



Third International Workshop on Operationalizing the Integrated Geospatial Information Framework
 26 - 28 November 2019, Conference Room, Office of the National Statistical Committee
 Minsk, Belarus

Integrated Geospatial Information Framework Part 1: Overarching Strategic Framework

United Nations Secretariat for Global Geospatial Information Management
 Statistics Division, Department of Economic and Social Affairs



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2030 Agenda: Goals, targets, indicators, implementation



The 2030 Agenda is an Integrated Plan of Action structured in four main parts: (i) Vision and principles for transforming our world as set out in the Declaration; (ii) Results framework of 17 SDGs and 169 targets; (iii) Means of implementation through governments, society and global partnership; and (iv) Follow-up and review framework of global indicators.

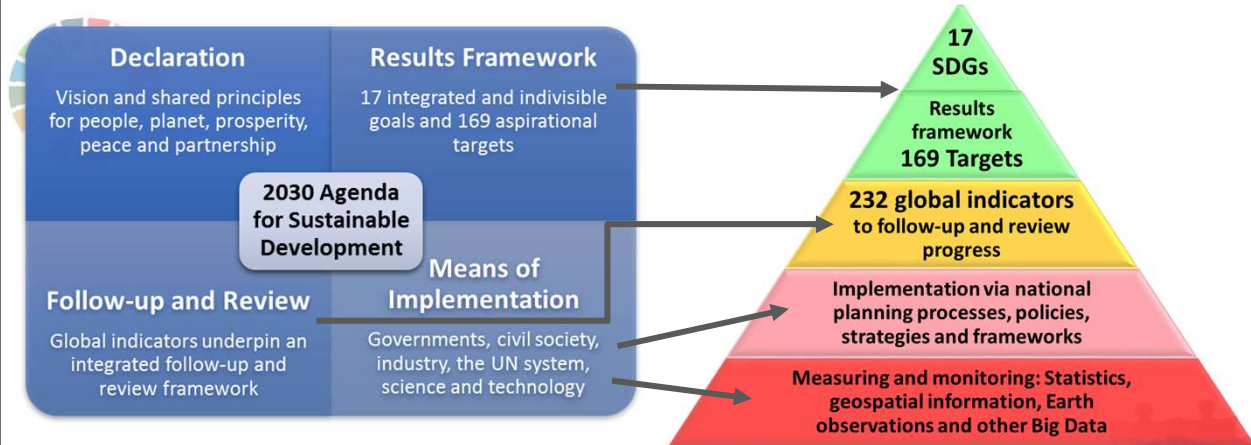


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2030 Agenda: Goals, targets, indicators... and data!!



Any national SDG implementations will be sub-optimal without strategies and frameworks to integrate statistics, geospatial information, Earth observations, and other new data into the measuring, monitoring and reporting processes.

