



Ministry of  
Justice of  
Georgia



NATIONAL AGENCY OF  
**PUBLIC**  
**REGISTRY**






# National Agency of Public Registry Ministry of Justice of Georgia

Mari Khardziani  
Head of International Relations Service  
National Agency of Public Registry  
Ministry of Justice of Georgia







September 27, 2023

# National Agency of Public Registry

## Geospatial Data-Related Responsibilities:

-  **Geodesy and Mapping**
-  **Cadastral and Land Registration**
-  **Registry of Municipalities**
-  **Address Registry**
-  **Coordinating creation and development of NSDI**

## Products and Services:

-  **Basic and Thematic Spatial Data**
-  **Topographic Maps**
-  **Orthophoto and Satellite Imagery**
-  **Addresses**
-  **Land Registration and Cadastre**
-  **Land Information**

*NAPR – established in 2004*  
*Full Member of EuroGeographics, Affiliated Member of FIG*

# SDI Development in Georgia



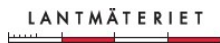
**09/10/2013, Governmental Decree No 262**

NSDI Governance Structure

NAPR – NSDI National Coordinator

**2015-2019**

- Legal and policy draft documents:
  - NSDI draft Law
  - Metadata Regulation and National Profile
  - National Profile of Data Product Specification
  - NSDI Strategy and Action Plan
  - Communication Strategy and Action Plan; and Education Strategy
  - Data Framework - Government Resolution on Geodata Categorization, etc.
- Geoportal v1.0.; metadata catalogue
- Core geospatial data produced or updated
- Partnerships with different stakeholders



Norwegian Ministry  
of Foreign Affairs



Ministry of  
Justice of  
Georgia



NATIONAL AGENCY OF  
PUBLIC  
REGISTRY

# Norwegian Support - IGIF

February 2021 – IGIF Implementation

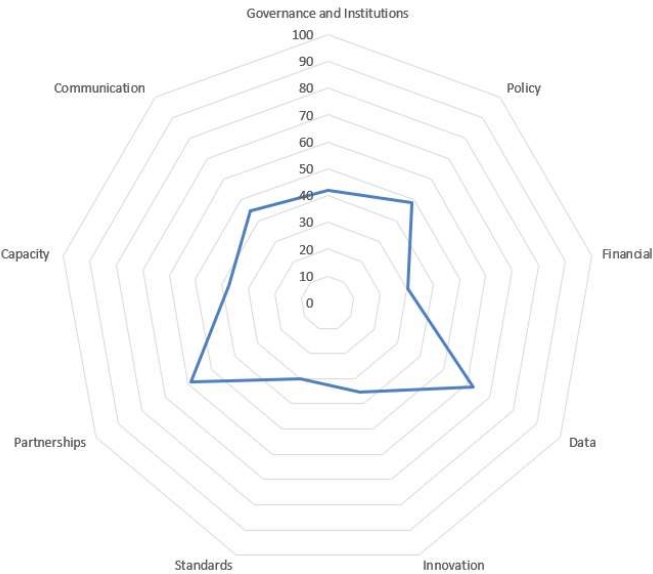


Norwegian Ministry of Foreign Affairs

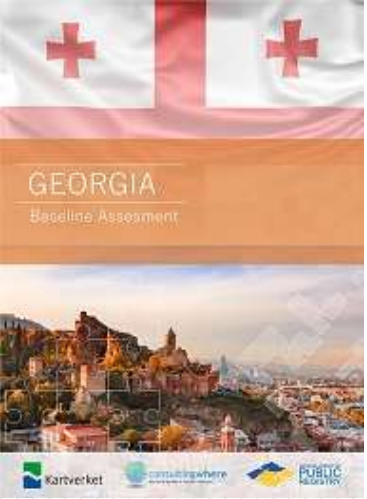


# Baseline Assessment and Report

Governance and Institutions	42
Policy and Legal	49
Financial	31
Data	62
Innovation	35
Standards	30
Partnerships	59
Capacity and Education	37
Communication and Engagement	45



