

International Seminar on United Nations Global Geospatial Information Management with the theme “Effective Land Administration”

Suntec Exhibition and Convention Centre, Singapore
17 & 19 May 2022

Session #6

Key elements for implementing the Framework for Effective Land Administration



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

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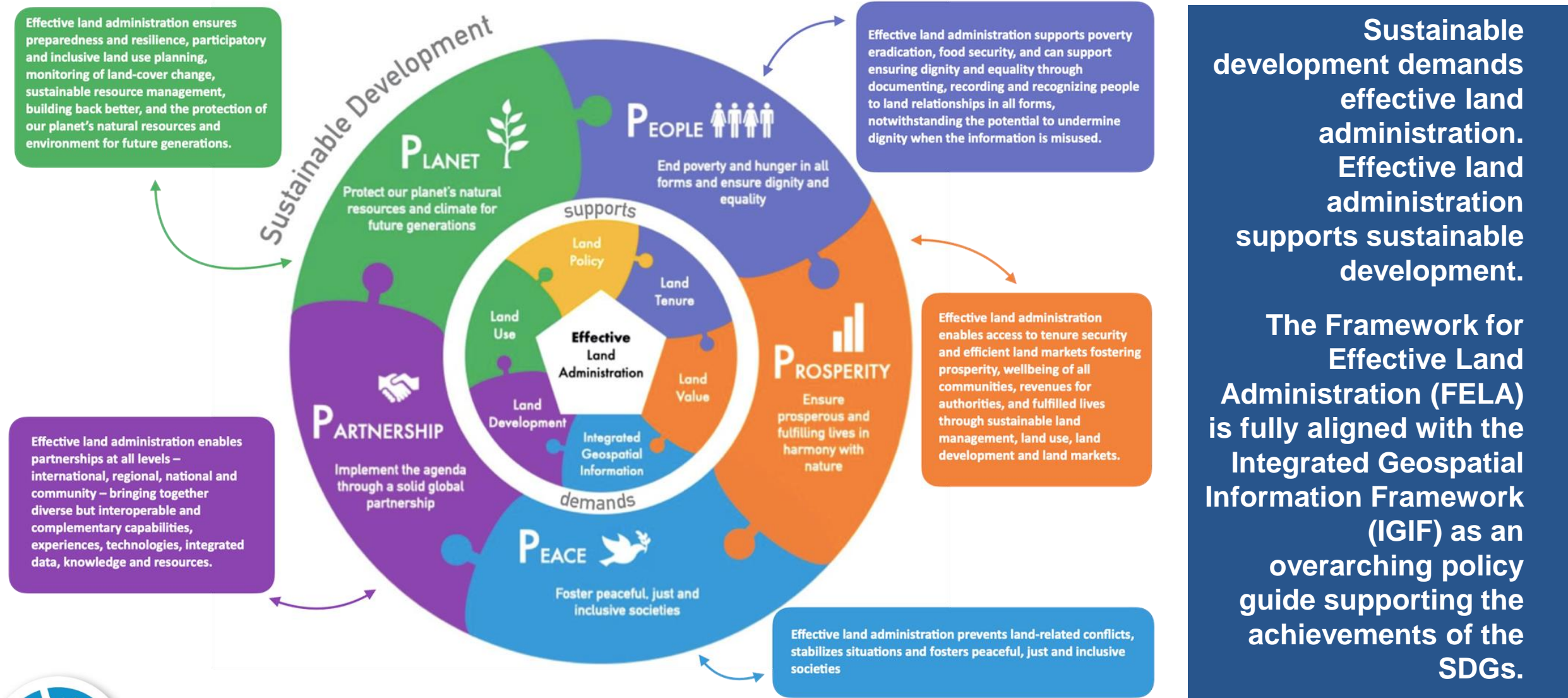
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UNITED NATIONS FRAMEWORK FOR EFFECTIVE LAND ADMINISTRATION (FELA)



https://ggim.un.org/meetings/GGIM-committee/10th-Session/documents/E-C.20-2020-29-Add_2-Framework-for-Effective-Land-Administration.pdf



