

Virtual Regional Seminar on Operationalizing the IGIF in Asia and the Pacific 25 November and 2 December 2020

Nationally Integrated Geospatial Information Management for Evidence-Based Policies and Decisions

Greg Scott, UN-GGIM Secretariat

Environmental Statistics and Geospatial Information Branch
United Nations Statistics Division
Department of Economic and Social Affairs
United Nations, New York







"Location underpins everything we do...and its <u>integration</u> with other data of importance to our lives is key to providing better and more useful information, knowledge, insights, and shared understanding...which in turn will enable us to so much better achieve the SDGs and other important international to local goals"



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)

Global Fundamental Geospatial **Data Themes**

Global Geodetic Reference Frame (GGRF)

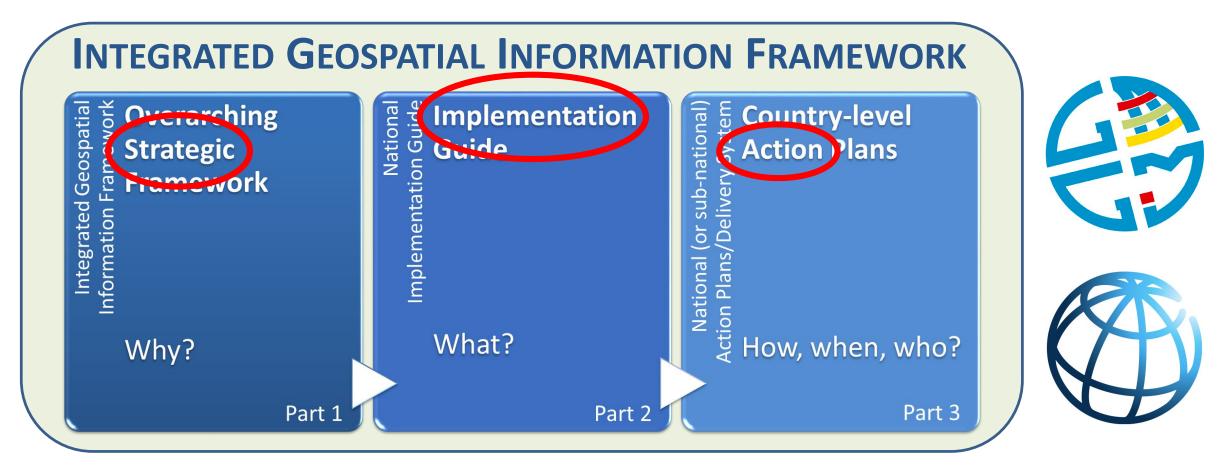
National Institutional **Arrangements** in Geospatial Information Management

Role of Standards in Geospatial Information Management

Compendium on Licensing of Geospatial Information

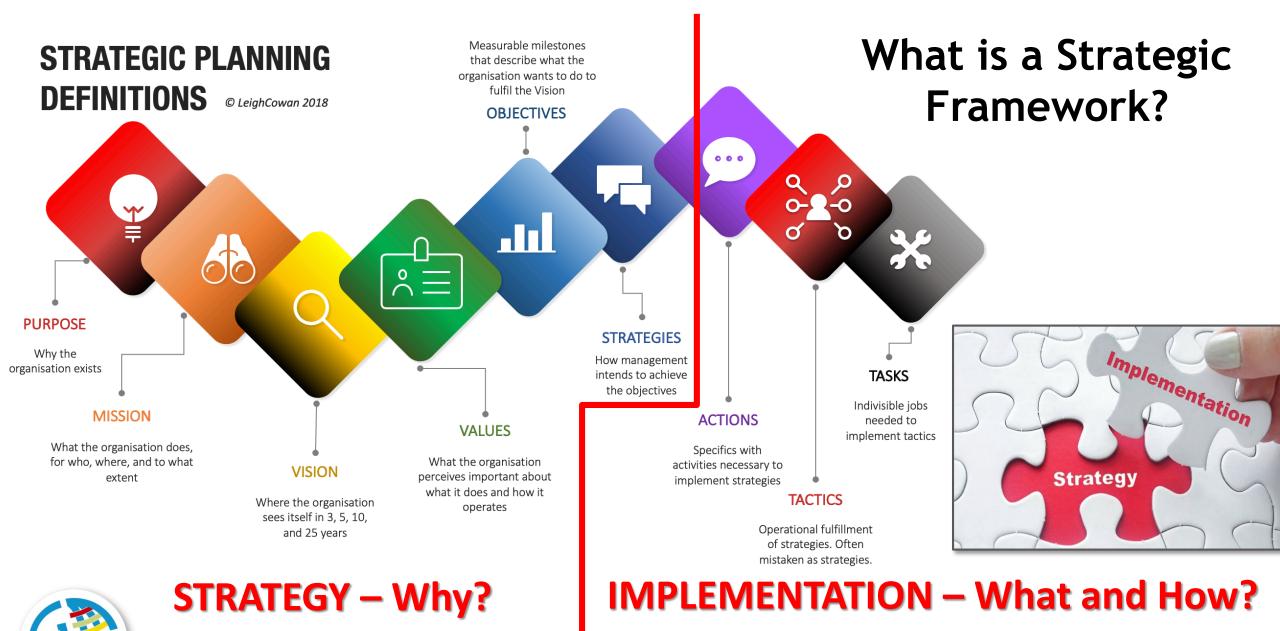
Statement of Shared Guiding Principles for Geospatial Information Management