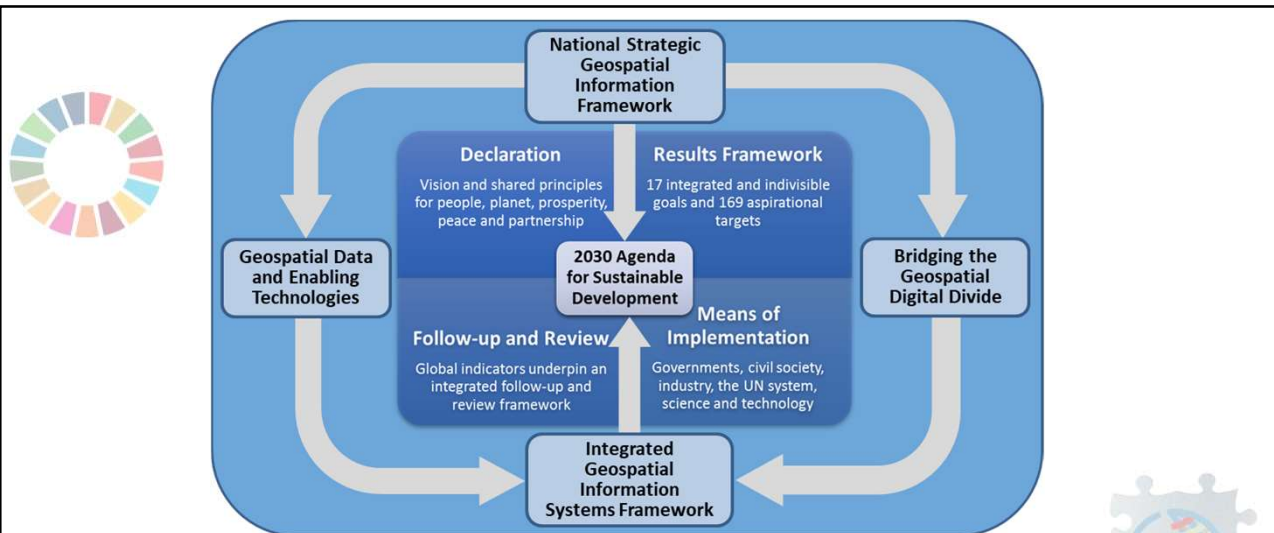


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Framed by the 2030 Agenda for Sustainable Development, this figure presents the major components that will assist our efforts in charting a geospatial roadmap towards nationally integrated geospatial information management for evidence-based policies and decisions for the wellbeing of people and planet.



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UNSD – WORLD BANK STRATEGIC PARTNERSHIP SEVENTH SESSION OF UN-GGIM AUGUST 2017



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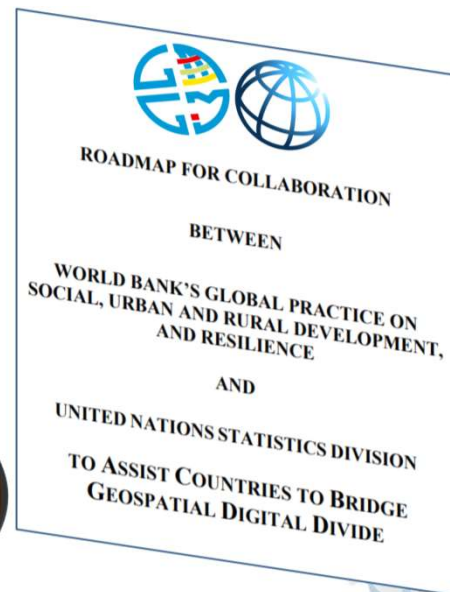
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“develop an overarching Geospatial Framework.....”

“prepare and implement country-level Action Plans.....”



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INTEGRATED GEOSPATIAL INFORMATION FRAMEWORK
 A STRATEGIC GUIDE TO DEVELOP AND STRENGTHEN NATIONAL GEOSPATIAL INFORMATION MANAGEMENT

PART 1: OVERARCHING STRATEGIC FRAMEWORK

adopted at the Eighth Session of the United Nations Committee of Experts on Global Geospatial Information Management (UN-GGIM)
 Decision 8/113 (E/2018/46), August 2018

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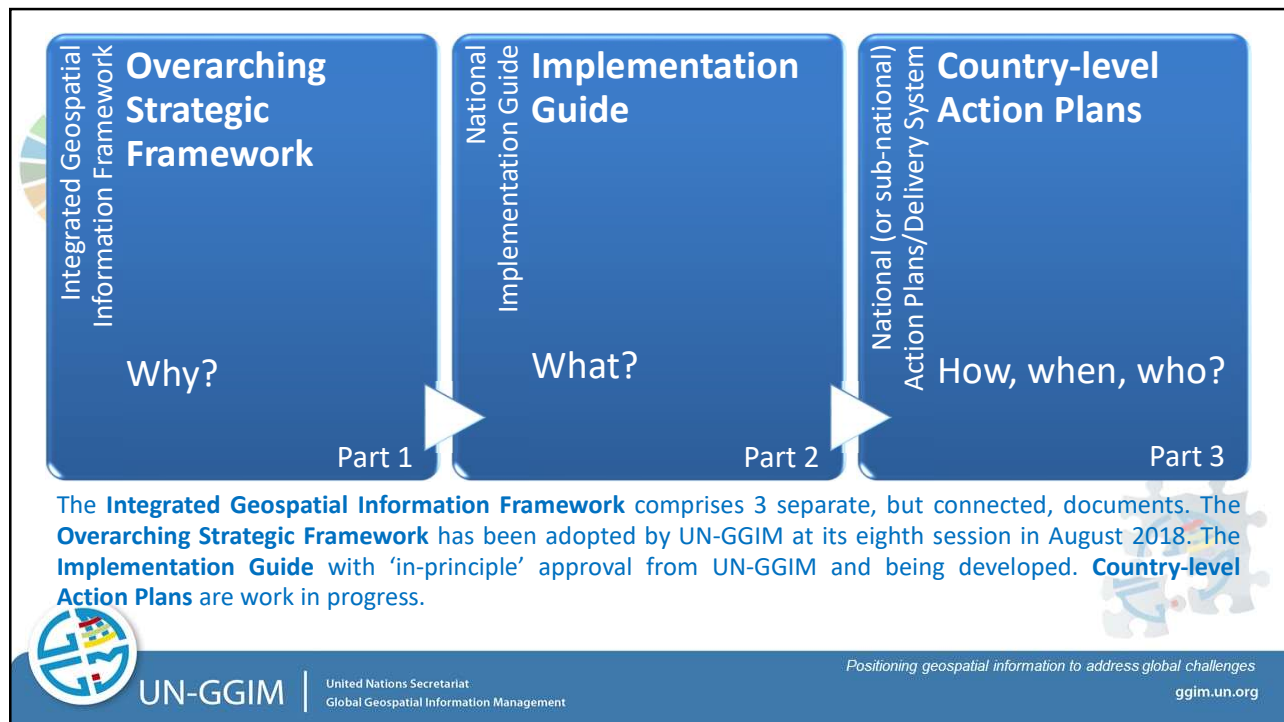


