutions need to work together to share information and work towards common strategic priorities and goals.

By interconnecting government functions through well-functioning governance frameworks, it is possible to bring together geospatial information from multiple sources so that it can be used seamlessly on a computer, tablet and smartphone.

Good governance and cooperative institutional arrangements are the first priority in the geospatial information reform agenda. They enable geospatial information challenges to be met head on, provide flexibility to accommodate the rapidly changing environment, and the ability to embrace community and business participation within a culture of digital reform.

Common to all governance and institutional arrangements are four key elements that are required to build a cooperative data sharing environment and an appreciation of the value of geospatial information for decision-making.

Strategic Pathway 1: Governance and Institutions

Page I

The first 3 pages of the Chapter define the high-level 'Summary', and can be used as a stand-alone flyer if required.



Strategic Pathway 1

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Strategic Pathway 1: Governance and Institutions

Page | 1





- Governance Model based on a geospatial strategy for the nation and facilitated by governing bodies responsible for aligning and supporting policies and laws affecting the acquisition, creation, management, use, and dissemination of geospatial information.
- Leadership to formulate and sustain a national geospatial information management strategy, develop a country-level action plan for implementing the IGIF, and create a governance process for assuring effective management responsibilities for the enterprise.
- Institutional Arrangements that define roles and responsibilities across government for tasks associated with all aspects of geospatial information management, including appropriate coordination, management and oversight for meeting national priorities.
- Value Proposition that measures, monitors, and communicates the economic benefit of integrated geospatial information to national priorities including citizen and societal benefits.

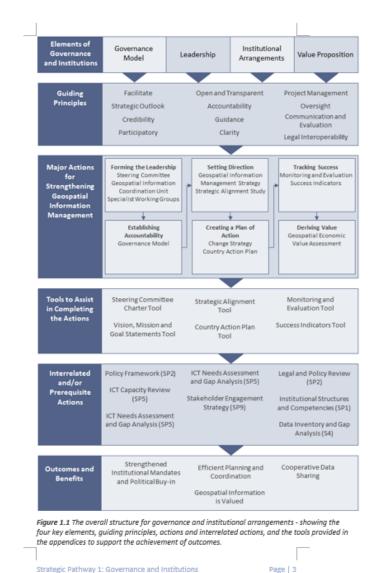
These elements are underpinned by principles that promote successful governance and institutional arrangements that can be adopted by each country. The principles are put into practice through several strategic actions that deliver and strengthen participation and commitment to achieving an Integrated Geospatial Information Framework. 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 governance and institutional arrangements is illustrated in and anchored by Figure 1.1 below.

When implemented the actions (and their interrelated actions¹) 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:

- Efficient planning and coordination of the government's geospatial information resources:
- · Strengthened institutional mandates and political buy-in;
- · A cooperative data sharing environment; and
- A shared understanding of the value of integrated geospatial information management.

