

Implementing the Strategic Framework on Geospatial Information and Services for Disasters in the Americas UNECLAC and UN-GGIM: Americas, Tuesday, 4 August 2020, 11:00am - 1:00pm

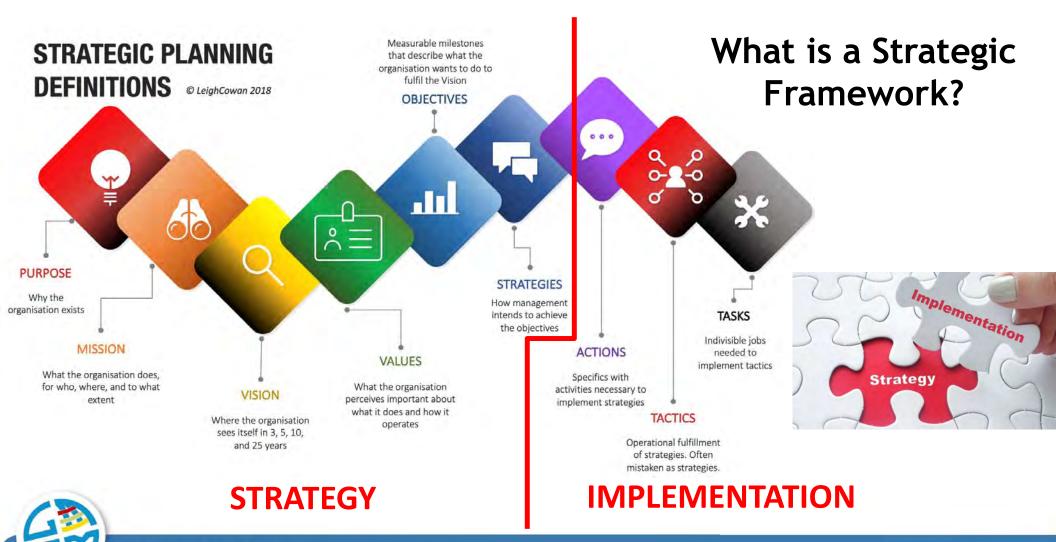
IGIF Implementation Guide: Enabling the implementation of the Strategic Framework on Disasters at the country level

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UN-GGIM

Global Development **Frameworks**

2030 Agenda for Sustainable Development

Sendai Framework for Disaster Risk Reduction 2015-2030

SAMOA Pathway for **SIDS**

Addis Ababa Action Agenda

HABITAT III New Urban Agenda

Paris Agreement on

Climate Change

Our Ocean, Our Future: Call for Action

Global Geospatial **Frameworks**

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)

Fundamental Data Themes

Reference Frame (GGRF)

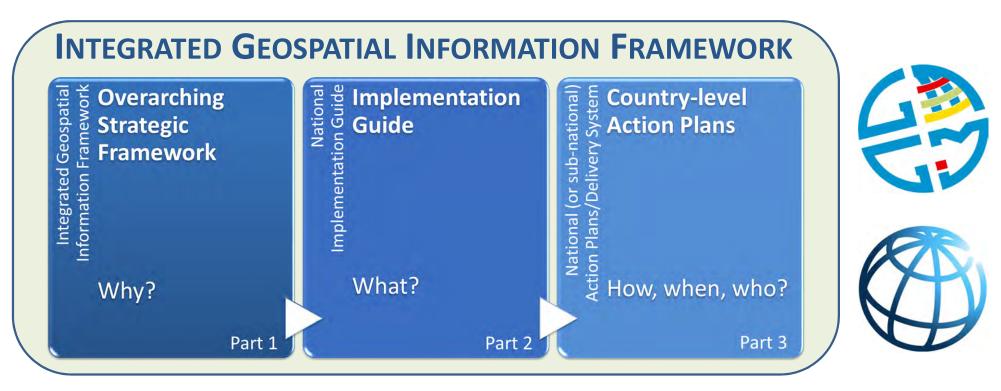
National Institutional **Arrangements** in Geospatial

Role of

Compendium on Licensing of Information

Future Trends in Geospatial





Part 1: Overarching Strategic Framework - WHY geospatial information is a critical element of national social and economic development, and needs to be strengthened.

Part 2: Implementation Guide - WHAT <u>actions</u> can be taken to strengthen geospatial information management.

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



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.

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

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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 for methods to be

tailored to individual

country needs and

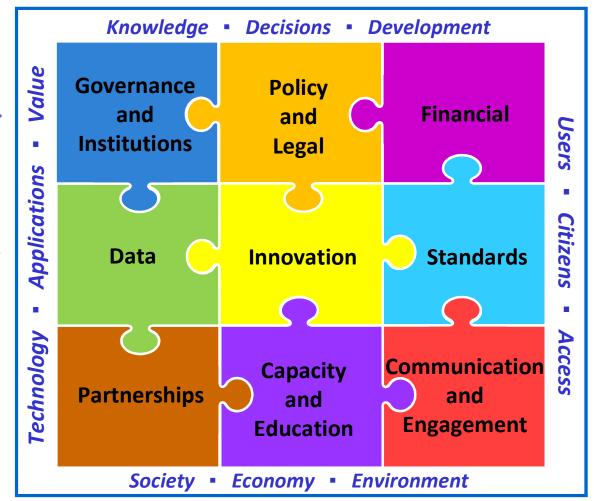
circumstances.

