



# UN-GGIM Integrated Geospatial Information Framework

## A tool for supporting national processes on geospatial information management

Technical Assistance of ECLAC to the Management Institute for Land Registration and Land Information System - MI-GLIS

Paramaribo, Suriname, 04 to 07 December, 2018

# INTEGRATED GEOSPATIAL INFORMATION FRAMEWORK

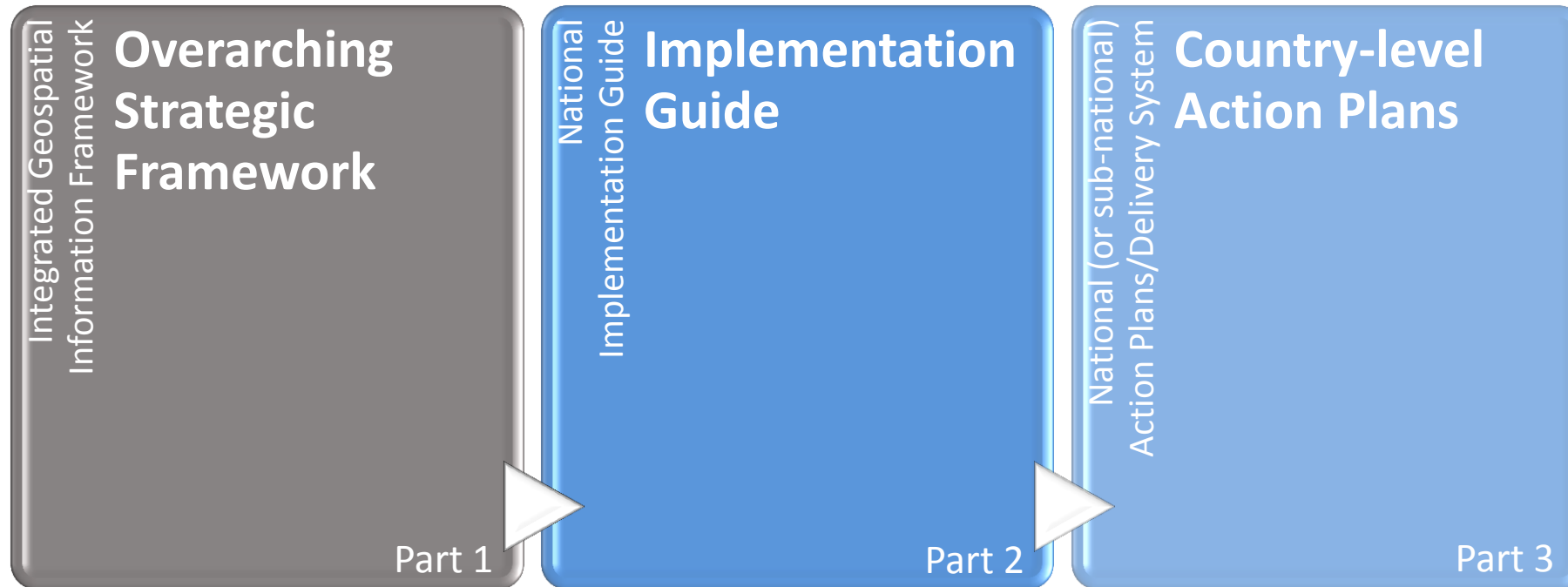
## Introductory



The Integrated Geospatial Information Framework is a United Nations endorsed Framework that was developed in collaboration between the United Nations and the World Bank, originally to **provide a basis and guide** for lower to middle income countries to reference **when developing and strengthening their national and sub-national arrangements** in geospatial information management and related infrastructures.

# INTEGRATED GEOSPATIAL INFORMATION FRAMEWORK

## Introductory



The **Integrated Geospatial Information Framework** comprises a three-part document set as separate, but connected, documents. The **Overarching Strategic Framework** is fully developed following a global consultation. The structure and main elements of the **Implementation Guide** are developed and structure approved in-principle. The **Country-level Action Plans** are work in progress.