Strategic Pathway 1: Governance and Institutions

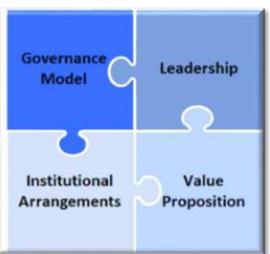
Page | 2

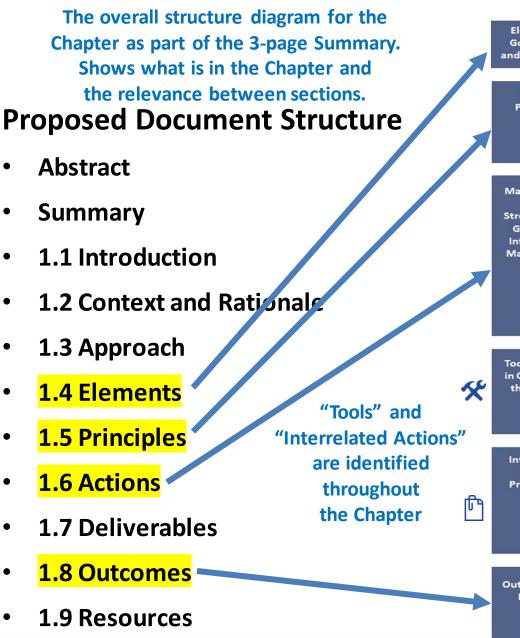


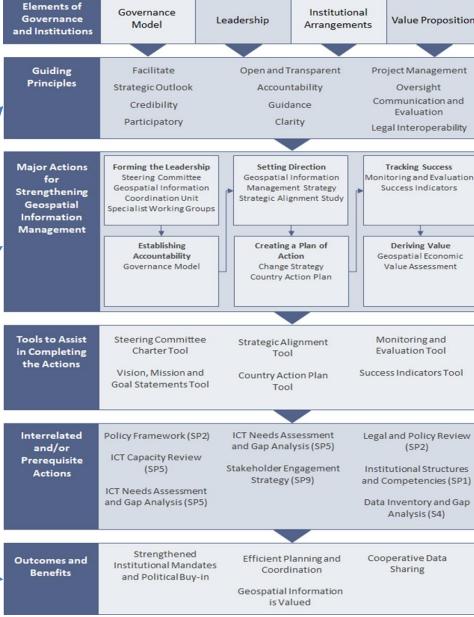
Positioning geospatial information to address global challenges

 $^{^1}$ The interrelated actions across all Strategic Pathways are described in detail in Chapter X, the Index Chapter.











(SP2)

Analysis (S4)

Sharing

Value Proposition

Oversight

Evaluation

Tracking Success

Deriving Value





The 'Approach' to the Chapter. Repeats what is in the Summary diagram, but goes into more detail. Items will be hyperlinked for ease of search and navigation.

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Outcomes

- Efficient planning and coordination of the governments geospatial information resources
- · Strengthened institutional mandates and political buy-in
- · A cooperative data sharing environment
- · A shared understanding of the value of integrated geospatial information management



Elements

- Governance Model
- Leadership
- Institutional Arrangements
- Value Proposition

Principles

- Facilitate
- Strategic Outlook
- Credibility
- Participatory
- · Open and Transparent
- Accountability
- Guidance
- Clarity
- · Project Management
- Oversight
- · Communication and Evaluation
- Legal Interoperability

Interrelated **Actions**

Tools

· Steering Committee

Charter Example

· Guidance for Vision.

Mission and Goal

· Strategic Alignment

Country Action Plan

· Monitoring and Evaluation

· Success Indicators Example

Statements

Template

Template

Template

- · Legal and Policy Review (SP2)
- · Review of Institutional Structures and Competencies
- Data Inventory (SP4)
- Data Gap Analysis (S4)
- · Policy Framework (SP2)
- ICT Capacity Review (SP5)
- · ICT Needs Assessment and Gap Analysis (SP5)
- · Stakeholder Engagement Strategy (SP9)
- Capacity Assessment and Gap Analysis (SP8)
- Business Model (SP2)
- Data Acquisition Program (SP4)
- Formalised Data Supply Chains (SP4)

Forming the Leadership

- · Steering Committee
- Geospatial Information Coordination Unit
- Specialist Working Groups

Establishing Accountability

· Governance Model

- **Setting Direction** Geospatial Information
- Management Strategy · Strategic Alignment Study

