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REGIONAL COMMITTEE OF UNITED NATIONS  
ON GLOBAL GEOSPATIAL INFORMATION  
MANAGEMENT FOR THE AMERICAS



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# **X SESSION**

# **UN-GGIM:**

# **AMERICAS**

October 18, 19 and 20 - 2023  
**Santiago de Chile, ECLAC**

## **Advances and Use Cases in the Implementation of the UN-IGIFM**

**The Saint Lucia Experience**

# Introduction

- Saint Lucia is an island of approximately 616 square kilometers of land.
- In 2022, its population was estimated at 179,857.
- Importance of Geospatial Information recognized:
  - 1980's:- Land Registration and Titling Project(LRTP)
  - 2010's:-2020's Disaster Vulnerability Reduction Project
    - NSDI Implementation support through JV KU Leuven and Kadaster International was engaged from 2019 to 2023



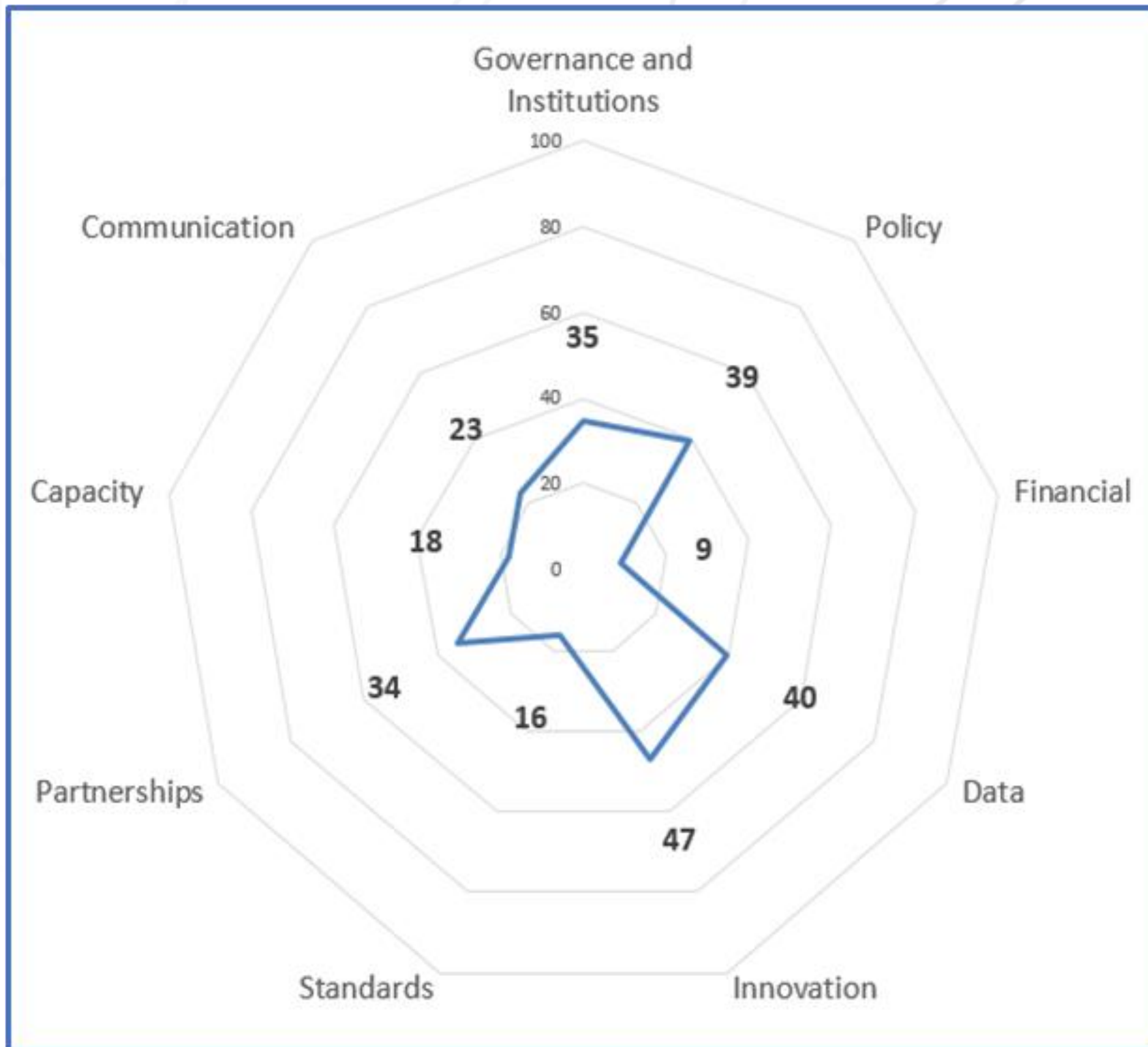
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# Initial Assessment