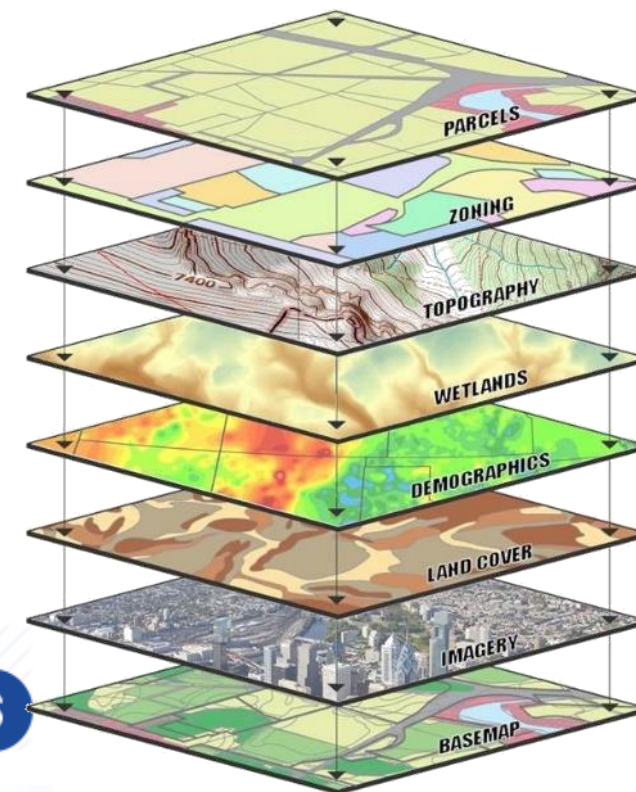
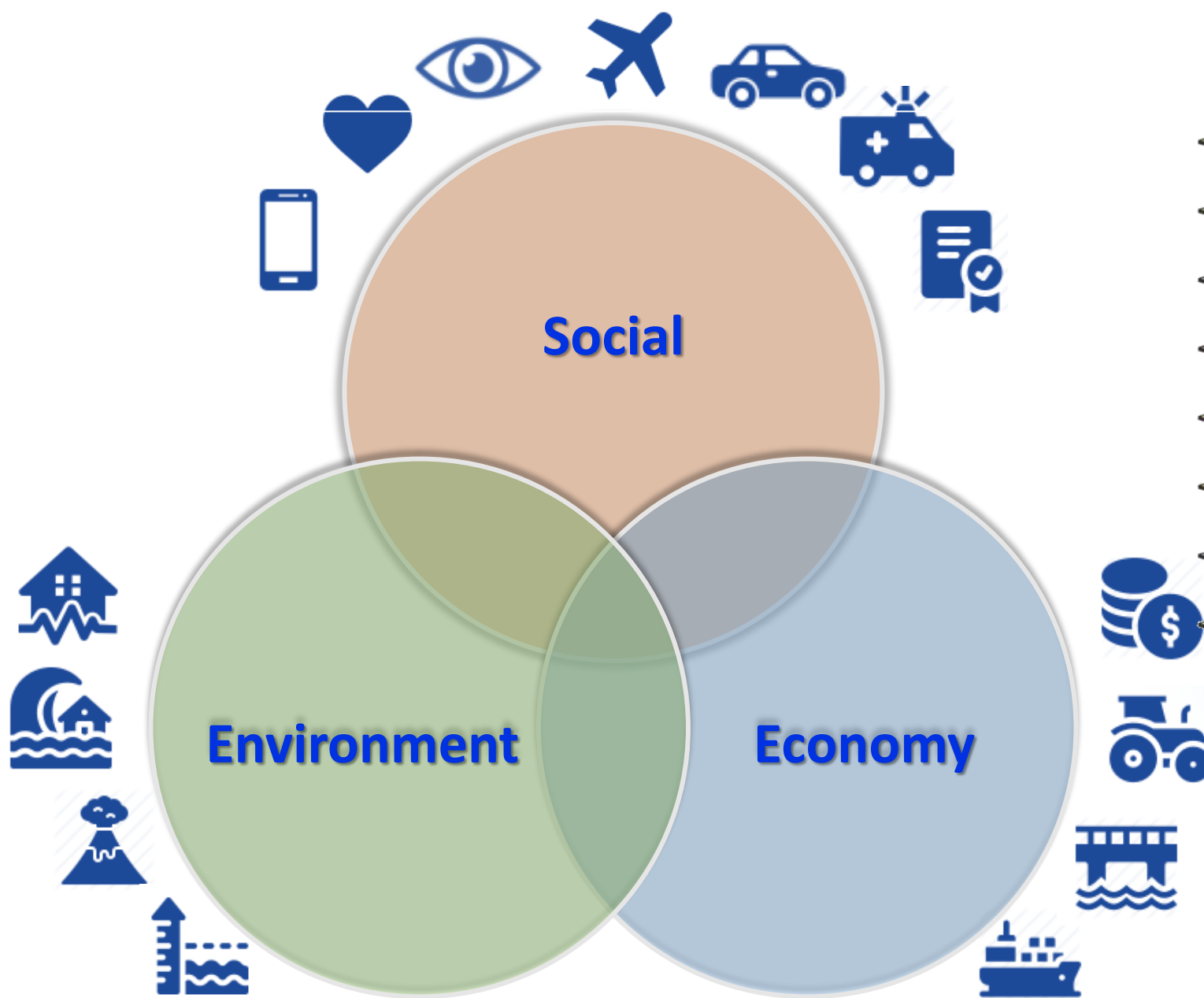
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There need to be more institutional collaboration, coordination, interoperability and integration across national data and information systems and platforms, and influenced by Governance, Technology and People



"the availability of high-quality data is also critical, helping decision makers to understand *where* investments can have the greatest impact"

António Guterres
Secretary-General of the United Nations



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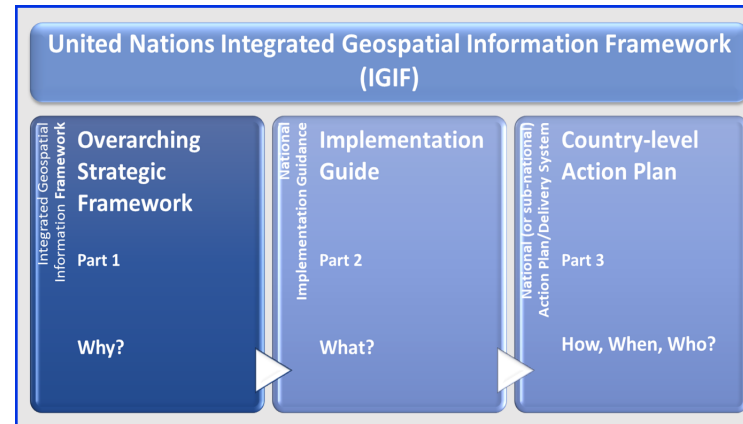
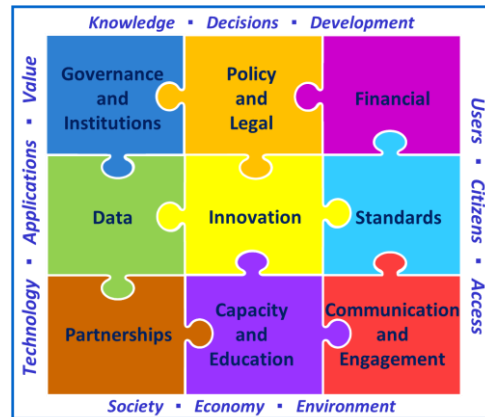
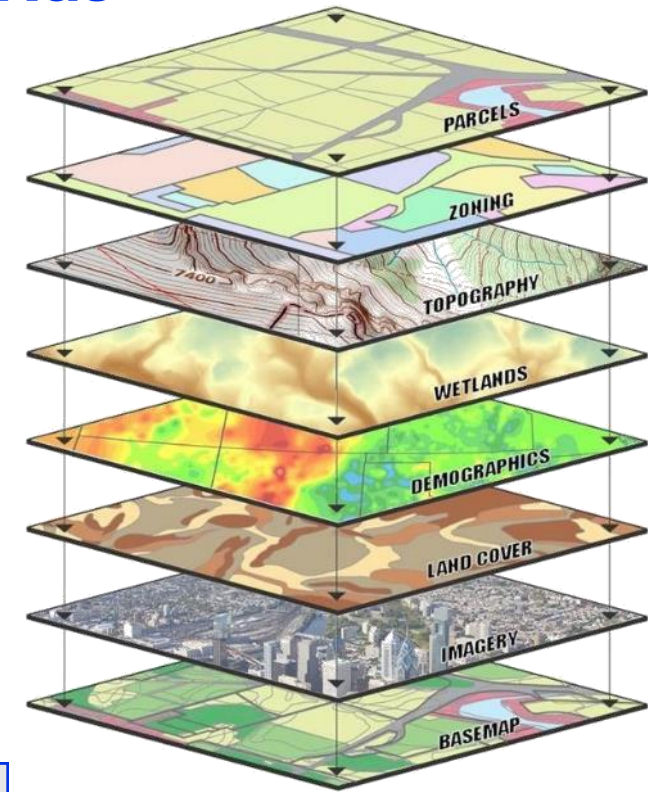
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Time for Action, from Today - the Science Policy Nexus