Creating a Plan of Action

- Change Strategy
- · Country Action Plan

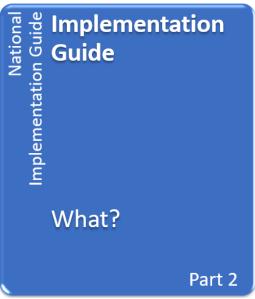
Tracking Success

- · Monitoring and Evaluation
- Success Indicators

Deriving Value

· Geospatial Economic Value Assessment

Positioning geospatial information to address global challenges





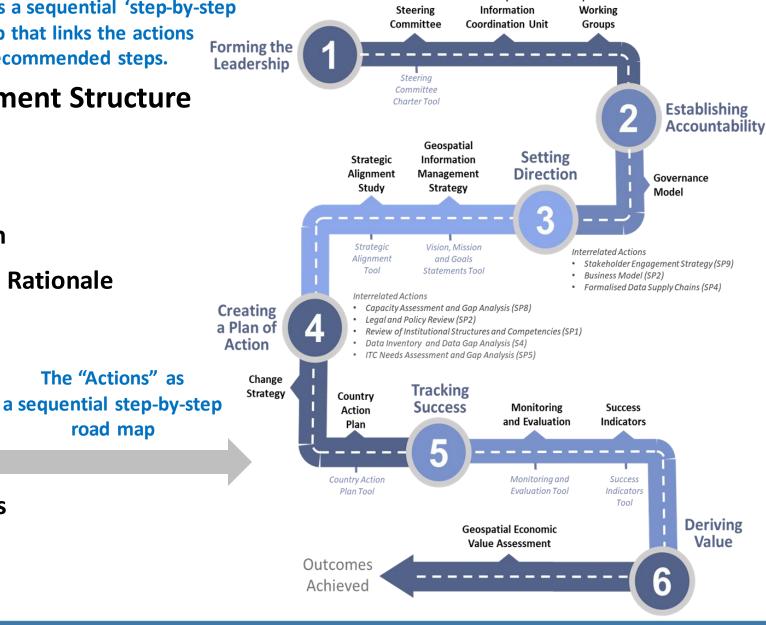
The Actions as a sequential 'step-by-step road map that links the actions and recommended steps.

The "Actions" as

road map

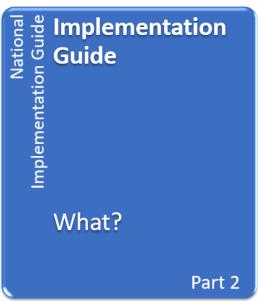
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Geospatial

Specialist

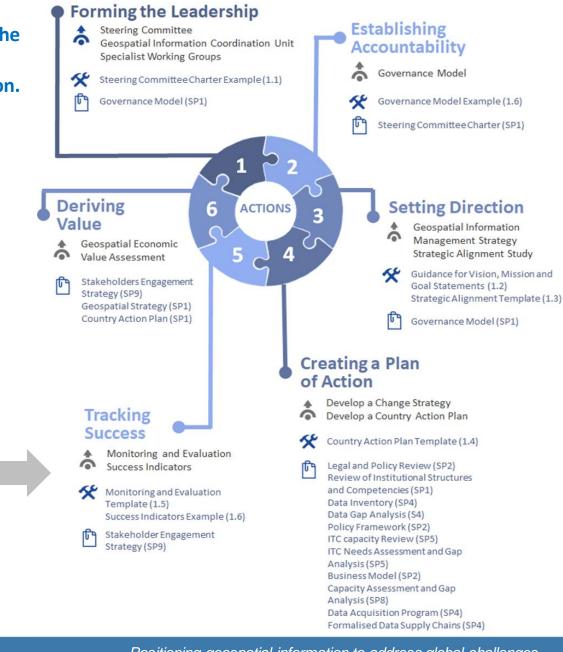




Actions repeated here as a different schematic, but with more detail regarding the 'Tools' and 'Interrelated Actions'. Will be hyperlinked for ease of search and navigation.

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Strategic Pathway 1: Governance and Institutions

Strategic Pathway 4

DATA

This strategic pathway establishes a geo custodianship guidelines for best practice of integrated geospatial information that is sector and multidisciplinary collaboration.

The objective is to enable data cust management, sharing and reuse obligation community through the execution of wellorganizing, planning, acquiring, integral archiving geospatial information.

Summary

Geospatial data is the foundation on which gov It is used in policy development and in the provi use is growing exponentially across all sect intelligence to make timely and accurate decision

Having access to the right data and at the right making. It is data that provides new levels of in future. For this reason, governments, business know they are using the most accurate and a analysis, navigation and visualization - good da

As the amount, variability and availability requirements for 'organized' geospatial data important. Geospatial data has grown in use institution. Every part of government creates a is a nation's 'digital currency', an asset tha designed, and managed to provide enduring quality, accuracy, security and use.

An ecosystem that fosters the proper collection of geospatial data, leads to cutting-edge innova across a range of sectors. Advances can already disaster management and transportation sec enabling the discovery of new patterns and influ and social and cultural norms in a way that enhanced visualizations, analysis and traceabilit

Strategic Pathway 4: Data

Strategic Pathway 7

Partnerships

This strategic pathway establishes cross-sect cooperation, coordination and collaboration government, the geospatial industry1, private s international community, as an important pre sustaining an enduring nationally integrated framework.

The objective is to create and sustain the value of through a culture based on inclusion, trusted alliances that recognize common needs, aspir achieving national priorities and outcomes.