- 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 actions 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.

http://ggim.un.org/IGIF/



JN-GGIM



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.



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

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

Strategic Enablement Transparent and Accountable Reliable, Accessible and Easily Used

Collaboration and Cooperation

Integrative Solution Sustainable and Valued

Leadership and Commitment

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.

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 7 Principles are

and values that

the key characteristics

provide the compass

for implementing the

Framework, and allow

for methods to be

country needs and

circumstances.

tailored to individual

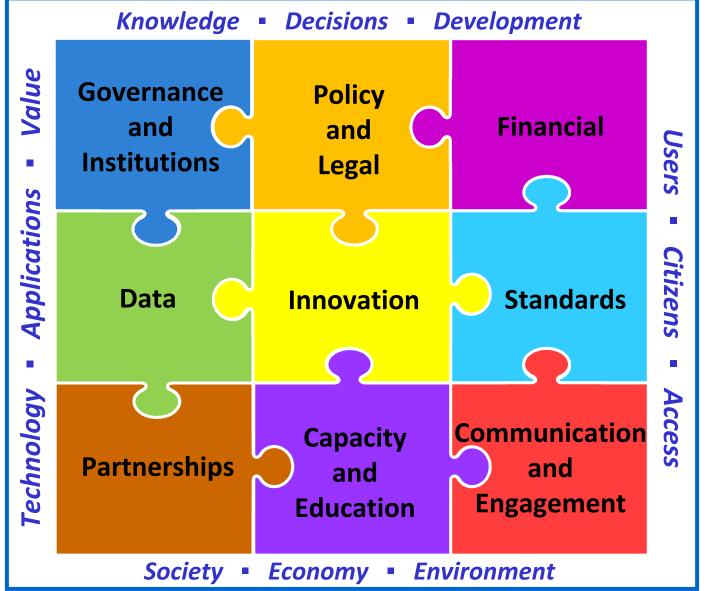
Positioning geospatial information to address global challenges

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.

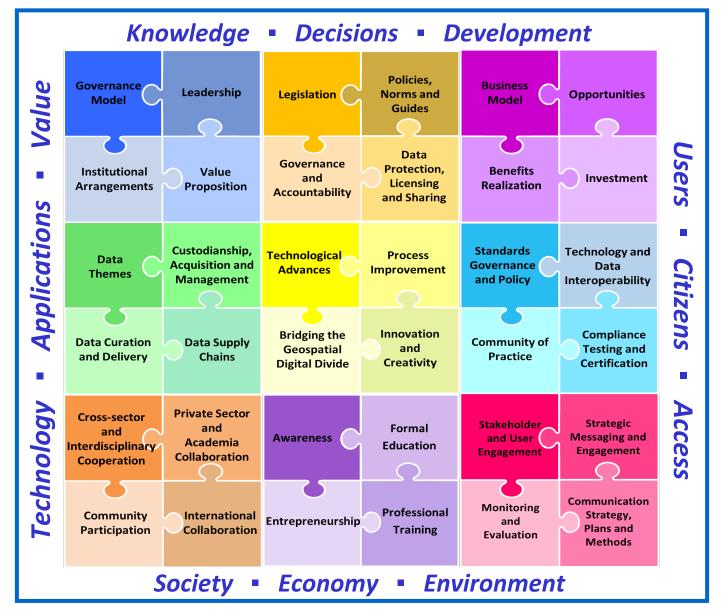


36 Key Elements

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.