“The pandemic has shown the importance of the science-policy interface and the need for evidence-based policies. Governments should strengthen research and development efforts, scale up the application of STI solutions, promote technology transfer and diffusion, and capacity building. Achieving the digital transformation requires building sufficient infrastructure, and access to digital technologies and skills, especially in LDCs and other vulnerable countries. The potential benefits of new technologies must be made available to all, taking into account the needs of the more vulnerable people. Investing in timely, reliable and disaggregated data and statistics, as well as **geospatial information**, is critical to monitor the pandemic, but also to leaving no one behind, achieving the SDGs and building foresight and resilience to risks and future shocks.”

(Draft Background Paper,
2022 ECOSOC Coordination Segment,
Dec 2021)



“the availability of high-quality data is also critical, helping decision makers to understand *where* investments can have the greatest impact”

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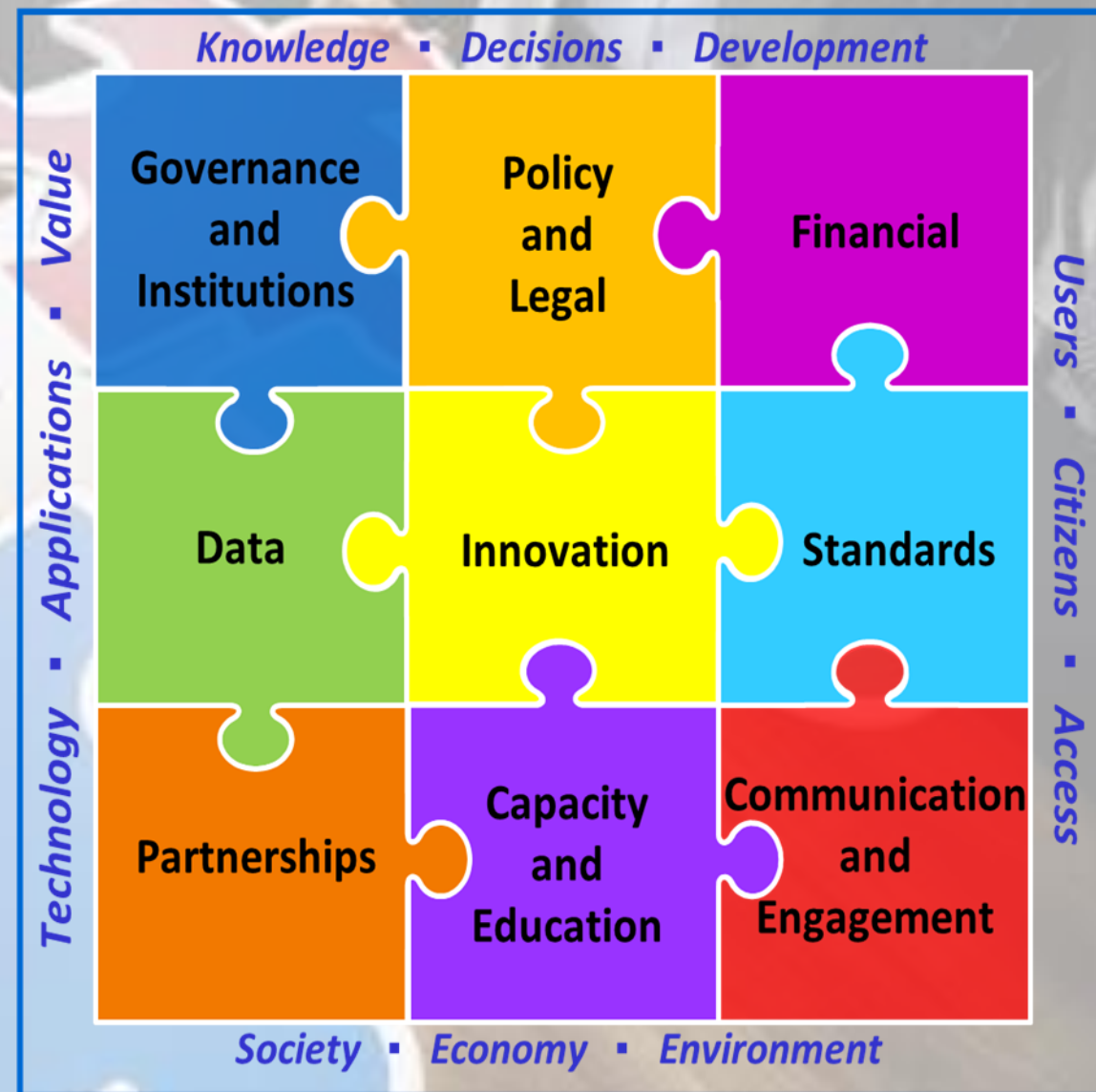
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Anchored by nine Strategic Pathways, the United Nations Integrated Geospatial Information Framework is a mechanism for articulating and demonstrating national leadership in geospatial information, and the capacity to take positive steps

