



First International Workshop on Operationalizing the Integrated Geospatial Information Framework
9 - 11 September 2019, Celso Furtado Conference Room, ECLAC, Santiago, Chile

The Integrated Geospatial Information Framework

Part 1: The Overarching Strategic Framework

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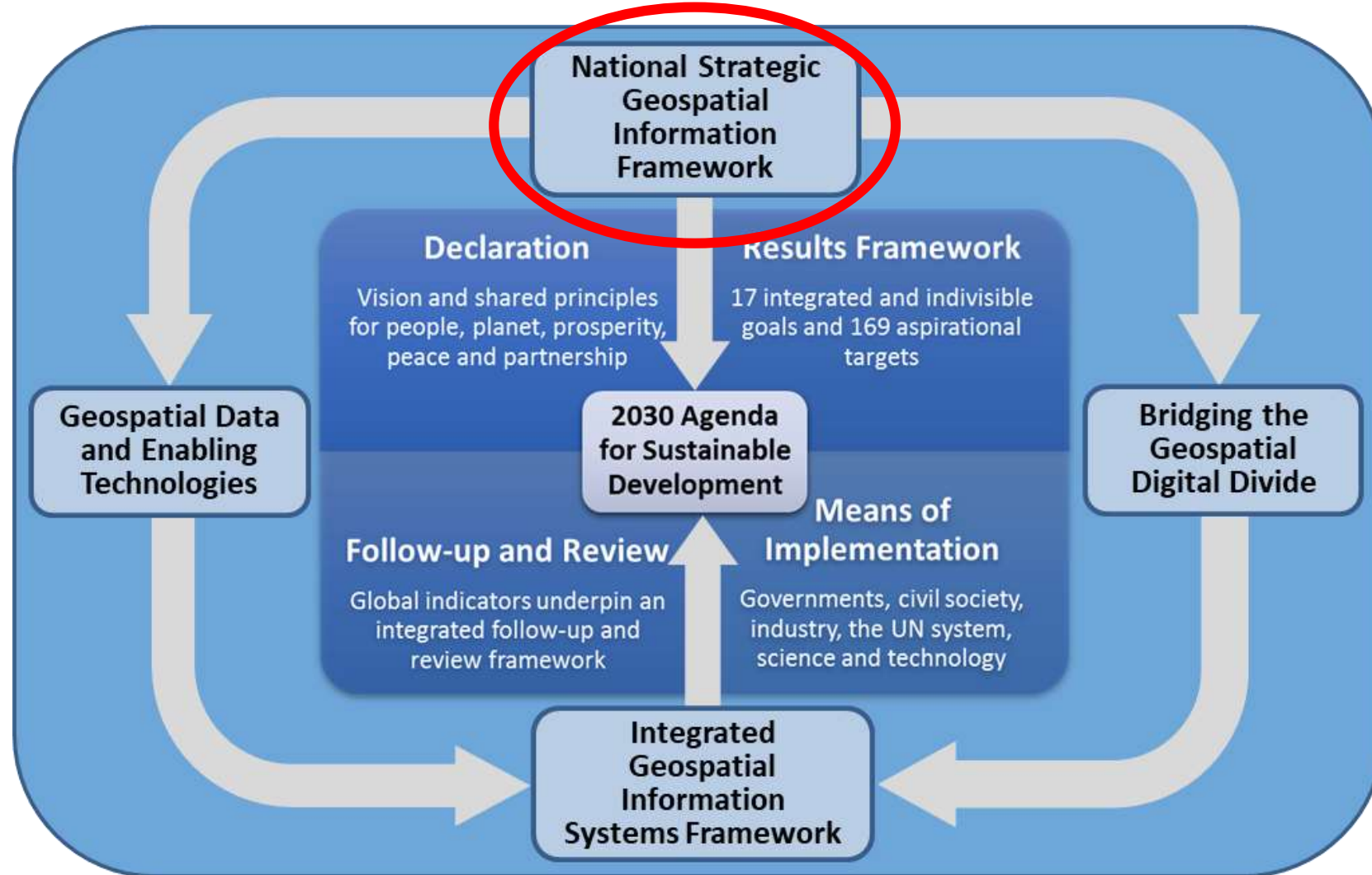


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Framed by the 2030 Agenda for Sustainable Development, this figure presents the major components that will assist our efforts in charting a geospatial roadmap towards nationally integrated geospatial information management for evidence-based policies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





UNSD – WORLD BANK STRATEGIC PARTNERSHIP

SEVENTH SESSION OF UN-GGIM

AUGUST 2017



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**“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**



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INTEGRATED GEOSPATIAL INFORMATION FRAMEWORK

EIGHTH SESSION OF UN-GGIM

AUGUST 2018



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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.