Summary

The 2030 Agenda for Sustainable Development is an "all countries and all stakeholders, acting in colla implement this plan"2. As an integrated plan of identifies Partnerships, along with People, Planet, Pl of its five defining pillars; and with a specific target effective public, public-private and civil society par experience and resourcing strategies of partnerships

Partnerships should always be actively explored. Th strengths and perspectivies that stimuate creativ through unique capabilities, and drive achievemen Partnerships at all levels - international, regional, different but complementary skills, experiences, kno initiative or programme to establish, strengthe information management arrangements. Partnership partnerships and regional and international programs, bring diversity that can increase organizat

Strategic Pathway 7: Partnerships

Strategic Pathway 9

Communication and Engagement

This strategic pathway recognizes that stakeholder identific engagement and strategic communication are essential to success integrated geospatial information management arrangements nation nationally for sustainable social, economic and environmental develop

The objective is to ensure effective communication and engagement and deepen participation and contributions from all stakeholders and Commitment, mutual understanding, collaboration, cooper communication are essential to successfully implement the Integrate Information Framework within organizations and with stakeholders.

Summary

Communications and engagement develop and sustains effective, collaborative relationships with stakeholders. Successfully und persuades stakeholders to invest in geospatial information and its app

Communication and engagement raise awareness and advocacommunity, businesses, professionals, decision makers and politic relevance, contributions and benefits of integrated geospatial management at all levels. It does so in the midst of rapidly changing so and economic outlooks and against a backdrop of many competing ag

Gaining political and fiscal recognition of the need for integrated information is a challenge faced from local to global levels. The effective communication strategy and implementation plan cannot be towards ensuring a successful geospatial program. Adopting a st professional communications approach, telling inspiring and relevant finding champions is not familiar terrain for the geospatial commun absolutely critical. This strategic pathway aims to help address this sh

Common to all communication and engagement programs are four k that are required to build commitment, mutual understanding and between stakeholders to successfully implement the Integrated Information Framework. The four elements are:

- Stakeholder and User Engagement identifies and develops remaining and alliances with advocates, partners, users and th Stakeholder and user engagement should be ongoing as inte and motivations are diverse and will continually evolve over t
- Strategic Messaging and Engagement seeks to develop the clear, succinct and compelling messages to all audiences and to engender initial buy-in and retain support during implemen

Strategic Pathway 9: Communication and Engagement



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¹ In some countries and regions, Africa in particular, the term 'g inclusive term that captures the entire geospatial sector as a 'ge

Preamble of the United Nations General Assembly Resolution the 2030 Agenda for Sustainable Development

Target 17.17 under Goal 17 - strengthen the means of impler global partnership for sustainable development.

IGIF: Implementation Guide - First Chapter

- Chapter title: Solving the Puzzle: Understanding the Implementation Guide
- Introduction elaborates: What is the Framework, the Implementation Guide, the relationships with the Overarching Strategic Framework and the Country-level Action Plans. What is the purpose of the Implementation Guide, what is it to be used for and how we got here?
- 'Solving the Puzzle' Chapter will contain nine sections, namely:
 - 1. Executive Summary;
 - 2. Introduction;
 - 3. Describing the Guide;
 - 4. Examples of How the Guide will be Used and Managed;
 - 5. Describing the Strategic Pathways;
 - 6. How to Use the Guide;
 - 7. Country-level Action Plans;
 - 8. Benefits; and
 - 9. Interlinkages.



Strategic Pathways	Content created and provided	Review – Content and editorial	Review – Consistency and proofing	First Draft ready	
Solving the Puzzle		8	8	8	
#1 – Governance and Institutions					
#2 – Policy and Legal					
#3 – Financial					
#4 – Data					
#5 – Innovation		8	8	8	
#6 – Standards		8	8	8	
#7 – Partnerships					
#8 – Capacity and Education					
#9 – Communication and Engagement					

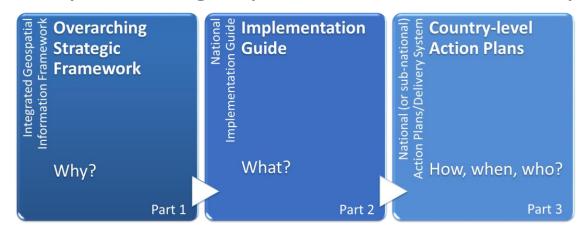


INTEGRATED GEOSPATIAL INFORMATION FRAMEWORK DEVELOPING THE COUNTRY-LEVEL ACTION PLANS JANUARY - AUGUST 2019



IGIF: Country-level Action Plans

- Part 3: Country-level Action Plans reference the specific guidance, options and actions
 provided in the Implementation Guide and addresses each of the 9 strategic pathways to
 capture strategic-to-operational needs of a country when implementing the Framework.
- Country-level Action Plans are now being developed in parallel, and in coordination with, the Implementation Guide. They are being implemented in several ways.