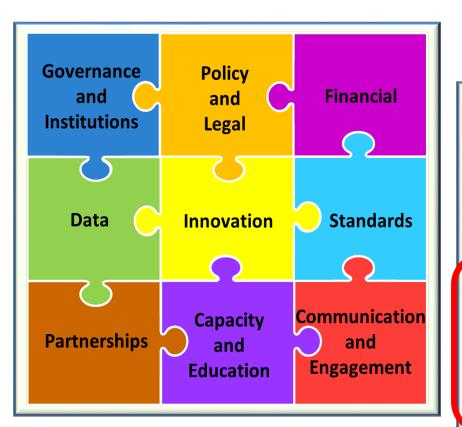


13	5 Guidance	Elements of Governance and Institutions Guiding Principles	Governance Model L Facilitate Strategic Outlook	Open and Transparent Accountability	Arrangements Project Management Oversight	Elements of Policy and Legal Guiding Principles	Legislation Available and Compatible	Norms and	Posponsivo	Financial	Business Model Adherence Accountable	Opportunities Inve	Benefits Realization Collaborative Stewardship	Elements of Data Guiding Principles	Themes	Custodianship, Data S Acquisition and Cha Management Metadata Authori Standards Timeli	Curation and Delivery tative Demand Driven
Actions for		Vou Astions for	Credibility Participatory	Guidance Clarity	Communication and Evaluation Legal Interoperability		Accessible and Equitable	Optimize Value and Re Secure and Safegua	sources Policy Coherence and Legal Interoperability	Key Actions for Strengthening	Transparent Setting Direction Financial Governar		Sustainable Sources of Funding del Sources of Funding	Key Actions for	Quality Management R	Accessibility Prover eusable Formats Integ	,
Implementation		Key Actions for Strengthening Geospatial Information Management	Forming the Leadership Governing Board Geospatial Coordination Unit(s) Specialist Working Groups	Setting Direction Strategic Alignment Study Geospatial Information Management Strategy	Tracking Success Monitoring and Evaluation Success Indicators	Key Actions for Strengthening Geospatial Information Management	Providing Leadership Review Group	Addressing Opportunities Design and Deve Data Sharing ar Dissemination	d Privacy and Data Protection	Geospatial Information Management	Financial Accountab	Financial Planning Case for Investmen	Strategic Opportunities t Deriving Value Benefits Realization	Strengthening Geospatial Information Management	Getting Organized Data Framework Data Inventory Dataset Profiles	Data Data Capture Data Acquisition Program	Positioning Maintained Geodetic Infrastructure
Governa and	and C Financial		Establishing Accountability Governance Model	Creating a Plan of Action Change Strategy Country-level Action Plan	Deriving Value Value Proposition Statement		Assessing Needs Review and Assessment Gaps and Opportunities Analysis	Licensing Geospa Information Future-Proofin	Sensitive Information Delivering Compliance		Current Business M Data Policy Public Good	Investment Appraisa Annual Budget			Planning for the Future Data Gap Analysis Data Theme Road Map	Managing Data Sustainabl Custodianship Policy Data Governance Data Management Maintained Metadata Data Release Storage/Retrieval Systems	decopatial/Statistical Integration Geocoding and Aggregation Data Supply Chains Data Interoperability
Institution	ons Legal	Tools to Assist in Completing the Actions	Steering Committee Charter Example Strategic Alignment Template	Guidance for Vision, Mission and Goal Statements Country-level Action Plan Template	Monitoring and Evaluation Template Success Indicators Example	Tools to Assist in Completing the Actions	Common Legal Terms Review and Assessmen Considerations	Use Case Examp Gaps and Opportu Analysis Gap Analysis Ma	Compliance Strates le Accessing Fitness fo Purpose for a Policy Managing Intellecture	Tools to Assist in Completing the Actions	IGIF 'Current and Desired Future' Du response Surve IGIF Baseline Surv World Bank/FAO S Diagnostic Tool	Developing a Busines y Model – Some Considerations /ey Geospatial Program Busines	Business Case Developing an Annual Budget – Considerations dget Possible Financing the Models	Tools to Assist in Completing the Actions	Fundamental Geospatia Data Themes Data Theme Descriptior Data Inventory Questionnaire Dataset Profile Templat Gap Analysis Matrix	Template Data Custodianship Policy Principles Data Governance Roles	Metadata Creation Checklist Data Release Guidelines Guidance for Improving Geodetic Infrastructure Global Statistical Geospatial Framework Geospatial/Statistical Integration