<http://ggim.un.org/UN-GGIM-Intergrated-geospatial-information-framework/>



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Overarching Strategic Framework

Why?

Part 1

Implementation Guide

What?

Part 2

Country-level Action Plans

How, when, who?

Part 3

The **Integrated Geospatial Information Framework (IGIF)** comprises 3 separate, but connected, documents. The **Overarching Strategic Framework** was completed and adopted 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



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

- 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.



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The 7 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.

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
GOALS						
Effective Geospatial Information Management	Increased Capacity, Capability and Knowledge Transfer	Integrated Geospatial Information Systems and Services		Economic Return on Investment		
Sustainable Education and Training Programs	International Cooperation and Partnerships Leveraged	Enhanced National Engagement and Communication		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.



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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.

STRATEGIC PATHWAYS

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



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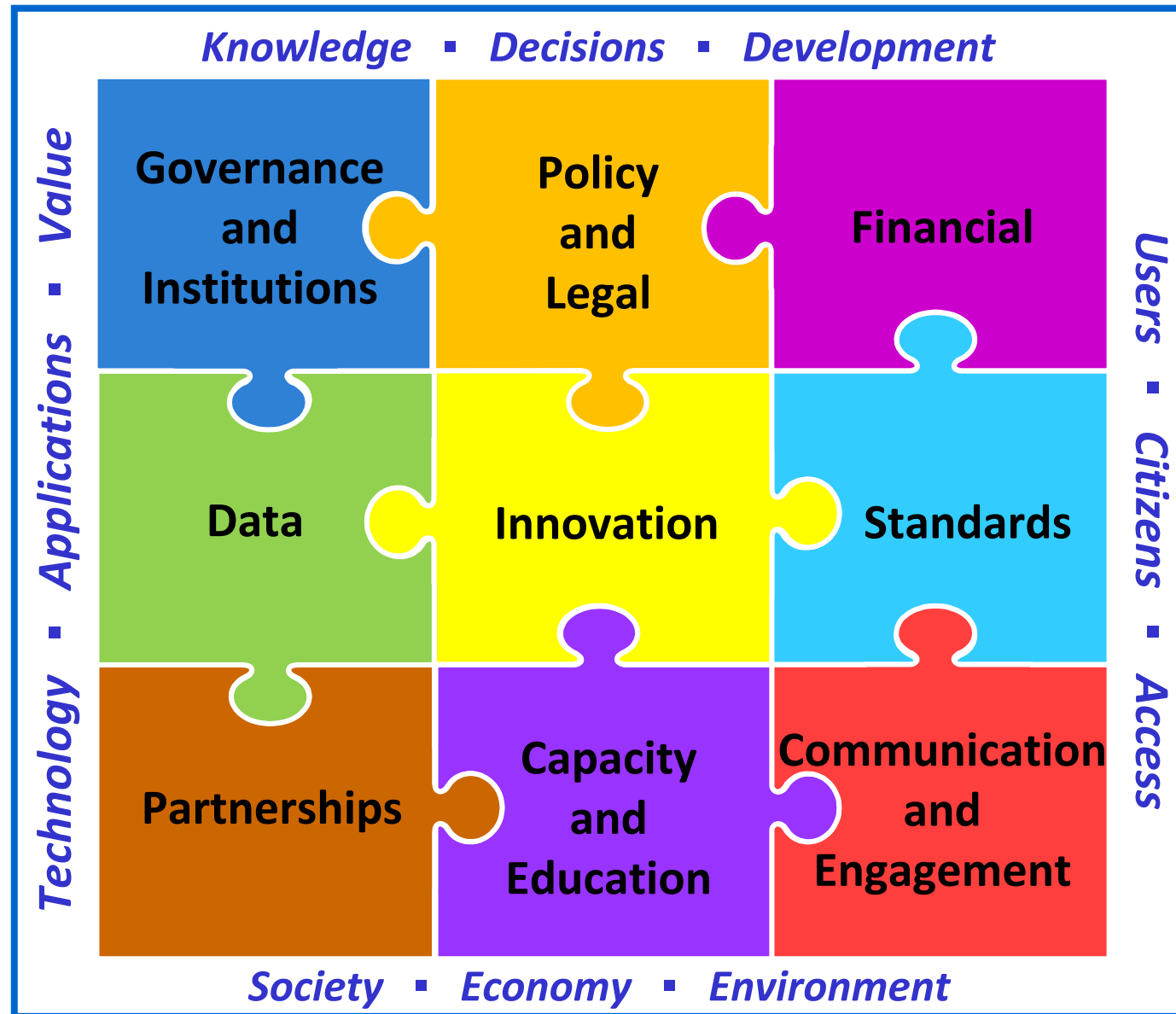
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9 Strategic Pathways