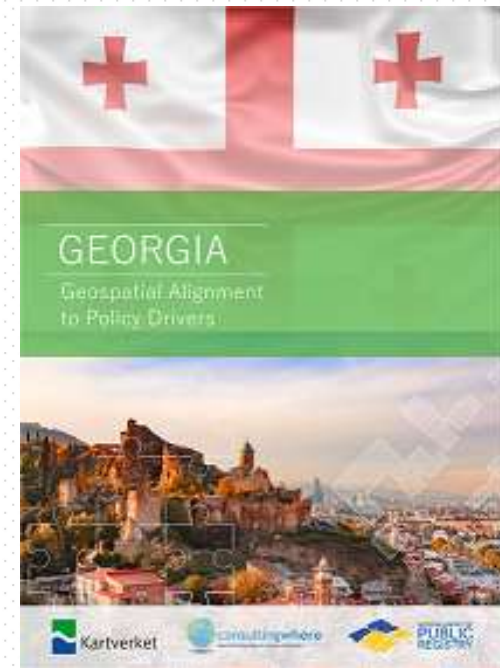
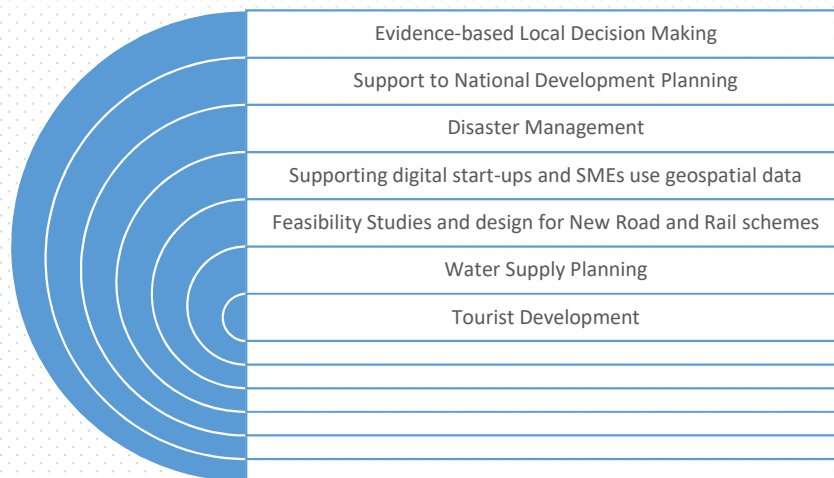
**Overall score: 43.3**



# Geospatial Alignment to Public Policy Drivers of Georgia

Good Governance – why do we need to invest?

- ✓ National policies and strategies studied and analysed
- ✓ Key stakeholders identified, described and analysed
- ✓ More than 75 spatial use cases documented



# Geospatial Alignment to Public Policy Drivers of Georgia & Socio-Economic Impact Assessment



## Economic, Societal and Environmental Benefits

- ✓ Public administration
- ✓ Environment and forestry
- ✓ Disaster preparedness and response
- ✓ Land administration
- ✓ Economic development and national infrastructure
- ✓ Regional development
- ✓ Urban planning and management
- ✓ Greater private sector investment, new jobs
- ✓ Foreign policy, national security
- ✓ Agriculture, increasing crop yields
- ✓ Health care
- ✓ Better asset management for utilities, etc.

Government  
Business  
Citizens

# Socio-Economic Impact Assessment



Cost-Benefit Analysis (Mean Case)



Discounted Cashflow

▮ Present value of benefits   
 ▮ Present value of costs   
 — Net Cashflow



## Action Plan

- More than 50 inter-dependent actions - an integrated roadmap with outlines of costs and timeframes
- Implementation period: 5 years
- Operational period: 7 years

### AUTHORITATIVE DATA

High quality up-to-date geospatial data for evidence-based decision making.



### ACCESSIBLE AND USABLE

A Geoportal that provides an online integrated information resource.

### KNOWLEDGE AND INNOVATION

Awareness knowledge and skills in geospatial technologies.

### COLLABORATION AND VALUE

Cross-sector coordination and partnerships to sustain value for end users.