Strengthening geospatial information management will assist countries in bridging the geospatial digital divide, secure socio-economic prosperity, and leave no one behind.

The Integrated Geospatial Information Framework is a reference guide for developing and strengthening arrangements in national geospatial information management in developing countries including small island developing states, landlocked developing countries and least developed countries. But, it is also used to improve and coordinate activities to achieve alignment between and across existing national agency capabilities and infrastructures in developed countries.

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Overarching Strategic Framework

- A forward-looking Framework built on national needs and circumstances.
- Provides the overarching strategic messages and more expansive and integrated national framework, particularly 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.
- It does 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.

Overarching Strategic Framework
Why?
Part 1

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

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Overarching Strategic Framework

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.



The seven Principles are the key characteristics and values that provide the compass for implementing the Framework, and allow for methods to be tailored to individual country needs and circumstances.



The eight 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.



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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.



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Overarching Strategic Framework: Principles



- PRINCIPLE 1: Strategic Enablement**
- PRINCIPLE 2: Transparent and Accountable**
- PRINCIPLE 3: Reliable, Accessible and Easily Used**
- PRINCIPLE 4: Collaboration and Cooperation**
- PRINCIPLE 5: Integrative Solution**
- PRINCIPLE 6: Sustainable and Valued**
- PRINCIPLE 7: Leadership and Commitment**



The seven Principles are the key characteristics and values that provide the compass for implementing the Framework, and allow for methods to be tailored to individual country needs and circumstances.



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Overarching Strategic Framework: Goals



- GOAL 1: Effective Geospatial Information Management**
- GOAL 2: Increased Capacity, Capability, and Knowledge Transfer**
- GOAL 3: Integrated Geospatial Information Systems and Services**
- GOAL 4: Economic Return on Investment**
- GOAL 5: Sustainable Education and Training Programs**
- GOAL 6: International Cooperation and Partnerships Leveraged**
- GOAL 7: Enhanced National Engagement and Communication**
- GOAL 8: Enriched Societal Value and Benefits**



The eight 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.