# INTEGRATED GEOSPATIAL INFORMATION FRAMEWORK

## Document Structure

### PART 1 (completed)

The [Overarching Strategic Framework](#) sets out the **nine strategic pathways** to assist governments starting the journey of implementing integrated geospatial information management practices. It is to be used as an **engagement tool to bring about coordination, collaboration and coherence** across government when working towards strengthening national geospatial information management and use

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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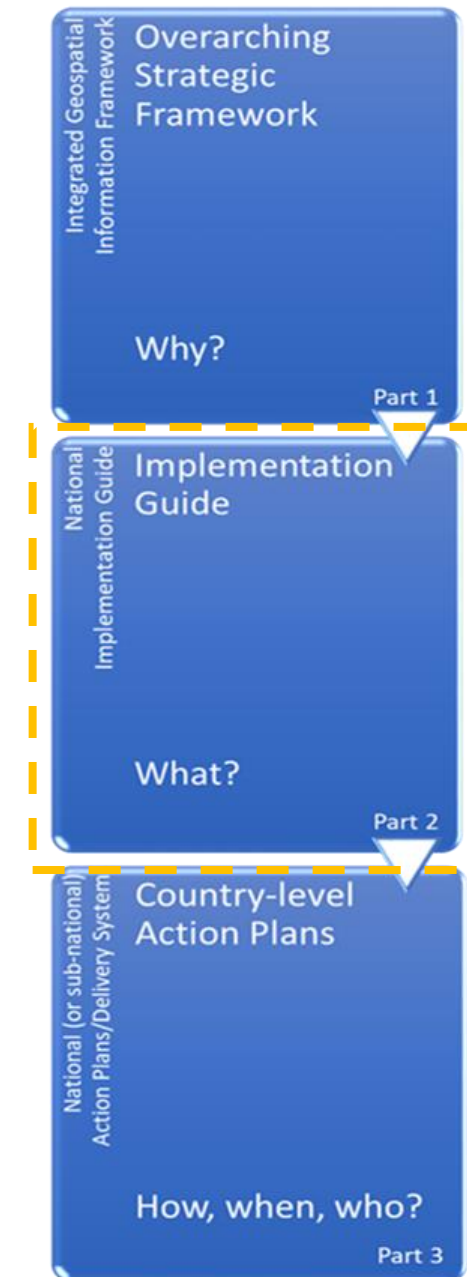
## Document Structure

### PART 2 (in process)

[Implementation Guide](#) provides the ‘what’, the more detailed specifics and **actions to be taken** in implementing the Framework.

Expanding on each of the nine strategic pathways, the Guide comprises **reference guides, good practices and specific principles** for each of the strategic pathways.

The aim is to **provide guidance for governments to establish ‘nationally’ integrated geospatial information frameworks** holistically in countries in such a way that transformational change is enabled, visible and sustainable.



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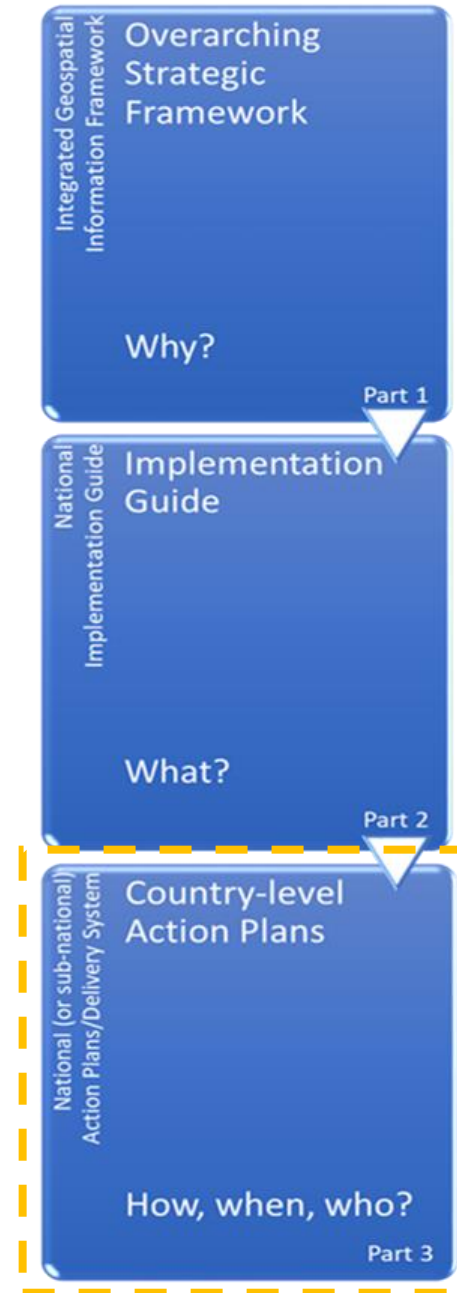
## Document Structure