Governance →

Technology →

People →



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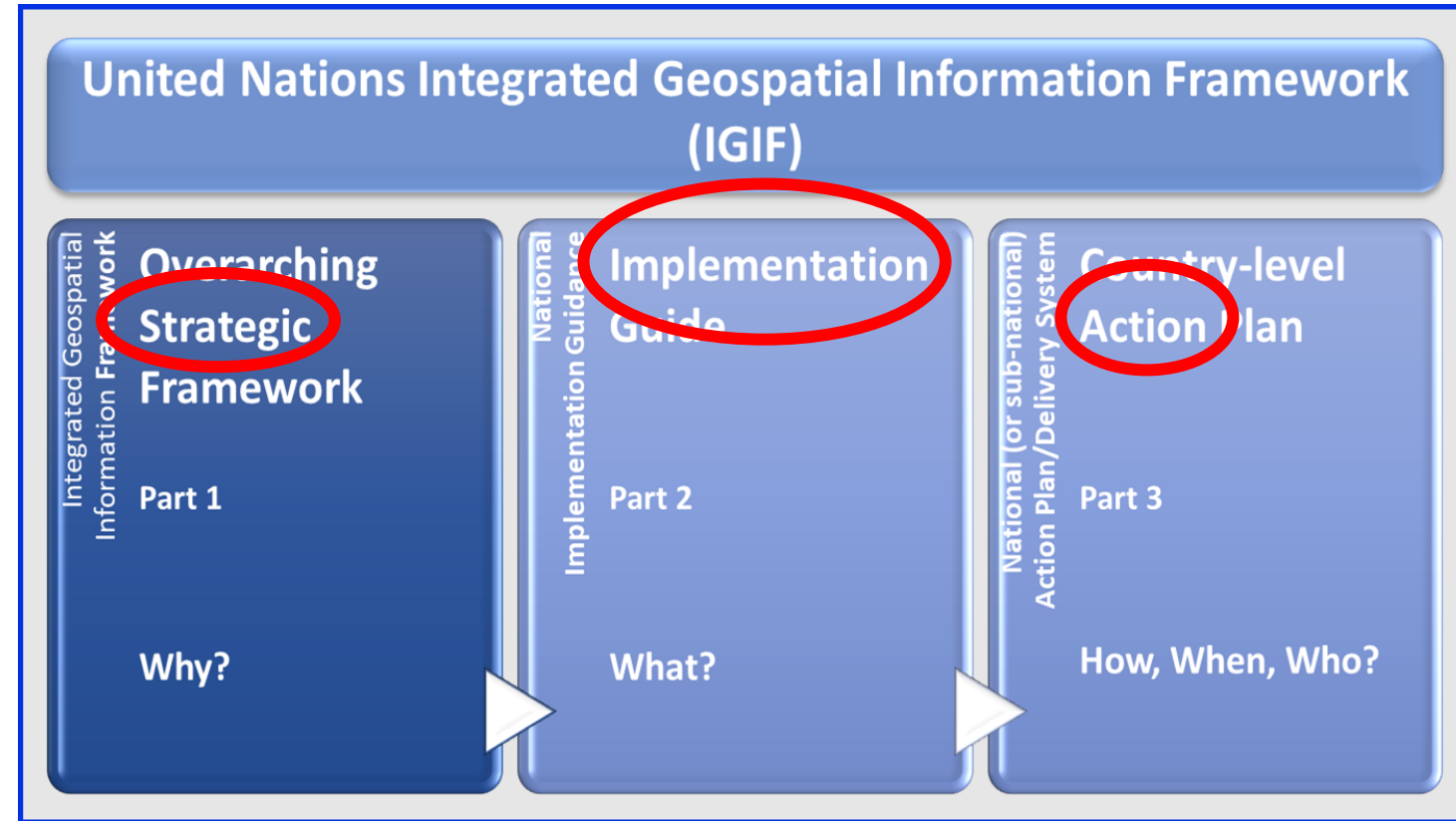
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The IGIF is a multi-dimensional Framework that is aimed at strengthening national geospatial information management in countries, developing countries in particular. It comprises an overarching **Strategy** - from local to global, **Implementation** guidance, and **Action** plans at the country level.

With a focus on the ability for geospatial information to be integrated with any other meaningful data to solve societal and environmental problems, the IGIF acts as a catalyst for economic growth and opportunity and stimulates improved understanding and decision-making for national development priorities and the SDGs.

Globally developed, consulted and adopted



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



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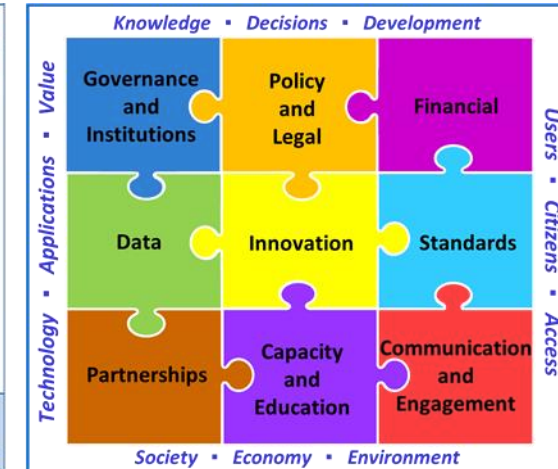
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The Overarching Strategic Framework is a mechanism for articulating and demonstrating national leadership, cultivating champions, and developing the capacity to take positive steps.

- Adopted by UN-GGIM in August 2018, the Overarching Strategic Framework sets the context of ‘why’ geospatial information management is a critical element of national social and economic development, and ‘why’ it needs to be strengthened.
- This is the strategic policy guide to reference when developing and strengthening national and sub-national geospatial information management systems and capabilities. It presents a forward-looking and aspirational geospatial framework built on national needs and circumstances.
- As a ‘strategic’ introduction to the IGIF, the intended audience includes national leaders, political leaders, organizational managers, the business community and academia.
- Comprises a **Vision and Mission, Strategic Drivers, 7 Underpinning Principles, 8 Goals, 9 Strategic Pathways**, and defined **Benefits** that take account of national priorities.