## Lowest scores:

**Financial (9)** – No sustainable business model for a functional NSDI, no exploration of opportunities to raise additional revenue or to reduce the direct cost of NSDI development

**Standards (16)** – no system to apply nationally endorsed standards.

## Highest scores:

**Data (40)** – Saint Lucia has a lot of geospatial information as agencies collect their own data

**Innovation (47)** – St Lucia uses and collects data through the use of state of the art technology.



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# The Vision

**To enable an environment where all stakeholders collaborate to efficiently share, access and use quality spatial data in innovative ways to support sustainable development.**



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# Action Plan

## Strategy 1. Governance and institutions

Objective: To strengthen the NSDI Governance and institutional mandates and build a strong data sharing culture among the stakeholders of NSDI of Saint Lucia

ACTION	DEADLINE	STATUS
Define Governance model	Year 1	In progress
Establish NSDI Unit	Year 1	In progress
Empower the NGCC and the NGTC	Year 1	ToR is being developed



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# Action Plan

## Strategy 2. Policy and Legal

Objective: To tailor and adopt geospatial polies and regulations that are aligned with the current needs of the Saint Lucia society and NSDI stakeholders

ACTION	DEADLINE	STATUS
Approve NSDI Policy	Year 1	In progress
Establish NSDI Act	Year 3	
Invest in digitalization/e-government regulations	Year 3	ToR is being developed
Adopt Saint Lucia 2014 Datum	Year 1	



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# Action Plan

## Strategy 3. Financial

Objective: To guarantee a financial budget allowing to establish and maintain the NSDI of Saint Lucia in a sustainable way

ACTION	DEADLINE	STATUS
Develop sustainable business model	Year 1	
Conduct a NSDI socio-economic impact assessment study	Year 1	
Clarify a sustainable funding model	Year 2	
Develop a coherent and sustainable data/service pricing policy	Year 2	
Establish financial roadmap of key priority actions	Year 1	



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# Action Plan

## Strategy 4. Data and metadata

Objective: To create a data infrastructure facilitating the data management, sharing, and (re)use of NSDI-stakeholders and the wider user community

ACTION	DEADLINE	STATUS
Move away from old storage options and migrate to server database storage such as PostgreSQL/POSTGIS, MySQL	Year 1	In progress
Endorse the proposed national metadata profile for geospatial data (based on ISO 19115)	Year 1	In progress
Complete metadata documentation for core datasets	Year 1	In progress
Apply OGC standard Geopackage for data exchange	Year 1	In progress
Harmonize cross-domain data	Year 1	In progress



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# Action Plan

Strategy 5. Technological Infrastructure (including services and innovations)

Objective: To apply the latest cost-effective technologies and innovations allowing to fit the current and future demands to the NSDI

ACTION	DEADLINE	STATUS
Maintain a central catalogue for documenting datasets	Year 1	In progress
Implement the roadmap for the central NSDI Geoportal	Year 1	In progress



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# Action Plan

## Strategy 6. Standards

Objective: To apply standards enabling to discover, manage, communicate, exchange and apply geospatial data and/or services of the NSDI of Saint Lucia from multiple sources for a multitude of purposes

ACTION	DEADLINE	STATUS
Develop a National standards strategy plan	Year 1	
Adopt and implement a Modern Datum/Projection as standard coordinate reference system (CRS)	Year 5	



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## Strategy 7. Partnership

Objective: To strengthen inter-organizational culture and invest in trusted partnerships and strategic alliances that recognize common needs, aspirations and goals, towards achieving national priorities and outcomes

ACTION	DEADLINE	STATUS
Identify and establish relevant sustainable Public Private Partnerships (PPPs)	Year 3	
Strengthen partnerships with academia/educational institutions	Year 3	



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# Action Plan

## Strategy 8. Capacity Building

Objective: To build human capacity and offer tailored education necessary for using, maintaining and further developing the NSDI of Saint Lucia

ACTION	DEADLINE	STATUS
Develop NSDI unit training budget plan based on capacity building plan	Year 3	In progress
Develop training budget/plan for NSDI stakeholders	Year 3	In progress
Develop Moodle platform for training	Year 3	
Compile a list/register of good NSDI practices	Year 1	In progress



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# Action Plan

## Strategy 9. Communication and Engagement

Objective: To develop effective communication and engagement policies to enhance participation and contributions from all stakeholders in the multiple identified areas and at all levels

ACTION	DEADLINE	STATUS
Develop a communication and engagement strategy plan	Year 1	
Setup a user feedback mechanism		
Organize NSDI Day and other communications activities	Year 3	
Communicate to a broader audience using channels such as newspapers, online, radio, television, etc.	Year 1	



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# Thank you!



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