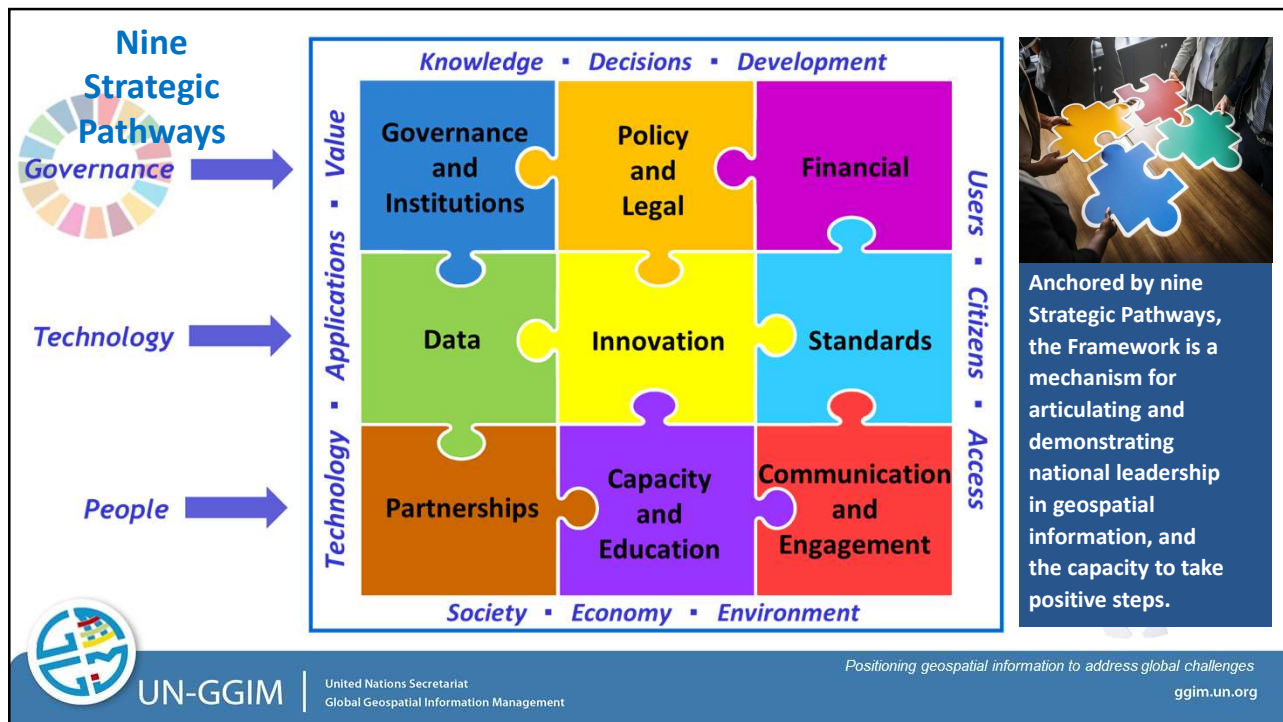


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Overarching Strategic Framework: Strategic Pathways

- The Framework is anchored by nine Strategic Pathways in three main areas of influence: Governance; Technology; and People.
- The objective of the Strategic Pathways is to guide governments towards implementing integrated geospatial information management in a way that will deliver a vision for sustainable social, economic and environmental development.
- Each Strategic Pathway is augmented by specific objectives to assist countries in achieving the required results.
- The Strategic Pathways are presented as separate pieces of a jigsaw puzzle in recognition that there are many aspects and dimensions to each individual pathway, and that when joined together, the Framework is connected, integrated and implemented.
- Each of the nine Strategic Pathways are explained in more detail, along with specific guidance, in Part 2: Implementation Guide.



There needs to be more institutional collaboration, coordination, interoperability and integration across the various national data information systems and platforms.

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Strategic Pathway 1



Governance and Institutions

Establishes the leadership, governance model, institutional arrangements and a clear value proposition as a means to strengthen multi-disciplinary and multi-sectoral participation and a commitment to achieving an Integrated Geospatial Information Framework.

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








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Strategic Pathway 2





Policy and Legal

Establishes a robust legal and policy framework that is essential to institute appropriate national geospatial information legislation and policy that enables the availability, accessibility, exchange, application and management of geospatial information.

Objective is to address current legal and policy issues by improving the laws and policies associated with, and impact on, geospatial information management; proactively monitoring the legal and policy environment, particularly with regard to designating official responsibility for the production of data, and with respect to issues raised by emerging technologies and innovative and creative use of geospatial information.









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Financial

Strategic Pathway 3




Establishes the business model, develops financial partnerships, and identifies the investment needs and funding sources for delivering integrated geospatial information management, as well as recognizing the benefits realization milestones that will achieve and maintain momentum.

Objective is to achieve an understanding of the implementation costs and ongoing financial commitment necessary to deliver integrated geospatial information management that can be sustained and maintained in the longer term.




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Data

Strategic Pathway 4




Establishes a geospatial data framework and custodianship guidelines for best practice collection and management of integrated geospatial information that is appropriate to cross sector and multidisciplinary collaboration.

Objective is to enable data custodians to meet their data management, sharing and reuse obligations to government and the user community through the execution of well-defined data supply chains for organizing, planning, acquiring, integrating, managing, maintaining, curating, publishing and archiving geospatial information.



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Innovation


Strategic Pathway 5

Technological Advances	Process Improvement
Promoting Innovation and Creativity	Bridging the Geospatial Digital Divide

Recognizes that technology and processes are continuously evolving; creating enhanced opportunities for innovation and creativity that enable governments to quickly bridge the digital divide.