### PART 3 (next step)

Country-level Action Plans will provide **templates and guides to operationalize the Framework** in a national and sub-national context.

Providing the ‘how, when and who’ approach, **this document will assist countries to prepare and implement their own country-level Action Plans** taking into consideration national circumstances and priorities.

The country-level Action Plans will include elements such as the **economic impact and value of geospatial information systems**, identification of investment needs, priorities, analysis of socio-economic benefits and potential funding sources.



## PART 1

# INTEGRATED GEOSPATIAL INFORMATION FRAMEWORK

## Vision

The vision is that governments are able to achieve sustainable social, economic and environmental development **through the effective use of national geospatial information, systems and capabilities** for evidence-based policy and decision-making

Additionally, it recognizes that any national SDG implementations will be optimized using **strategies and frameworks that integrate geospatial information** into overall national economic prosperity and social development processes



## PART 1

# INTEGRATED GEOSPATIAL INFORMATION FRAMEWORK

## Mission

The mission is for countries to **promote and support the required innovation, leadership, coordination and standards** in order to **develop, strengthen, integrate and deliver** national geospatial information policy, data, systems, tools, services and capabilities into their national government development policies, strategies and arrangements.





## PART 1

# INTEGRATED GEOSPATIAL INFORMATION FRAMEWORK

## Drivers

### Strategic Alignment to Global Agendas

- **2030 Agenda** for Sustainable Development
- Agenda 2063, the future we want for Africa
- INSPIRE

### Community Expectations

- Community expectations evolve with advancements in technology
- Need to deliver geospatial information in a way that can be **visualized and integrated anywhere, anytime**

### Transforming Government

- Geospatial Information management is a **core element to governments** following transformation agendas
- Enables **integration** of shared data, improving **transparency** and evidence-based decision-making

### Bridging the Digital Divide

- Geospatial Information management technologies and processes can give governments, businesses and communities **an opportunity to digitize and encourage innovation**

# INTEGRATED GEOSPATIAL INFORMATION FRAMEWORK

## Goals

### **GOAL 1: Effective Geospatial Information Management**

Effective governance, policy and institutional arrangements that enable geospatial information management, accommodate **individual organizational requirements and arrangements**, and are **aligned to global policy frameworks**.

### **GOAL 2: International Cooperation and Partnerships Leveraged**

International cooperation and partnerships are leveraged in a way that fosters the management and exchange of geospatial information **in support of national development interests**.

### **GOAL 3: Increased Capacity, Capability, and Knowledge Transfer**

Mechanisms are established to **raise awareness of the value and use of geospatial information, promote capacity and capability**, and build an inventive and resourceful mindset across government, industry, private and community sectors.

### **GOAL 4: Integrated Geospatial Information Systems and Services**

Geospatial information, including community information is integrated across the government sector and maximized for evidence-based policy and decision-making.

# INTEGRATED GEOSPATIAL INFORMATION FRAMEWORK

## Goals

### **GOAL 5: Economic Return on Investment**

An **economic return on investment is realized** through best practice management and the innovative use of integrated geospatial information

### **GOAL 6: Sustainable Education and Training Programs**

Education and training programs are established **to grow the number of professionals** in the fields of geography, data science and geospatial information technology, and to **develop specialist skills** related to geospatial financial systems, policy and law, and project management.