Data	Innovation Standards Capacity Communication	Interrelated and/or Prerequisite Actions	Policy Framework (SP2) ICT Capacity Review (SP5) ICT Needs Assessment and Gap Analysis (SP5)	ICT Needs Assessment and Gap Analysis (SP5) Stakeholder Engagement Strategy (SP9) Legal and Policy Review (SP2)	Data Inventory and Gap Analysis (SP4) Socio-Economic Value Assessment (SP3)	Interrelated and/or Prerequisite Actions	Review and Assessmen Questions Governing Board (SP1 Geospatial Coordination Unit (SP1	Policy and Lega Instruments Geospatial Informanagement St (SP1)	Information Identify Key Stakeholders (SP9) king Stakeholder Analysis	Interrelated and/or Prerequisite Actions	Governing Board Geospatial Coordin Unit (SP1) Governance Mode Specialist Working (SP1)	(SP1) Review Group (SP2 Country-level Action Plan (SP1) Data Sharing and	Geospatial Information Management Strategy (SP1) Strategic Alignment Study (SP1)	Interrelated and/or Prerequisite Actions	Geospatial Strategy (SP Country-level Action Pl (SP1) Governance Model (SP Geospatial Steering Committee (SP1)	Coordination Unit (SP1) Policy Framework (SP2)	Storage Solutions (SP5) Metadata Standards (SP6) Establishing Partnerships (SP7) Identify Key Stakeholders (SP9)
Partners	ships and and Education Engagement	Outcomes	Strengthened Leadership, Institutional Mandates and Political Buy-in	Efficient Planning and Coordination Geospatial Information is Valued	Cooperative Data Sharing	Outcomes	Sound and Enabling Pol and Legal Environmen Maximizes Utility of Geospatial Informatio with Safeguards	nt Responsibilities Cl Strengthene	arified Management and Applications nd Responsive to Change	Outcomes	Investment plan with funding sources, obligations, and estimates for future years	initiatives of costs a identified to meet with all a national geospatial national information inform	accounting Socio-economic associated value of geospatial aspects of information is geospatial defined, and aligned mation to financial plan to gram realize benefits	Outcomes	Increased Range and Scope of Authoritative Data	A Critical Mass of Centrally Coordinated Data Cost Reduction Through Productivity Improvements	Ability to Monitor and Measure Progress Towards Achieving the SDGs
Elements of Innovation	Technological Innovation Advances and Creativity Improvement Bridging the Geospatial Digital Divide	Elements of Standards	Governance	echnology Complia and Data Testing a properability Certification	nd Community	Elements of Partnerships	Interdisciplinary a		ernational Community Participation	Elements of Capacity and Education	Awareness		essional aining Entrepreneurship	Elements of Communication and Engagement		Strategic Commun Messaging and Strategy Engagement and Me	, Plans Evaluation
Guiding Principles	Leadership Digital Literacy Empowerment Trust Collaboration Supportive Policies Digital Enablement User Centric	Guiding Principles	Leadership Compliance Governance Engagement	Collaborative Modernized Practice Interoperability Scalable	Usability Responsive Extensible Open and Accessible	Guiding Principles	Mutual Respect, Trust and Understanding Leadership, Commitment and Empowerment	Shared Vision and Goals Learning and Development Transparency a Communicatio	Clarity and Realism Purpose and Scope Performance Management and	Guiding Principles	Responsible Relevant Responsive	Inclusive Coor	borative Incentivized rdinated Sustainable silient Accountable	Guiding Principles	Trusted and Transparent Personalize Participato		
Strengthening Geospatial Information Management	Geospatial Landscape Innovation Group Technology Maturity Index Strategic Alignment Identifying Innovation Needs Monitoring Technology Needs Monitoring Monitoring Technology Needs Monitoring Monitoring Technology Needs Monitoring Monitorin	Key Actions for Strengthening Geospatial Information Management	Direction Setting Standards Governance Framework Standards Awareness Strategic Goals Understanding National Needs Baseline Survey Standards Inventory Needs Assessment and	Planning for Change Action Plan Institutional Arrangements Taking Action Implementation Communication and Engagement Risk Assessment	Ongoing Management Standards Review Program Community of Practice Capacity Building Achieving Outcomes Compliance Success Indicators	Key Actions for Strengthening Geospatial Information Management	Understanding Partnerships Need for Partnering Types of Partnership Evaluating Opportunities Partnership Opportunities	Identifying Poten Partners Potential Partner Preliminary Screet Initial Engageme Selecting Partne Options and Operat Implications	rs Partnership Establishing Agreemet Communication Plan Governance Structur rs Managing Partnershi Reporting and Accountability Review and Evaluatio		Setting Direction Capacity and Educat Working Group Target Groups Assessing Need: Inventory of Knowle Skills and Resourc Assessments and Ana	Alternatives Capacity Development and Education Strategy s Planning for Action Approaches Implementation Plan Reviewing Existing Progra	Geospatial industry Challenges Geography in Schools Scholarships and Internships	Key Actions for Strengthening Geospatial Information Management	Providing Leadership Engagement Strategy Steering Group Internal Communication Understanding Opportunities Stakeholder Identification	Setting Direction Policy Platform Geospatial Brand Strategic Messages Creating Plan of Action Communication Strategy Communication Plan	Monitoring Progress Review and Evaluate Stakeholder Surveys Communicating Value Benefits Analysis Lessons Learnt