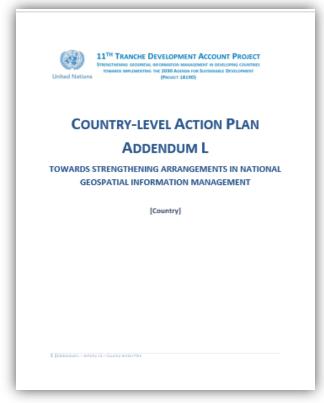


- Part 1: Overarching Strategic Framework **WHY** geospatial information management needs to be strengthened.
- Part 2: Implementation Guide WHAT types of actions can be undertaken to strengthen geospatial information management.
- Part 3: Country-level Action Plans HOW the actions will be carried out, WHEN and by WHOM.

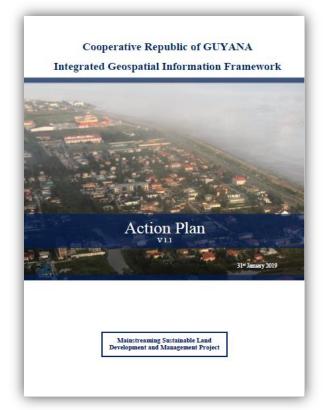


IGIF: Country-level Action Plans - Approaches

UNSD and World Bank are actively engaged in assisting countries to develop Country-level Action Plans



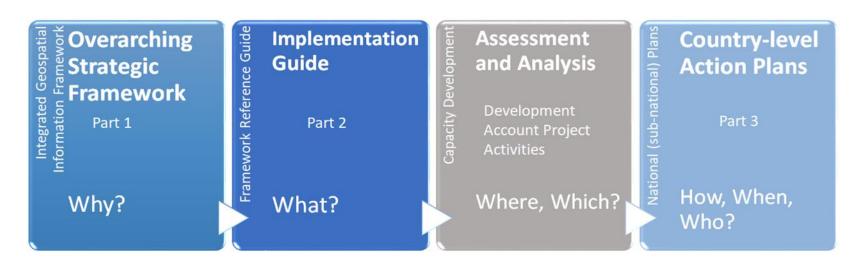
Development Account Project
UNSD
(self-paced learning and execution)



Technical Assistance Programs
World Bank and FAO
(assisted execution)

IGIF: Country-level Action Plans

From Implementation Guidance to Action

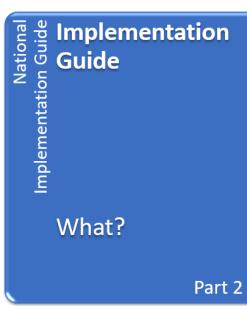


- Part 1: Overarching Strategic Framework **WHY** geospatial information management needs to be strengthened.
- Part 2: Implementation Guide **WHAT** types of <u>actions</u> can be undertaken to strengthen geospatial information management.

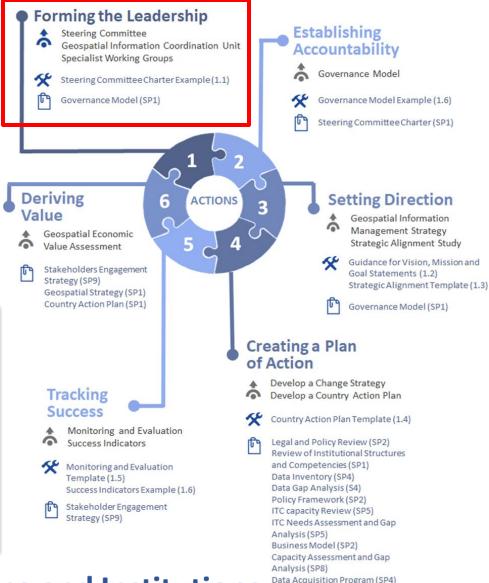
Assessment and Analysis Tools – capacity building (learning) activities to work out **WHICH** actions are a priority and **WHERE** they will have most impact.