## 2030 Agenda – Sustainable Development Goals

Data Theme / Sustainable Development Goal (SDG)	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
	No poverty	Zero hunger	Good health	Quality education	Gender equality	Clean water & sanitation	Affordable clean energy	Decent work and economic growth	Industry, innovation & infrastructure	Reduced inequalities	Sustainable cities & communities	Responsible consumption & production	Climate action	Life below water	Life on land	Peace, justice & strong institutions	Partnerships for the goals
Addresses				X		X	X		X		X						
Buildings & Settlements	X		X	X		X	X		X		X	X	X				
Elevation & Depth	X	X	X			X	X				X		X	X	X		
Functional Areas	X	X	X	X	X	X	X	X	X	X	X			X			X
Geographical Names	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Geology & Soils		X	X			X	X	X	X		X	X	X	X	X		
Land Cover/Land Use	X	X	X		X	X	X	X	X		X	X	X	X	X		
Land Parcels	X	X						X	X	X	X					X	
Orthoimagery		X				X			X		X			X	X		
Physical Infrastructure			X	X		X	X		X		X						
Population Distribution	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Transport Networks		X	X					X	X		X						
Water		X	X			X	X		X		X	X	X	X	X		
Global Geodetic Reference Framework		X				X	X	X	X	X	X	X	X	X	X	X	

### Linkages to National Priorities:

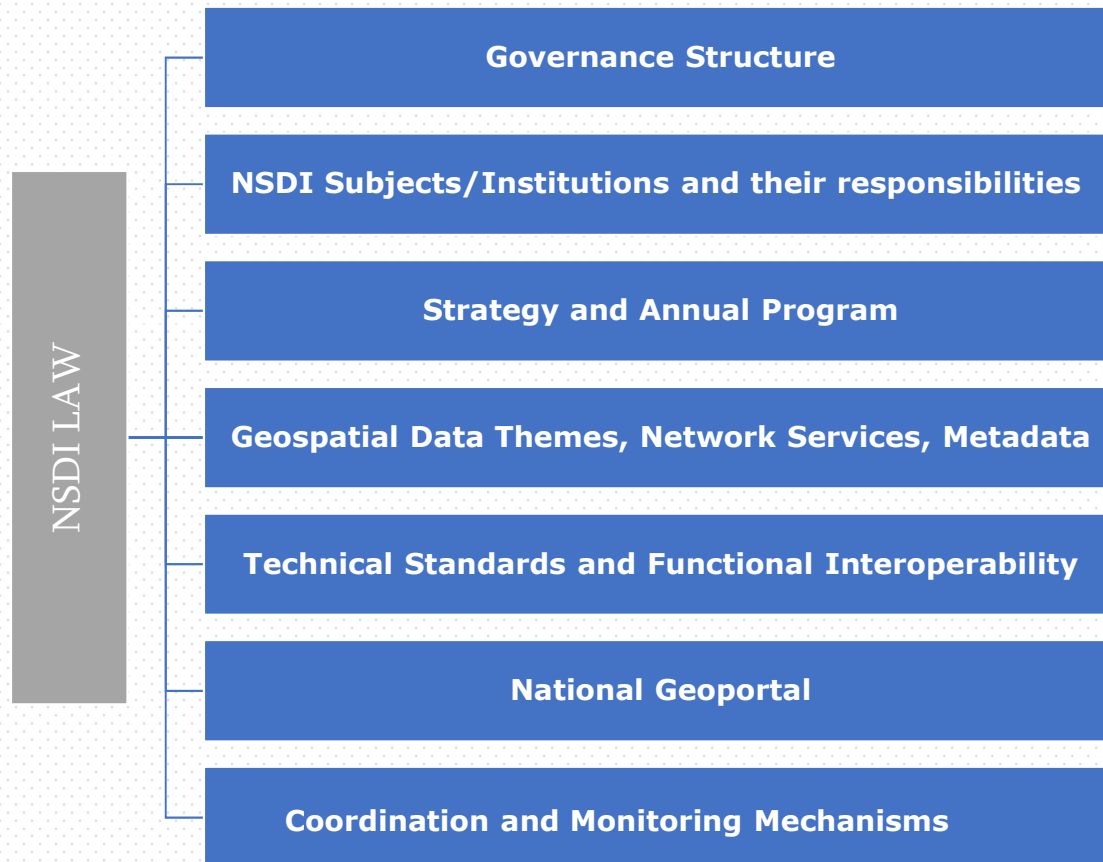
- Registration of Land Plots/ Cadastre
- Addresses