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		

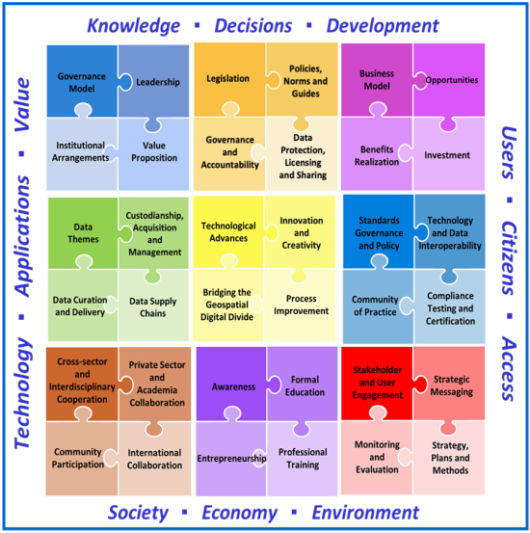
STRATEGIC PATHWAYS								
Governance and Institutions	Policy and Legal	Financial	Data	Innovation	Standards	Partnerships	Capacity and Education	Communication and Engagement
Governance	Technology	People						
Governance model Leadership Value proposition Institutional arrangements	Legislation Policies, norms and guides Data protection, licensing and sharing Governance and accountability	Business model Opportunities Investment Benefits realization	Data themes Data supply chains Data curation and delivery	Technical advances Process improvement Innovation and creativity Bridging the geospatial digital divide	Standards governance and policy Technology and data interoperability Compliance testing and certification Community of Practice	Cross-sector and interdisciplinary cooperation Private sector and academia collaboration International collaboration Community participation	Awareness Formal education Professional training Entrepreneurship	Stakeholder and user engagement Strategic messaging and engagement Communication strategy, plans and methods Monitoring and evaluation
BENEFITS								
Knowledge Decisions Development Society Economy Environment Users Citizens Access Technology Applications Value								



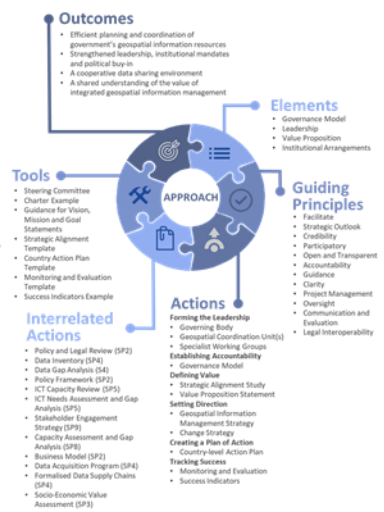
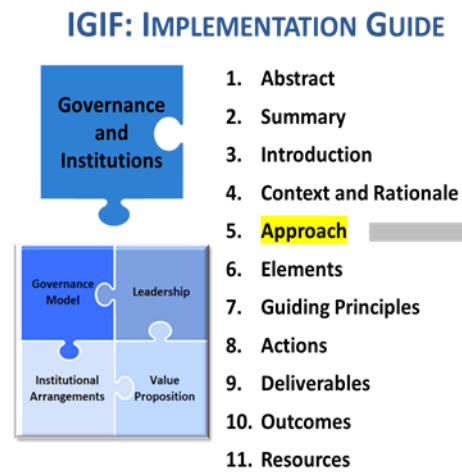
The Implementation Guide is a reference resource that defines, describes and offers helpful guidance and options on actions to be taken for each of the 9 Strategic Pathways in such a way that transformational change is enabled, visible and sustainable.



- Adopted by UN-GGIM in September 2020, the Implementation Guide explains ‘what’ specific guidance and options can be taken by countries in implementing the IGIF.
- Expanding on each of the nine Strategic Pathways, the Guide captures strategic to operational needs with references, good practices, guiding principles, actions, deliverables, outcomes and resources for countries to establish ‘nationally’ integrated geospatial information frameworks in such a way that transformational change is enabled, visible and sustainable.
- Recognizing that every country is at different levels of maturity in their geospatial development journey, the guidance is comprehensive, but general enough to be applicable to all countries, and sufficiently flexible so that each country can develop their own Action Plans to meet their national priorities and circumstances.