Part 3: Country-level Action Plans – **HOW** the actions will be carried out, **WHEN** and by **WHOM**.

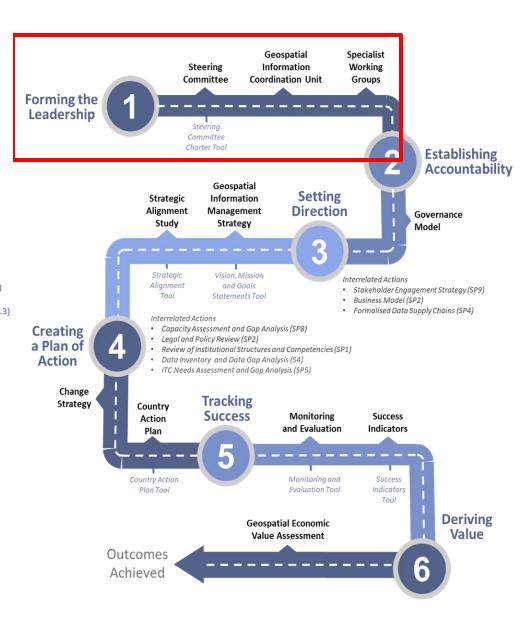








Formalised Data Supply Chains (SP4)



Governance and Institutions

Positioning geospatial information to address global challenges

IGIF: Country-level Action Plans - Under the cover

SP1. **GOVERNANCE AND INSTITUTIONS**

Establish leadership, governance model, institutional arrangements and a clear value proposition to achieve multi-disciplinary and multisectoral participation and commitment.

1.1 AGENCIES INVOLVED

In this section, identify the stakeholder with interest or responsibilities for Strategic Pathway Actions. For

Lead Ministry: Ministry of Land and Land Development

Implementation Agency: NSDI Working Group on behalf of government.

Stakeholder Community: Organisations responsible for generating data, such as the Survey Department, Land and Land Use Policy Development, Forestry Department, Census and Statistics Department; and government departments who are significant users of geospatial information.

CONTACT PERSONS

In this section, identify the person/s to be contracted for more information on the Strategic Pathway Actions. For example: Additional Secretary, Ministry for Land and Land Development

BACKGROUND AND RATIONALE

In this section, provide information for the reader so that they understand why the activities have been identified. This section includes a brief statement on the current situation and gaps in capabilities.

For example: Institutional coordination and collaboration are to be strengthened in order to strengthen integrated geospatial information management. Currently, institutional arrangements are based on official channels of information flows. The approach is subject to a high degree of bureaucracy for data requests, preparation and signing of agreements, and data transfers. Delays are frequent and the process

Fast tracking procedures is possible in the event of emergencies. However, the process is reliant on personal relationships, which while assisting with communication and action, can collapse when changes in personnel occur.

There is a need to develop enduring underpinning structures. The emerging changes in the geospatial information industry require new governance arrangements that take into account the balance between public and private sectors, data sources and data users. It is also important to recognise the potential contribution from research and development bodies.

12 Addendum L - Activity 13 - Country Action Plan

Require regular cross-sector and cross-committee reporting and monitoring, complemented by reevaluation of performance expectations and adjustments where necessary.

In this section, list the actions and tasks that you will deliver. These actions can then be incorporated into a Gantt chart (see section below).

Actions are to be determined through the [Country] Needs Assessment and Gap Analysis.

ation Coordination Unit (or Office) as the Use the Integrated Geospatial Information Framework Part 2: Implementation Guide as a refer determine what activities can be implemented to address apple

determine wi	hat activities can be impl	emented to address o	t teformation Coordinate in integrated geospatia
follows.			Establish the [Country] Geospatial Information Coordinates all integrated geospatial
Action 1.	Establish the [central hub fo information act	ACCION	central hub for the
	o Seek Admini		information activities. Seek Administration and/or Cabinet Approval Seek Administration and/or Cabinet Approval
	 Establish the 		seek Administration and/or
	o Develop Tern		Seek Administrational structure Establish the organisational structure Toles and responsibilities and code of conduct.
	o Determine n permanent/pa		Seek Administrational structure Establish the organisational structure Terms of Reference, roles and responsibilities and code of conduct. Descriptions of Reference, roles and responsibilities and code of conduct. Terms of Reference, roles and responsibilities and code of conduct.