Governance →

Technology →

People →



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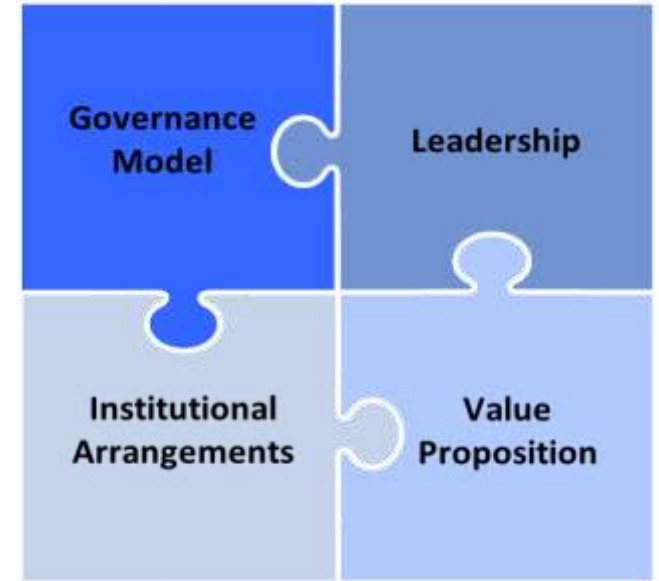
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Governance and Institutions

Strategic Pathway 1

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



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.

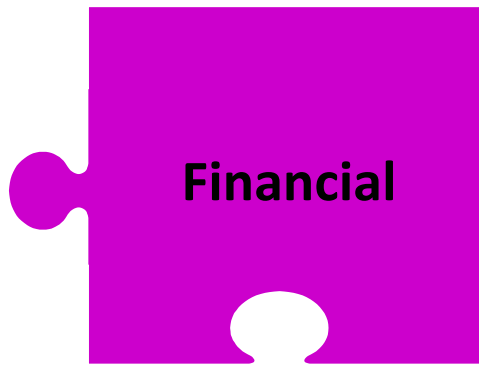


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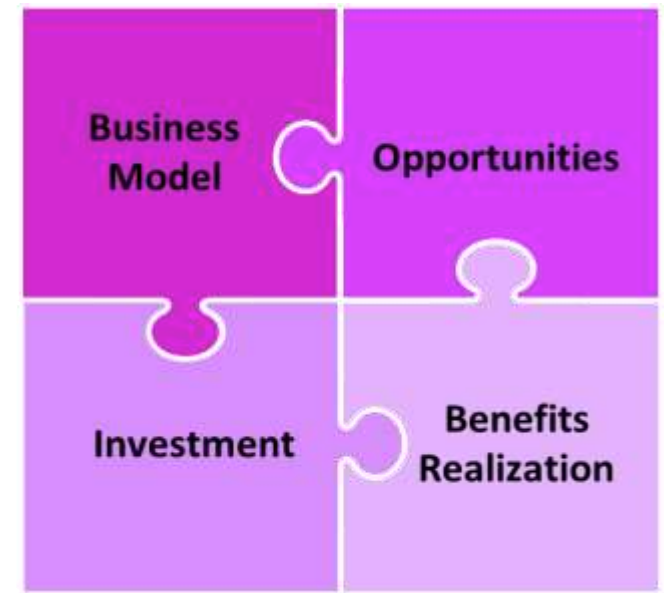
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Strategic Pathway 3



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.