9 Strategic Pathways

Governance ____

Technology ____

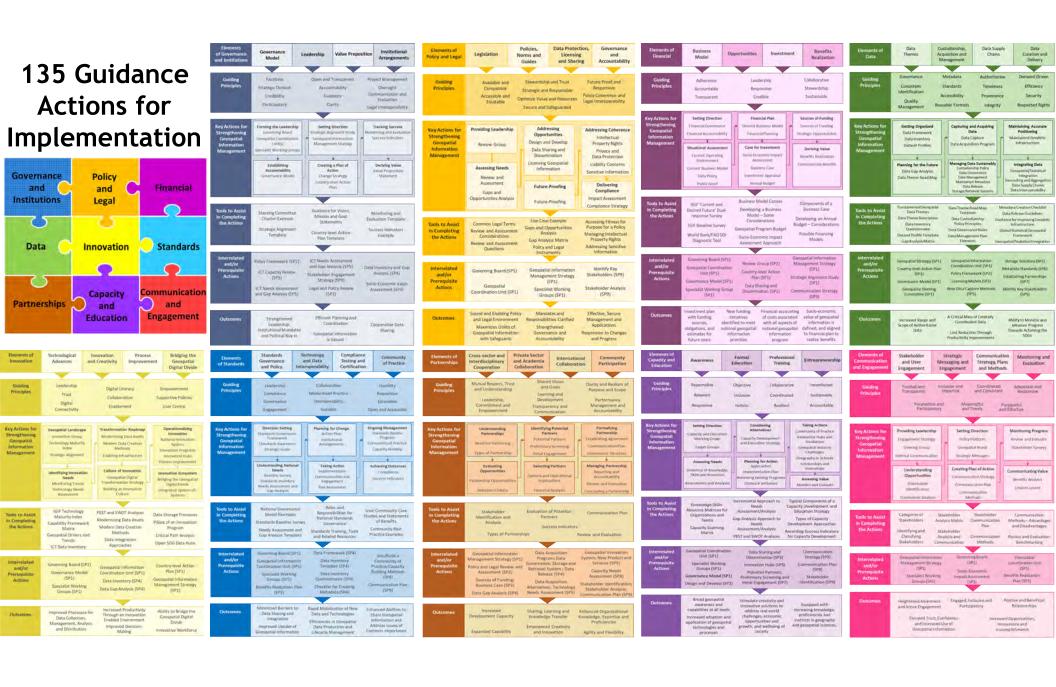
People





Anchored by 9
Strategic Pathways,
the IGIF is a
mechanism for
articulating and
demonstrating
national leadership
in geospatial
information, and the
capacity to take
positive steps. The
Strategic Pathways
'implement' the IGIF
through actions.





IGIF: Country-level Action Plans (CAPs)

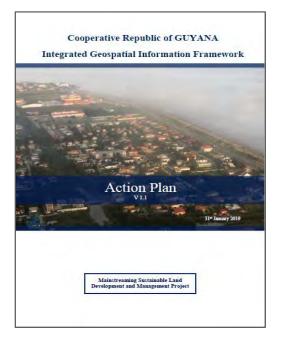
- Country-level Action Plans (CAPs) describe HOW the actions will be carried out, WHEN and by WHOM.
- A CAP provide the process to build an IGIF for a nation, beginning with specific plans that align with a nation's priorities and circumstances.
- A CAP references the specific guidance, options and actions provided in the Implementation Guide and addresses each of the Strategic Pathways, while taking into account the strategic and operational needs of a country when implementing the Framework.
- The CAP is a plan, not a programme that is implemented. The CAPs 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.
- The CAPs will include elements such as the economic impact and value of geospatial information systems, identification of investment needs and priorities, and sequenced implementation options.

IGIF: Country-level Action Plans - Approaches

United Nations and the 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)

Strategic Framework on Geospatial Information and Services for Disasters

Scope and Purpose

The strategic framework aims to guide all stakeholders and partners in the management of geospatial information and services in all phases of disaster risk management

Expected Outcome

The social, economic, and environmental risks and impacts of disasters are prevented or reduced through the use of geospatial information and services

Goal

Quality geospatial information and services are available and accessible in a timely and coordinated way to support decision-making and operations within and among all stakeholders and partners and in all phases of disaster risk management

Priorities for Action

Member States with the support of regional and international organizations as well as other relevant organizations should focus their action on the following 5 priorities for action



Priority 1 Governance and Policies

Policies, collaborative agreements and legal frameworks aiming at improving the availability and accessibility of quality geospatial information and services among all stakeholders and partners established and implemented in all phases of DRM



Priority 2 Awareness Raising and Capacity Building

Awareness is raised among concerned entities on the importance of geospatial information and services and all necessary technical and human capacities are built and/or strengthened



Priority 3 Data Management

Geospatial databases and information products are developed based on common standards, protocols and processes as important tools in every decision-making process across all phases of DRM



Priority 4 Common Infrastructure and Services

Common facilities and services are established for all key stakeholders and partners to have a common operational picture of emergency scenarios



Priority 5 Resource Mobilization

All necessary technical, human and financial resources are available to sustain all the activities of DRM

During disaster situations, the datasharing mechanism to support decisionmaking is generally not in place. As a result, the many actors and stakeholders simultaneously engaged in response are not only gathering volumes of concurrent and inconsistent geospatial datasets, but they are also concerned with issues of coordination and communication. This underscores the strong relevance of a Strategic Framework.