- for O Determine number of staff required and create Position (job)
- permanent/part-time roles Identify funding required for resourcing the office
- Identify staff delegations and reporting structure

Establish Leadership Committees Action 2.

o Develop Terms of Reference, and roles and responsibilities

o Frequency of Meetings, and Monitoring and Reporting Structure

Develop a Governance Model - that defines the roles and responsibilities of key institutions, and processes and procedures

Develop a National Geospatial Information Strategy Conduct a Geospatial Socio-Economic Value Assessment

Develop a Monitoring and Evaluation Framework (This document – Section 12)

14 Addendum L - Activity 13 - Country Action Plan

Identify fundir

Identify staff of

Establish Leadershi

Appoint an Exe

Establish Specia

Establish an NSD

Designate an NSI

Seek Cabinet App

 Identify Committe Support

financial working

Detailed IGIF Guidance embedded within Country-level Action Plan





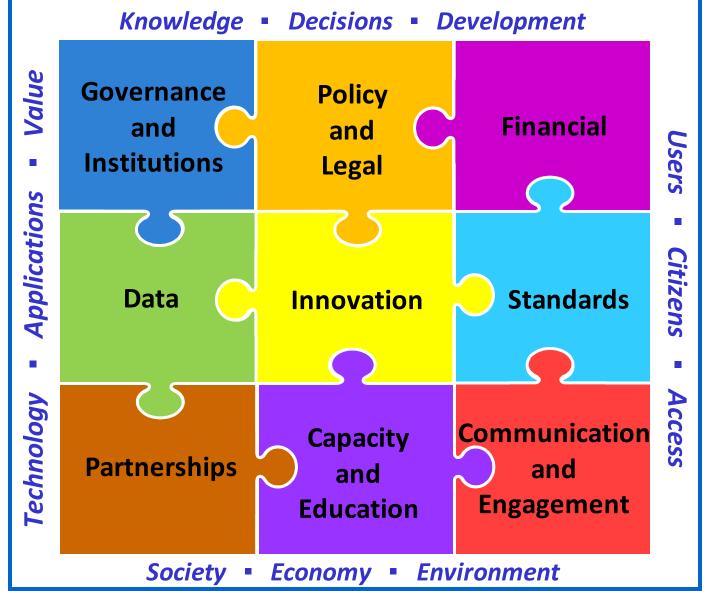
INTEGRATED GEOSPATIAL INFORMATION FRAMEWORK ROADMAP AHEAD



Governance

Technology ____

People





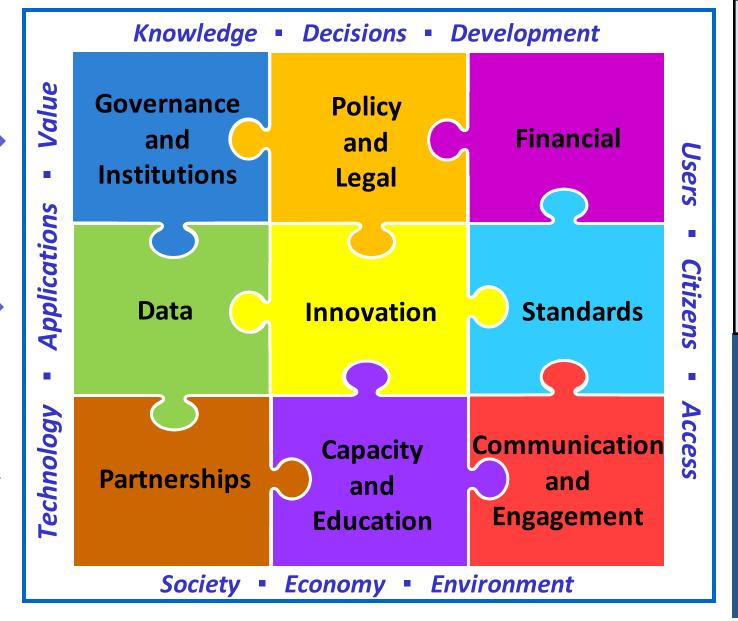
Anchored by 9
Strategic Pathways,
the Framework is a
mechanism for
articulating and
demonstrating
national leadership
in geospatial
information, and
the capacity to take
positive steps.