Objective is to stimulate the use of the latest cost-effective technologies, process improvements and innovations so that governments, no matter what their current situation is, may leapfrog to state-of-the-art geospatial information management systems and practices.





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Standards


Strategic Pathway 6

Compliance	Quality
Community Practice	Technology Interoperability

Establishes, and ensures the adoption of, best practice standards and compliance mechanisms that enable legal, data, semantic and technical interoperability, which are fundamental to delivering integrated geospatial information and knowledge creation.


Objective is to enable different information systems to communicate and exchange data, enable knowledge discovery and inferencing between systems using unambiguous meaning, and provide users with lawful access to and reuse of geospatial information.





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Partnerships

Strategic Pathway 7

Cross-sector and Interdisciplinary Cooperation	Private Sector and Academia Collaboration
Community Participation	International and Regional Collaboration

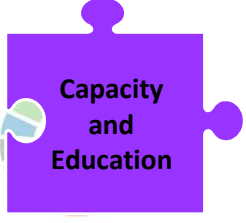
Establishes effective cross-sector and interdisciplinary cooperation, industry and private sector partnerships, and international cooperation as an important premise to developing a sustainable Integrated Geospatial Information Framework.

Objective is to create and sustain the value of geospatial information through a culture based on trusted partnerships and strategic alliances that recognize common needs and aspirations, and national priorities.



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Capacity and Education

Strategic Pathway 8

Advocacy and Outreach Programs	Formal Education
Entrepreneurship	Professional Workplace Training

Establishes enduring capacity building programs and education systems so that geospatial information management and entrepreneurship can be sustained in the longer term.


Objective is to increase the awareness and level of understanding of geospatial information science. This includes developing and strengthening the skills, instincts, abilities, processes and resources that organizations and communities require to utilize geospatial information for decision-making.



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Strategic Pathway 9




Communication and Engagement


Strategic Pathway 9



Recognizes that stakeholders (including the general community) are integral to the implementation of integrated geospatial information management and that their buy-in and commitment is critical to success.

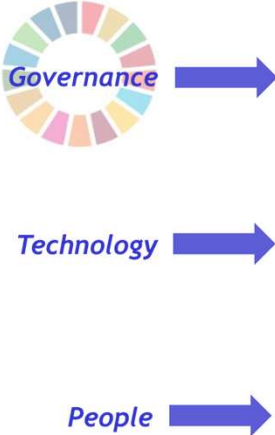
Objective is to deliver effective and efficient communication and engagement processes to encourage greater input from stakeholders to achieve transparent decision-making processes when implementing the Geospatial Information Management Framework.





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Knowledge ▪ Decisions ▪ Development


Governance and Institutions	Policy and Legal	Financial
Data	Innovation	Standards
Partnerships	Capacity and Education	Communication and Engagement

Society ▪ Economy ▪ Environment




Users ▪ Citizens ▪ Access

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



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Sustainable Development

PEOPLE End poverty and hunger in all forms and ensure dignity and equality

PLANET Protect our planet's natural resources and climate for future generations

PROSPERITY Ensure prosperous and fulfilling lives in harmony with nature

PARTNERSHIP Implement the agenda through a solid global partnership

PEACE Foster peaceful, just and inclusive societies

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

Integrated Geospatial Information Framework

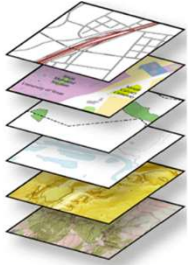
Why? Part 1

Implementation Guide

What? Part 2

Country-level Action Plans


How, when, who? Part 3



Geospatial information is a critical component of the national infrastructure and knowledge economy; a blueprint of what happens where, and the means to integrate a wide variety of government services.

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United Nations Integrated Geospatial Information Framework



Governance


Technology

People

Knowledge ▪ Decisions ▪ Development

Governance and Institutions	Legal and Policy	Financial
Data	Innovation	Standards
Partnerships	Capacity and Education	Communication and Engagement

Society ▪ Economy ▪ Environment



Users ▪ Citizens ▪ Access

There needs to be more institutional collaboration, interoperability and integration across the various national data information systems and platforms.

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Strengthening National Geospatial Information Management



Strengthening national geospatial information management to support Member States implementing national strategic priorities for the wellbeing people, planet and prosperity, and to keep the promise to leave no one behind



THANK YOU



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Transforming our world -
The 2030 Agenda For
Sustainable Development



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Integrated Geospatial Information Framework Part 1: Overarching Strategic Framework

INTERACTIONS



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