the Actions	Technology Needs Assessment IGIF Technology Maturity Index Capability Framework Matrix Geospatial Drivers and Trends ICT Data Inventory Data Materia Methods Capability Framework Modern Data Creation Methods Data Integrated System of- Systems Data Storage Processes Pillars of an Innovation Program Critical Path Analysis Open SDG Data Hubs Open SDG Data Hubs	Tools to Assist in Completing the Actions	National Governance Model Examples Standards Baseline Surve Needs Assessment and Gap Analysis Template	Standards Training, Tools	User Community Case Studies and Statements of Benefits Community Best Practice Examples	Tools to Assist in Completing the Actions	Stakeholder Identification and Analysis Types of Partne	Evaluation of Pote Partners Success Interships	ntial Communication Pla	Tools to Assist in Completing the Actions	Knowledge-Skill Resource Matrices Organizations ar Teams Capacity Scannir Matrix	s for Assessment/Analysis d Gap Analysis Approach to Needs Assessment/Analysis	Capacity Development and Education Strategy	Tools to Assist in Completing the Actions	Stakeholder Analysis Categories of Stakeholders A Identifying and Classifying	Communication Methods Stakeholder Stakeholde nalysis Matrix Communicat Stakeholder Analysis and Communicat ommunication Methods	and Disadvantages ion Review and Evaluation:
Interrelated and/or Prerequisite Actions	Governing Board (SP1) Governance Model (SP1) (SP1) Specialist Working Groups (SP1) Data Inventory (SP4) Data Gap Analysis (SP4) Governance Model (Coordination Unit (SP1) Data Inventory (SP4) Management Strategy Groups (SP1)	Interrelated and/or Prerequisite Actions	Governing Board (SP1) Geospatial Information Coordination Unit (SP1) Specialist Working Groups (SP1) Benefits Realization Plan (SP3)	Data Inventory Template (SP4) Data Inventory Questionnaire (SP4)	Join/Build a Community of Practice/Capacity Building Methods (SP8) Communication Plan (SP9)	Interrelated and/or Prerequisite Actions	Geospatial Information Management Strategy (S Policy and Legal Review (Assessment (SP2) Sources of Funding; Business Case (SP3) Data Gap Analysis (SP4	P1) Program; Dat Governance; Stora and Retrieval System Release (SP4 Data Acquisiti	sa System; New Product: ge and Services (SP5) ; Data Capacity Needs) Assessment (SP8) On Stakeholder Identificat	and/or Prerequisite Actions	Geospatial Coordir Unit (SP1) Specialist Worki Groups (SP1) Governance Model Design and Develop	Dissemination (SF ing Innovation Hubs (S Potential Partner I (SP1) Preliminary Screenin	P2) Strategy (SP9) P5) Communication Plan (SP9) r5, (SP9) g and Stakeholder	Interrelated and/or Prerequisite Actions	Geospatial Informat Management Strate (SP1) Specialist Workir Groups (SP1)	gy (SP1) Socio-Economic	Geospatial Coordination Unit (SP1) Benefits Realization Plan (SP3)
Outcomes	Improved Processes for Data Collection, Management, Analysis and Distribution Enabled Environment Making Work Analysis and Distribution Making Improved Decision—Making Imp	Outcomes	Minimized Barriers to Data Sharing and Integration Improved Uptake of Geospatial Information	Rapid Mobilization of New Data and Technologies Efficiencies in Geospatial Data Production and Lifecycle Management	Enhanced Abilities to Share Geospatial Information and Address Issues of Common Importance	Outcomes	Increased Development Capacity Expanded Capability	Sharing, Learning Knowledge Trans Empowered Creat and Innovation	and Enhanced Organization fer Knowledge, Expertise ar Proficiencies	Outcomes	Broad geospati awareness an capabilities at all I Increased adoptio application of geos technologies ar processes	d innovative solutions evels address real-world challenges, econom	to Equipped with increasing knowledge, proficiencies and	Outcomes	Heightened Awarene and Active Engageme Elevated Trust, and Increase Geospatial Inf	Confidence Inc	Positive and Beneficial Relationships reased Opportunities, Innovations and Accomplishments