### **GOAL 7: Enhanced National Engagement and Communication**

**All stakeholder groups** and specifically high-level decision-makers and champions are **fully engaged on the value of integrated geospatial information** for decision-making and economic development.

### **GOAL 8: Enriched Societal Value and Benefits**

Social and economic development, and environmental sustainability is **enriched through increased levels of use of integrated geospatial information** products and services.

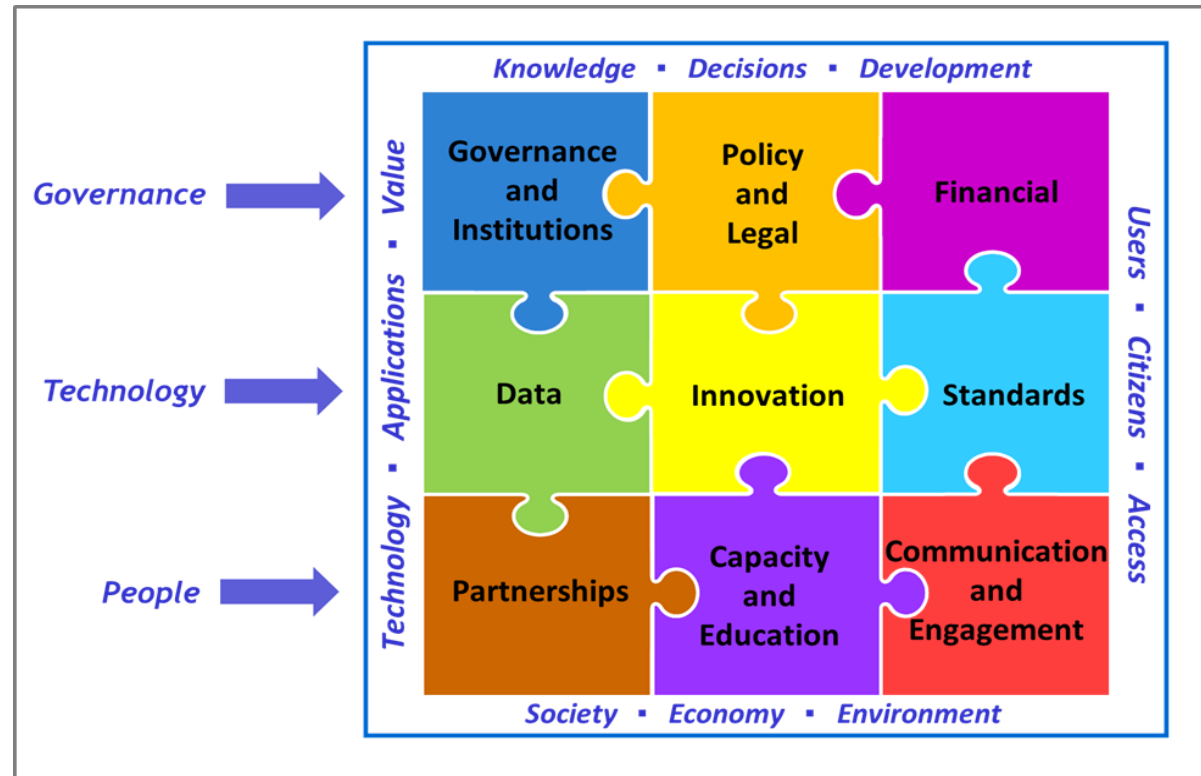
# INTEGRATED GEOSPATIAL INFORMATION FRAMEWORK

## Strategic Pathways

The Framework is anchored by **nine (9) strategic pathways** in three (3) main areas of influence: **governance; technology; and people.**

The strategic pathways are presented as separate pieces of a jigsaw puzzle that when joined together, **the Framework is connected, integrated and implemented**

The nine strategic pathways are **surrounded by the benefits that are able to be realised** when implemented together



# INTEGRATED GEOSPATIAL INFORMATION FRAMEWORK

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



Thank you !

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