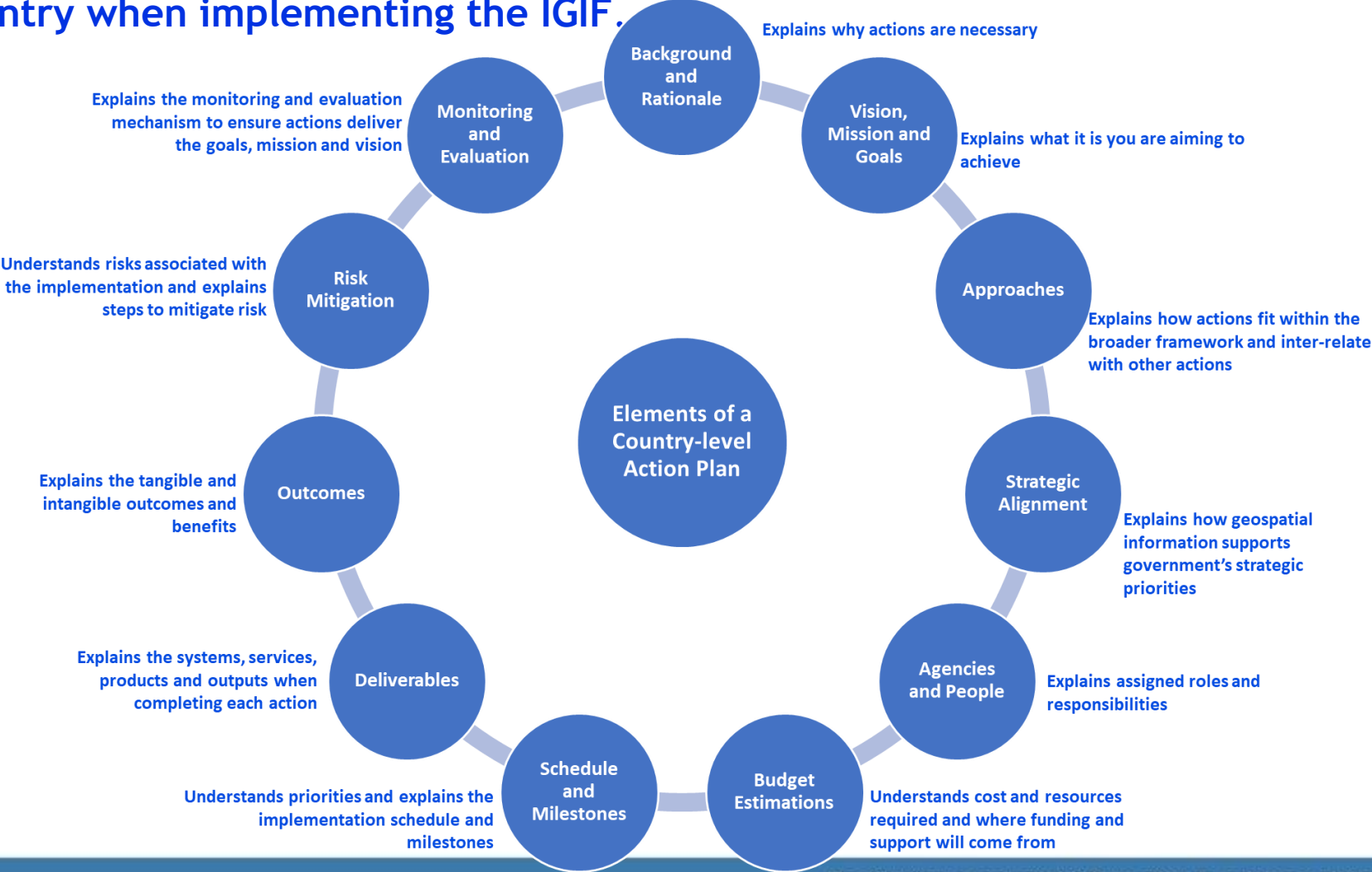


- Category of Action: **Managing Data Sustainably**
- Actions: Data Custodianship Policy and Guidelines
Data Governance
Maintained Metadata
Storage and Retrieval Systems
Data Release
- Tools: Data Custodianship Policy Example
Data Management Plan Elements
Metadata Creation Checklist
Data Release Guidelines
- Interrelated Actions: Governance Model (SP1)
Geospatial Steering Committee (SP1)
Geospatial Information Coordination Unit (SP1)
Policy Framework (SP2)
Data Standards (SP6)
Storage Solutions (SP5)



Countries prepare and then implement the IGIF with their own country-level Action Plans that align with the countries' priorities and circumstances

Countries prepare and implement the IGIF with their own country-level Action Plans (CAPs) that align with the country'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 IGIF.



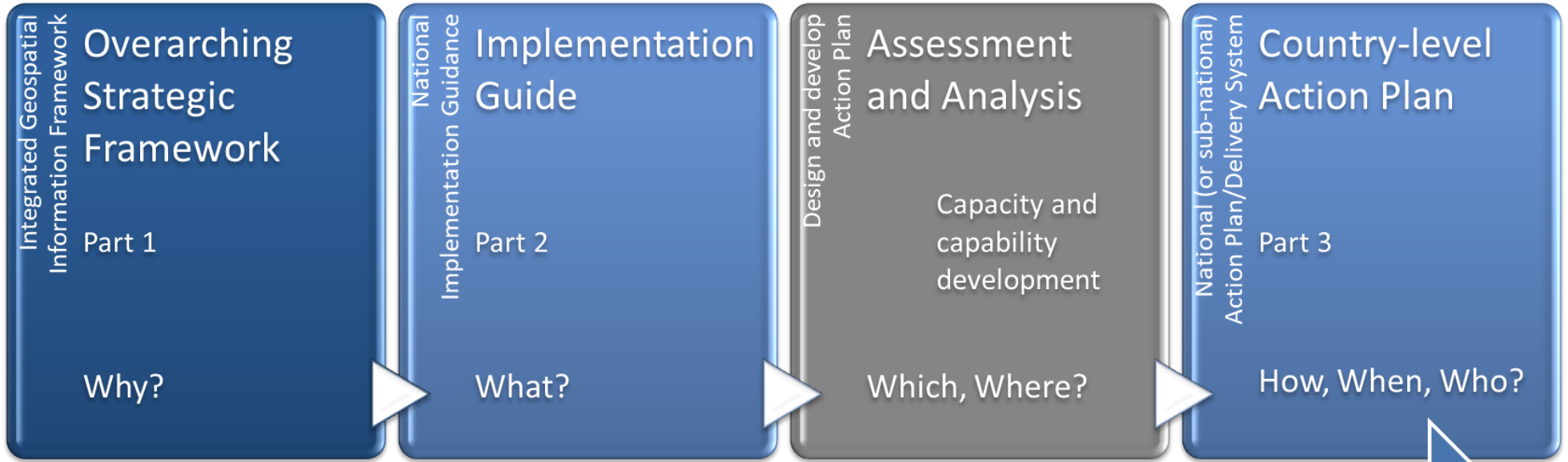


Operationalizing the IGF at the country-level

UN approach:

Self-paced through learning and discovery together with capacity and capability development - methodological, incremental and progressive.

Remote support through access to resource materials and subject matter expertise



Planning and preparing

Assessing and analyzing

Designing and developing

Plan of Action

National Needs Assessment and Gap Analysis Report

Country-level Action Plan

Self-paced through learning and discovery together with capacity and capability development - Methodological, incremental and progressive



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Operationalizing the IGIF at the country-level

Design and develop
Action Plan

Assessment and Analysis

Capacity and
capability
development

Which, Where?

UN piloted approach:
Self-paced through
learning and discovery
together with capacity
and capability
development – remote
support through access
to resource materials
and subject matter
expertise

Planning and preparing

A shared understanding of the IGIF and collective commitment to identify and engage stakeholders, plan and prepare for tasks ahead - gather information, assess and analyze, consult and review, design and develop country-level Action Plan

Assessing and analyzing

Collective efforts towards shared understanding of current situation (including limitations, issues, challenges and opportunities) and a collective understanding of what the desired and future nationally integrated geospatial information management arrangement should be

Designing and developing

Identifying and agreeing what needs to be done (or happen) where, when, by whom and how including sound estimation of resources required to strengthen nationally integrated geospatial information management towards evidence-based implementation of national development priorities and the 2030 Agenda for Sustainable Development

Plan of Action

National Needs Assessment
and Gap Analysis Report

Country-level Action Plan

Self-paced through learning and discovery together with capacity and capability development - Methodological, incremental and progressive



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Design and develop
Action Plan

Assessment and Analysis

Capacity and
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through access to
resource materials and
subject matter
expertise

Planning and preparing

Awareness and Initial Assessment
Stakeholder Identification and Analysis
Project Initiation