INTEGRATED GEOSPATIAL INFORMATION FRAMEWORK (IGIF)

- The IGIF focuses on geospatial information that is integrated with any other meaningful data to solve societal and environmental problems.
- The IGIF acts as a catalyst for economic growth and opportunity, and to provide understanding and benefit from a country's national development priorities and the SDGs.
- The IGIF is <u>not</u> an infrastructure. It is a standalone 'framework', independent of an SDI and any other infrastructures.
- However, the IGIF fundamentally recognizes, builds substantially upon, and augments previous investments and achievements in planning and implementing SDIs and NSDIs.
- The IGIF not only provides additional structure, reasoning, and evidence as to why SDI's
 are important, but also provides the guidance, options and actions to plan for, develop,
 and implement an <u>integrated</u> national geospatial information management program,
 aligned to national strategies priorities, and circumstances within a country.





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)

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

Statement of
Shared
Guiding
Principles for
Geospatial
Information
Management





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

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.



Positioning geospatial information to address global challenges

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**



Data Management



Common Infrastructure and **Services**



Resource **Mobilization**

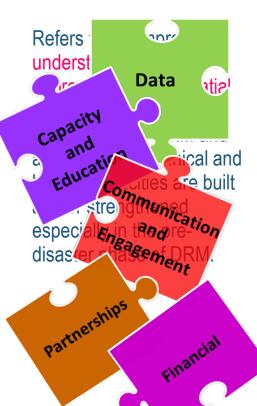
Governance

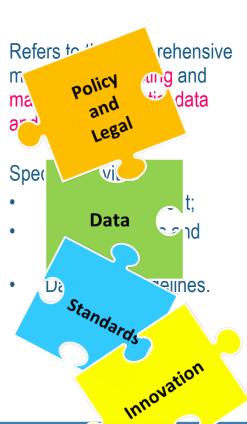
al and

and

framing, Ref Governance s to and Institutions acces ion geosp Policy uss all and ph Legal

Communication and Engagement





Refers mardware, S(Innovation reeded mar to prove geospana and services. Capacity ner to comr and Education be esta rnmer operability of