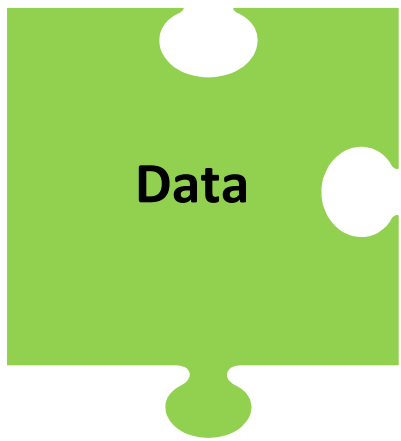


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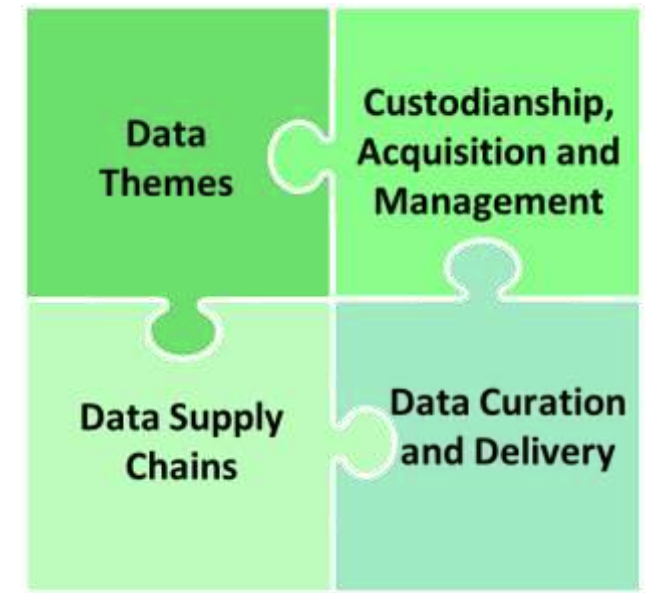
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Strategic Pathway 4



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.

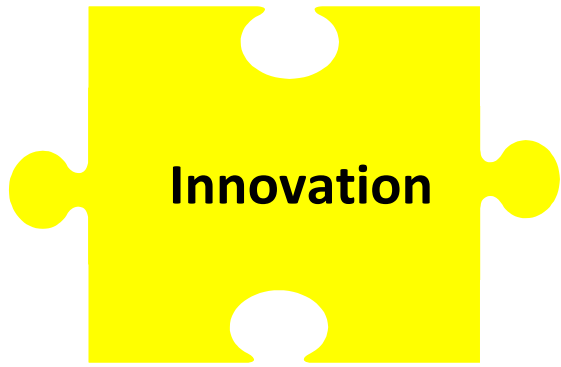


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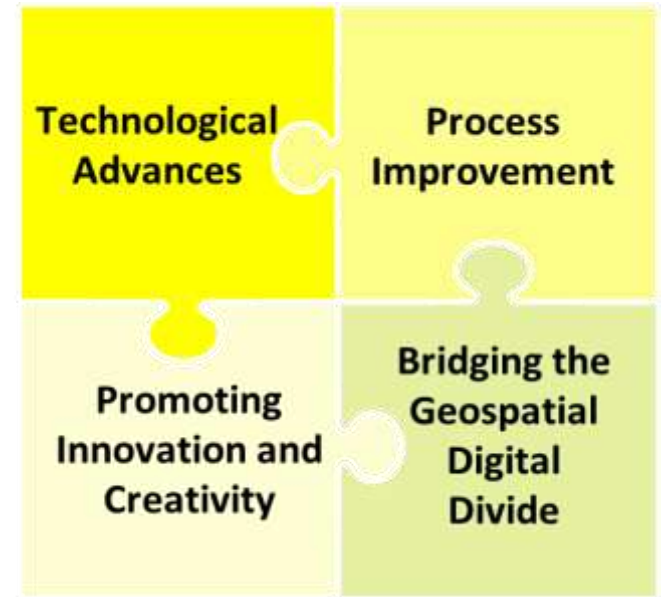
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Strategic Pathway 5



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.

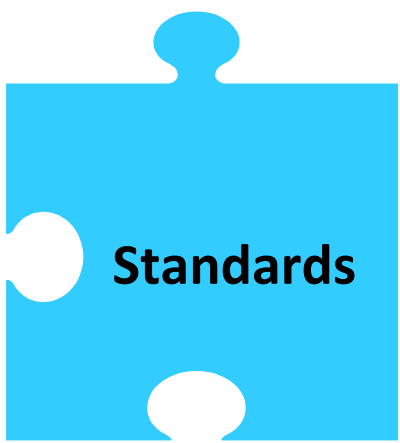


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Strategic Pathway 6



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



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.