Guiding Principles

The strategic framework is guided by the 2030 Agenda for Sustainable Development, International Strategy for Disaster Reduction, Sendai Framework for Disaster Risk Reduction (2015-2030), the UN-GGIM Global Statistical Geospatial Framework, UN General Assembly resolution on international cooperation on humanitarian assistance in the field of natural disasters, from relief to development and other relevant instruments. It is also guided by the principles of open data and requirements of national data infrastructure, and by the UN-GGIM's Statement of Shared Guiding Principles for the Management of Geospatial Information.



WHAT specific actions need to be taken for implementation of the Strategic Framework, and **HOW** will the actions be carried out, WHEN and by WHOM?

VI. Implementation

- 34. Geospatial information and services contribute vastly to the overarching effort of preventing or reducing the social, economic, and environmental impacts of disasters. Thus, Member States and other stakeholders should prioritize a geospatially-oriented agenda in their respective development plans and programs.
- 35. Member States and other stakeholders should commit themselves to the full implementation of the priorities for action by improving their current capacities in providing geospatial information and services across all phases of DRM and actively promoting the goals of the five priorities for action, and translate the same into national
 - 36. A participatory and inclusive approach in generating, improving and managing geospatial information should be employed by all entities involved in DRM efforts.
 - 37. Managing geospatial information and services before, during and after disasters will require all Member States and other stakeholders to institutionalize good governance practices and science-based policies supported by improved capacities on human resource, infrastructure and geospatial data management, among others.
 - 38. In support to the Sendai Framework for Disaster Risk Reduction (2015-2030), international cooperation should be recognized as a critical element in managing geospatial information and services before, during and after disasters, and thus implementing the provisions of the strategic framework. Adopting best practices and identifying champions among Member States will augment their existing capacities in using geospatial information and services across all phases of the DRM.

This Strategic Framework is not only timely in view of the increasing number and impact of disasters, but also contributes to the Member States' implementation of the Sendai Framework for **Disaster Risk Reduction 2015-**2030.





Governance and Policies







Awareness Raising and **Capacity Building**

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Partnerships



Data Management

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- Data a and
- Di Standards elines.



Common Infrastructure and **Services**

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SV Standards data and ong all actc

Positi

Financial atia Information to add



Resource **Mobilization**

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Financial

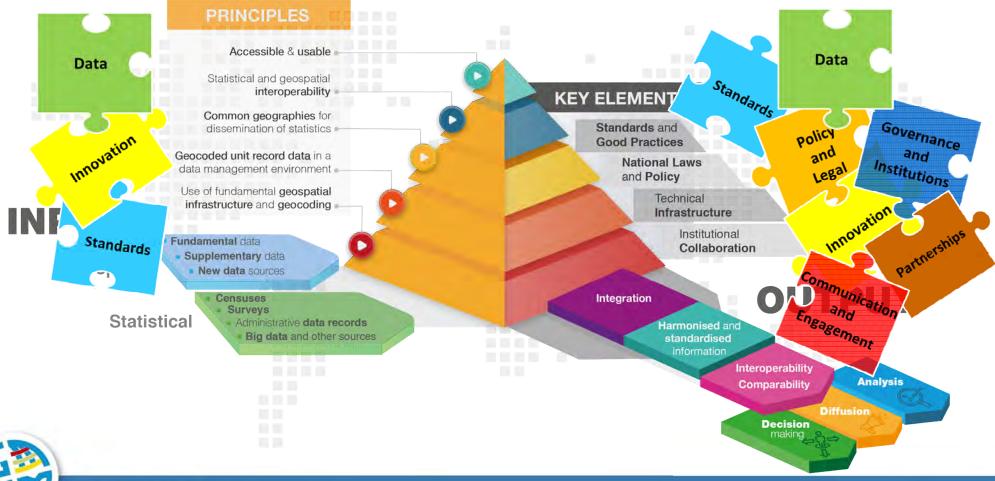
Communication and Engagement

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UN-GGIM

United Nations Secretariat Global Geospatial Information Management

Global Statistical Geospatial Framework (GSGF)



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Transforming our world -The 2030 Agenda for Sustainable Development





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Global Fundamental Geospatial Data Themes Global Geodetic Reference Frame (GGRF) National Institutional Arrangements in Geospatial Information Management Role of Standards in Geospatial Information Management

Compendium on Licensing of Geospatial Information Future Trends in Geospatial Information Management Reports