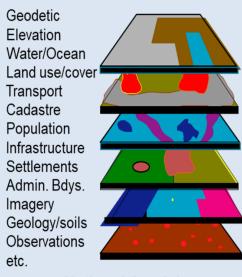


Governance _____

Technology ____

People





National Spatial

Data Infrastructure

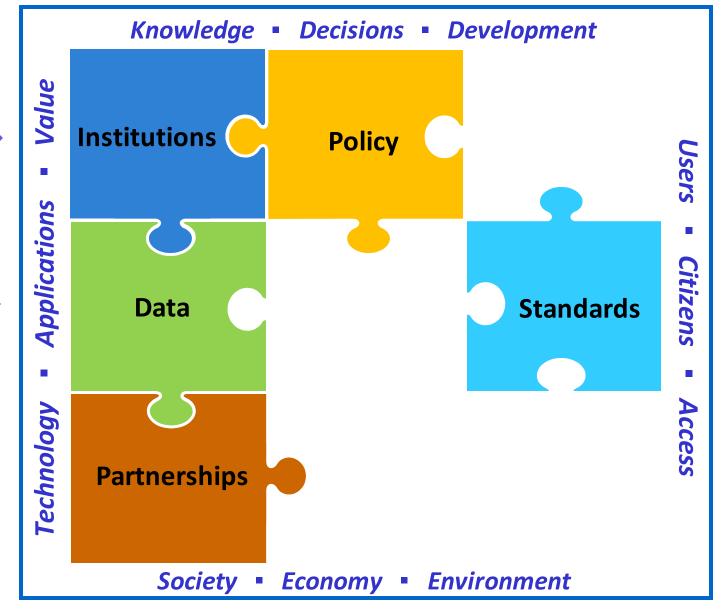
The Framework will augment and build upon existing NSDI arrangements, providing a holistic, integrated national information systemof-systems approach to the data life cycle

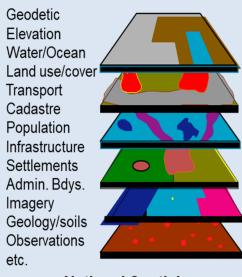


Governance ____

Technology ____

People





National Spatial

Data Infrastructure

"The technology, policies, standards, human resources and related activities to acquire, process, distribute, use, maintain and preserve spatial data" (OMB 2002).



Implementation Guide - Roadmap Update

- 7-9 August: Ninth session of UN-GGIM and Information Forum on 6 August.
- **9-11 September:** Sub-Regional Awareness Raising Workshop on the draft Implementation Guide at ECLAC in Santiago, Chile.
- 30 September: Initiation of global consultation for the Final Draft Implementation Guide.
- 11 October: Regional consultation on the Draft Implementation Guide with UN-GGIM Americas at its Sixth Plenary Meeting in Mexico City, Mexico.
- 4-5 November: Regional consultation on the Draft Implementation Guide with UN-GGIM Asia-Pacific at its Eighth Plenary Meeting in Canberra, Australia.
- 18-20 November: Regional consultation on the Draft Implementation Guide with UN-GGIM Africa at its Sixth Plenary Meeting in Kigali, Rwanda.
- **31 December**: Global consultation for the Final Draft Implementation Guide concludes.
- 15-16 February 2020: Regional Awareness Raising Workshop on the Implementation Guide with UN-GGIM Arab States, preceding its Seventh Plenary Meeting (17-19 February) in Algiers, Algeria.
- **31 March 2020**: Final Implementation Guide completed. To be launched at the UN-GGIM HLF in UK in April 2020. Formally adopted by UN-GGIM at tenth session in August 2020.

IGIF: Report to this Ninth Session

The Committee of Experts will be invited to:

- a) Take note of the submitted report and express its views on the activities and progress of the Integrated Geospatial Information Framework and its Part 2: Implementation Guide;
- b) Express its views on the process of the expert consultative meetings and the subsequent preparations of the Implementation Guide and the ensuing global consultation;
- c) Express its views and provide guidance on the way forward for Part 3: Country-level Action Plans, with expert support from UNSD, the World Bank and a number of pilot countries; and
- d) Provide any further guidance regarding the way forward on new developments regarding strengthening national geospatial information management, and to assist countries to bridge the geospatial digital divide.