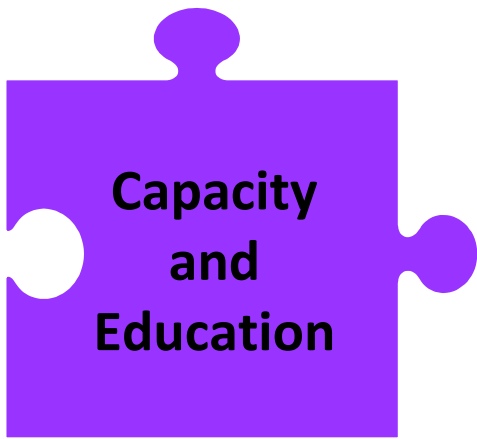


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Strategic Pathway 8



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



Recognizes that stakeholders (including the general community) are integral to the implementation of integrated geospatial information management systems 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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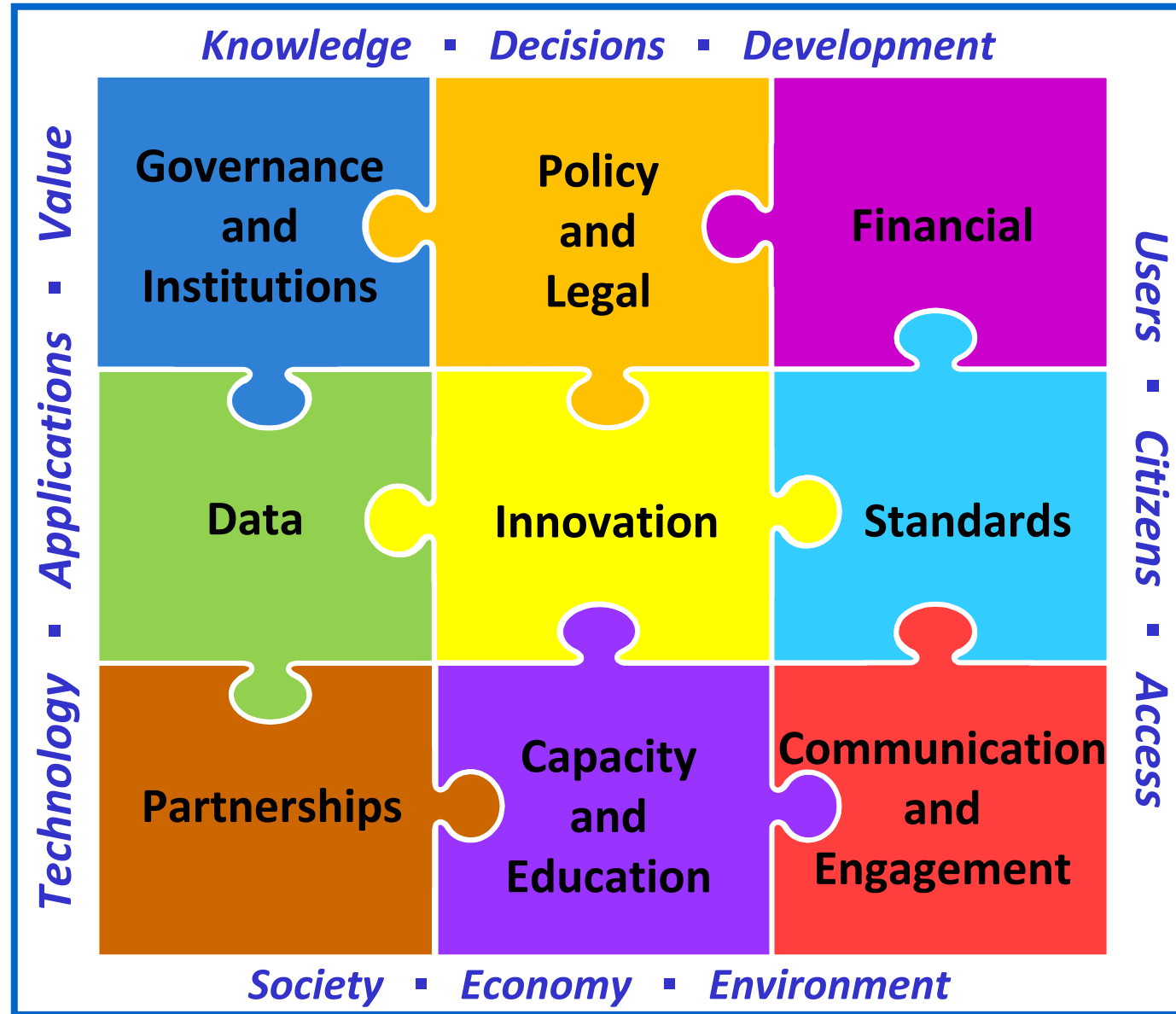
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Summary



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 developing and strengthening 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 improve and coordinate activities to achieve alignment between and across existing national agency capabilities and infrastructures in developed countries.



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QUESTIONS OR CLARIFICATIONS?



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