Standards cesses to demand ang all (01) actor

Institutions and ad> Capacity supp and Education er to Financial Communication

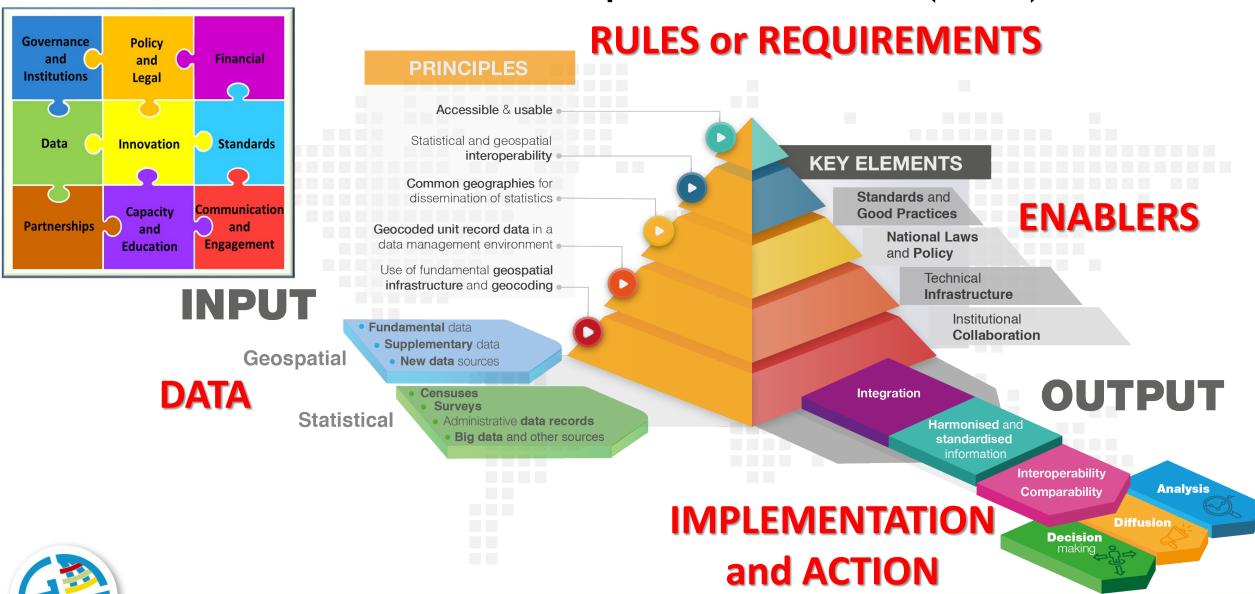
Refe

reso

tec

and Engagement atjal information to add Posit

Global Statistical Geospatial Framework (GSGF)



Positioning geospatial information to address global challenges

UN-GGIM

Global Statistical Geospatial Framework (GSGF) **RULES or REQUIREMENTS PRINCIPLES** Policy Accessible & usable and Standards Statistical and geospatial interoperability **KEY ELEMENTS** Governance Common geographies for Standards and dissemination of statistics and **Good Practices** Institutions **ENA** Geocoded unit record data in a **National Laws** data management environment and Policy Use of fundamental geospatial Communication **Technical** infrastructure and geocoding Infrastructure **Partnerships** Engagement Institutional Fundamental data Collaboration Supplementary data งอกtial Capacity New data sources and Education Integration Censuses Surveys **Statistical Data** Administrative data records **larmonised** and Big data and other sources standardised Interoperability **Analysis** Comparability Financial





Diffusion

Decision making

Standards

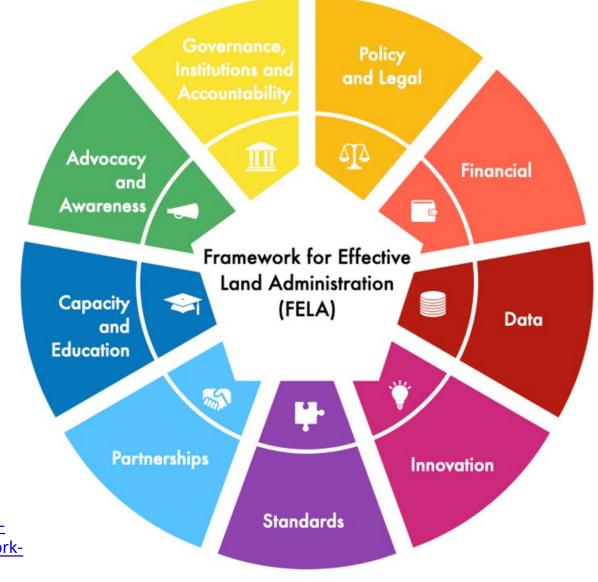
Data

UN-GGIM

Framework for Effective Land Administration (FELA)



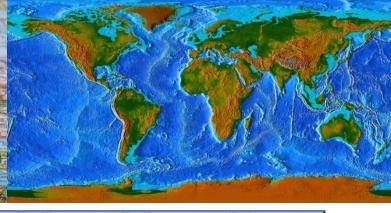
UN-GGIM



http://ggim.un.org/meetings/GGIM-committee/10th-Session/documents/E-C.20-2020-29-Add 2-Frameworkfor-Effective-Land-Administration.pdf Transforming our world -The 2030 Agenda for Sustainable Development







"We see the value of the IGIF becoming a kind of umbrella over a number of underlying guidelines and frameworks developed under UN-GGIM over the last 10 years. It will be important to continue the good work to ensure that these processes converge and give special attention to consistency with other frameworks"

IGIF Implementation Guide, Global Consultation, June 2020

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 Geodetic 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