## IGIF to Strengthen NSDI

### Mid-term results and ongoing activities

- ✓ NSDI draft law, pending adoption and NSDI-related governmental resolutions (Actions 2.2 and 2.3) - ongoing
- ✓ Integrated Address Management (Action 4.5) – Ongoing, completion of addressing completed
- ✓ Completion of initial registration and cadastral coverage (Action 4.6.1) – to be completed by end of 2024
- ✓ Maintenance and completion of base maps (Action 4.9) - Completed
- ✓ 5-year plan developed for aerial capture and orthophoto production (Action 4.10) - Completed
- ✓ National map portal developed for citizens (Action 5.3) - Completed

# NSDI Legislative Framework



NSDI Draft Law, adopted with one hearing on 20.09.2023, pending adoption with 2<sup>nd</sup> and 3<sup>rd</sup> hearings.



Ministry of  
Justice of  
Georgia



NATIONAL AGENCY OF  
PUBLIC  
REGISTRY

## Toward Well-Functioning NSDI

**IGIF – strong business case, justification for a new project for NSDI operationalization and sustainable development**

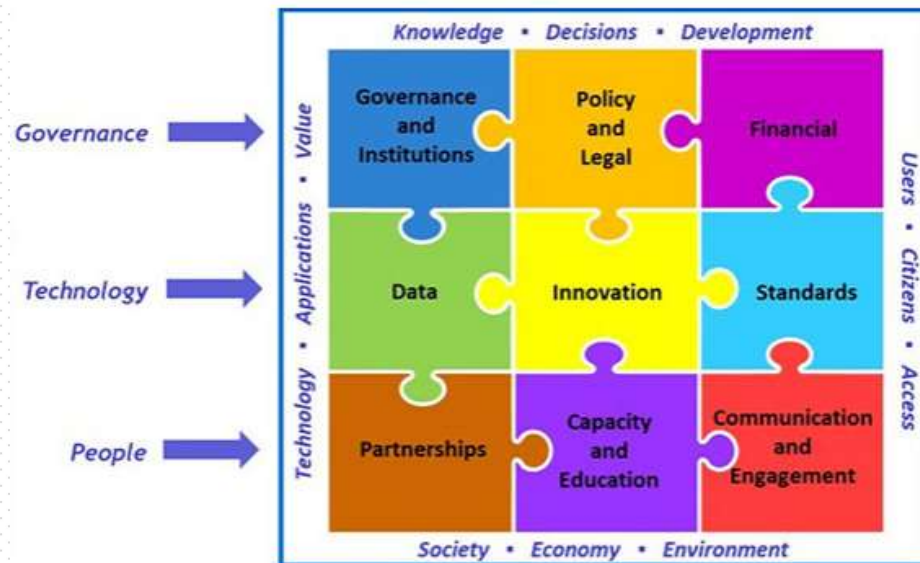
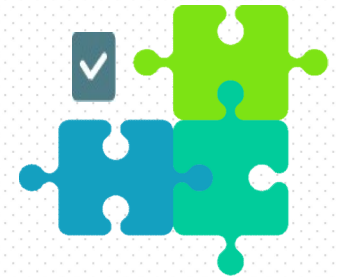


### **WB-funded “Georgia Resilient Agriculture, Irrigation and Land Project - GRAIL**

A sub-component finances next step of IGIF – implementation of action plan, including institutional capacity building, and deployment of Georgia’s NSDI in collaboration with other stakeholders, incorporating best international practices.

# IGIF – Georgian Case

IGIF - A forward-looking framework and effective tool for strengthening NSDI





# Thank you for your attention!

Contact Details:

 E-mail: [mkhardziani@napr.gov.ge](mailto:mkhardziani@napr.gov.ge)

 Tel: +995 595221099