PLAN OF ACTION

Assessing and analyzing

Current and Desired Situation Assessment
Baseline Survey
Understanding National Situation and
Analysis
Stakeholder Engagement Activities
Strategic Alignment Exercise
Developing Vision, Mission and Goals
Gap Analysis

NEEDS ASSESSMENT AND GAP ANALYSIS REPORT

Designing and developing

Developing strategic actions (aligning the
IGIF nine strategic pathways with national
priorities)
Estimating resources including budgetary
and funding requirements
Developing an implementation schedule
Developing success indicators

COUNTRY-LEVEL ACTION PLAN

Plan of Action

National Needs Assessment and Gap Analysis Report

Country-level Action Plan

Self-paced through learning and discovery together with capacity and capability development - Methodological, incremental and progressive



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Assessment and Analysis

Capacity and
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development

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expertise

THIS AGREEMENT IS A LEGAL DOCUMENT AND SHOULD NOT BE USED WITHOUT CONSULTING A LAWYER

Geospatial Information Sharing Agreement¹

This Geospatial Information Sharing Agreement (this "Agreement"), effective as of [insert date] (the "Effective Date"), is by and between [Insert name of Geospatial Information Provider], a ("Provider") and [insert name of Geospatial Information User] [the Government Agencies executing on Schedule 1, each a] "User". Provider and User may be referred to herein collectively as the "Parties" or individually as a "Party".

A. Provider² has [insert general type of geospatial information] described in Exhibit A³ (the "Geospatial Information"); and

B. Provider desires to [license/share/transfer/distribute] the Geospatial Information to User, and User desires to [license/use/receive] the Geospatial Information from Provider, subject to the terms and conditions of this Agreement.

C. In consideration of the mutual covenants, terms, and conditions set forth herein, and for other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the Parties agree as follows:

1. Rights Granted.

(a) Rights Granted⁴ Subject to [compliance by User of all of the terms and conditions of this Agreement]⁵, Provider hereby grants User a non-exclusive, [worldwide, [royalty-free], [[non-]sub licensable⁶], and [[non-]transferable] [(except in compliance herein)⁷ [right], [license] [during the Term] [in perpetuity] [unless otherwise terminated as set forth herein] to [use,] [copy,] [distribute,] [publish,] [alter,] [arrange,] [modify,] [extract,] [reuse,] [a substantial portion of] the Geospatial

¹ **This Annotated Geospatial Information Sharing Agreement is not legal advice. A party should obtain legal counsel before preparing the Agreement for use.**

² In some cases, a Provider may wish to include a statement that has proper rights in the Geospatial Information being licensed.

³ One of the benefits of including a description of the Geospatial Information in a separate document is that it can be easier and quicker to revise or amend than if the description is included in the body of the Agreement.

⁴ This section describes the rights that the Provider grants to the User in the Geospatial Information. Alternatively, the Provider might want to specify which of the bundle of rights it has in the Geospatial Information are being granted. If the Provider has licensed the Geospatial Information from a third party, it is imperative to make sure that it has the authority to grant the rights hereunder. For further information of this type, see Section 3.2 of the Compendium on the Licensing of Geospatial Information ("the Compendium").

⁵ To include if Provider wants the right to be able to terminate for User's failure to comply with the Agreement.

⁶ To make it clear whether User has the right to sublicense the Geospatial Information to a third party. A sublicense grants the User the right to license the Geospatial Information directly to a third party (but only to the extent of the rights granted to them by the Provider) without having to obtain the Provider's approval.

⁷ To make it clear whether User can transfer the rights granted in the Agreement to a third party.

UN INTEGRATED GEOSPATIAL INFORMATION FRAMEWORK (IGIF) GUIDANCE AND RESOURCES FOR IMPLEMENTING STRATEGIC PATHWAY 9: COMMUNICATION AND ENGAGEMENT

CONTENTS V1



RECOMMENDATIONS

ENVIRONMENTAL

1. PURPOSE

Environment

geospatial

information

the system

Environment

stakeholders

Have

2. SCOPE

The

and

geospatial

information

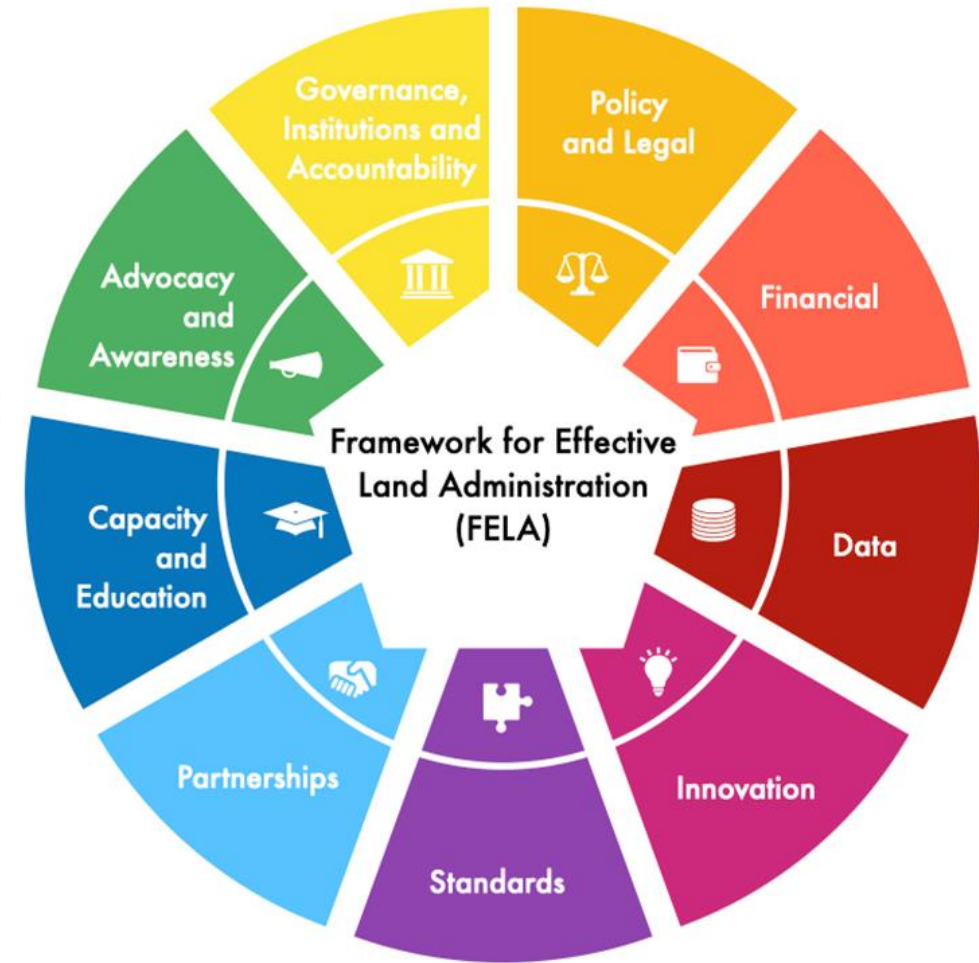
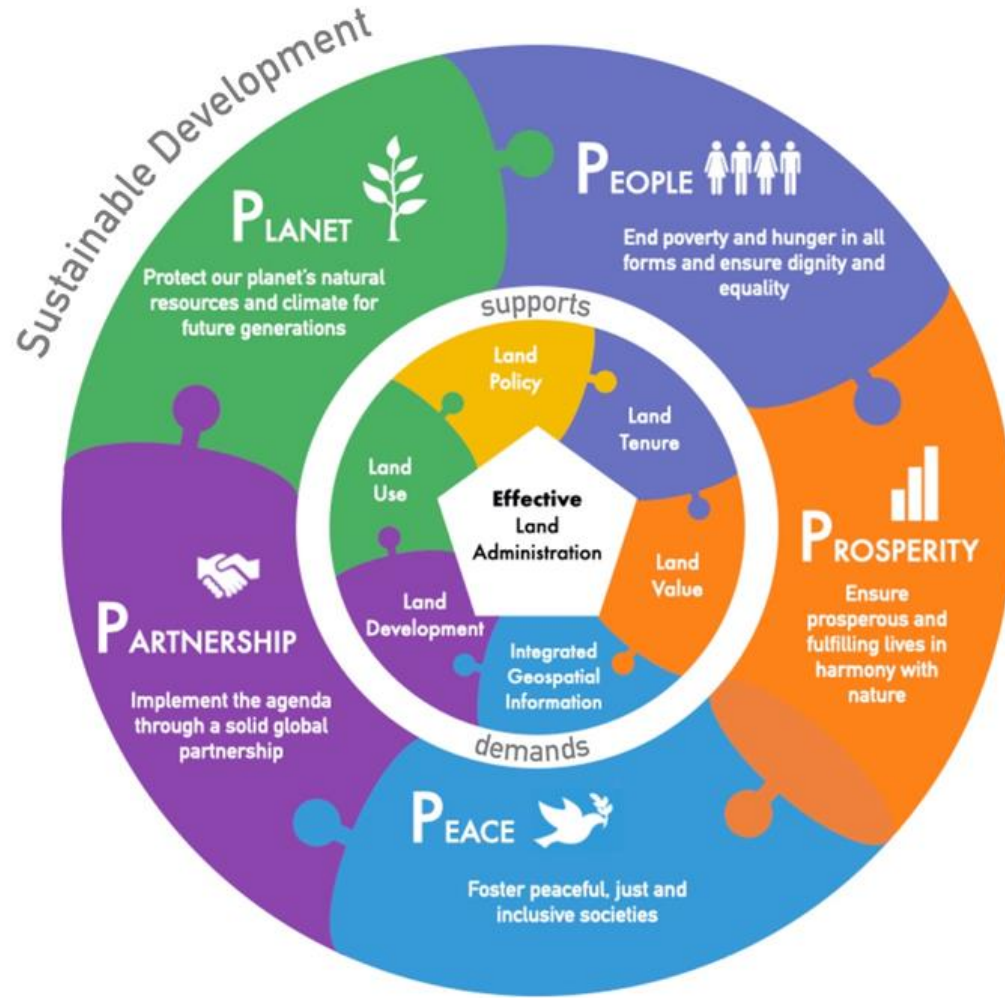
the system

CONTENTS

- Overview and how to use the communications guidance and resource toolkit (including its relationship with SP9)
- A guide to developing a communications strategy
 - Developing key messages, taglines and soundbites
 - Developing a narrative and value proposition
- A guide to developing a communication plan
 - Example Communications Calendar
- A guide to developing and using a logo
- A guide to media relations
- A guide to social media
- A guide to creating promotional materials (newsletters, leaflets etc)
- A guide to repurposing and reusing content

Land administration relates people to land and informs on the 'how', the 'what', the 'who', the 'when' and the 'where' of land tenure, land use, land value, and land development.

Land administration systems are the basis for recording the complex range of rights, restrictions and responsibilities related to people, places, and policies



Effective land administration provides humanity with better access to and security of land and property rights and leaving no one behind - the commitment of the 2030 Agenda for Sustainable Development



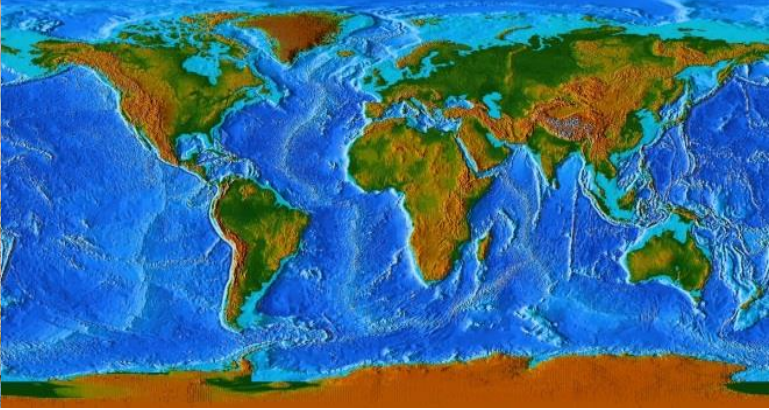
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Transforming our world -
The 2030 Agenda for
Sustainable Development



THANK YOU

I H A N K Y O U



Twelfth Session of the
United Nations
Committee of Experts
on Global Geospatial
Information
Management
3 – 5 August 2022
UNHQ, New York



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