



XXVII FIG CONGRESS

11-15 SEPTEMBER 2022
Warsaw, Poland

Volunteering
for the future –
Geospatial excellence
for a better living

Strengthening NSDI – Using IGF to Support the Process

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National Agency of Public Registry

Ministry of Justice of Georgia



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National Agency of Public Registry – NAPR

Founded in 2004

Agency under the Ministry of Justice of Georgia

Geospatial data related responsibilities:

Land registration and cadastre

Geodesy and mapping

Address Registry

Coordinating creation and development of NSDI

Core Products and Services:

Land registration

Land & cadastral Information

Topographic & interactive maps

Orthophoto & satellite imagery

Addresses

Basic geospatial data

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 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
- Partnerships with different stakeholders

Norwegian Support – IGIF



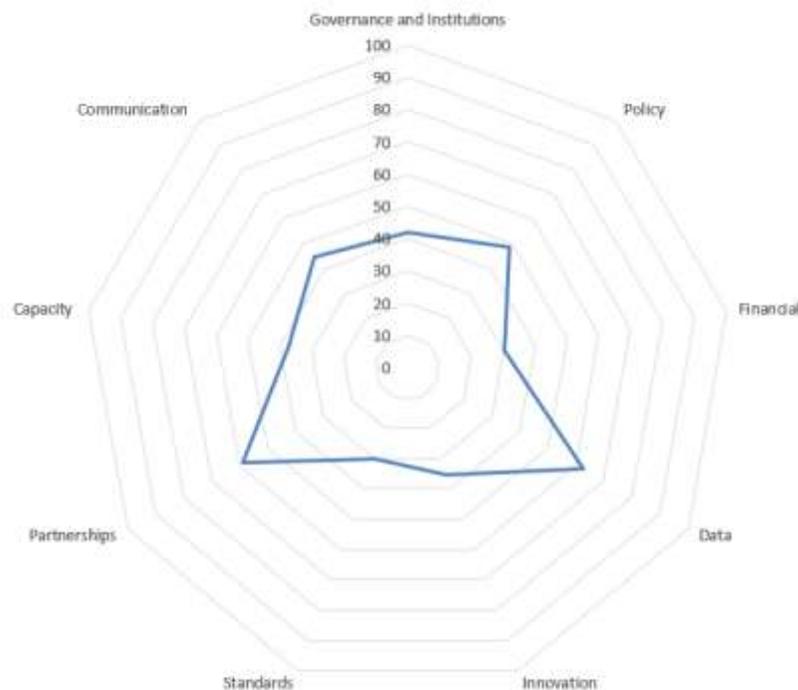
Norwegian Ministry
of Foreign Affairs

February 2021 – IGIF Implementation



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 and Socio-Economic Impact Assessment



Economic, Societal and Environmental Benefits

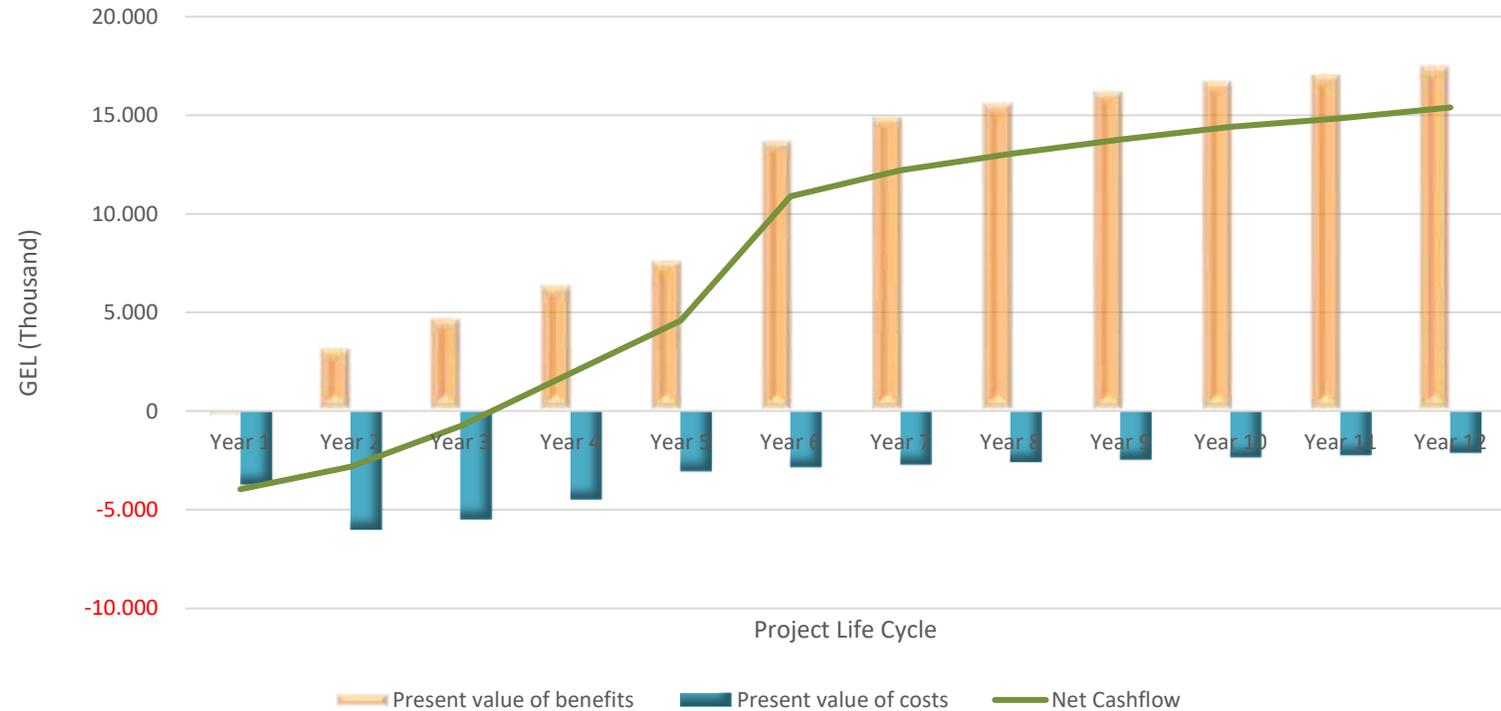
- ✓ Public administration
- ✓ Environment and forestry
- ✓ Disaster preparedness and response
- ✓ Land administration
- ✓ Economic development and national infrastructure
- ✓ Regional development
- ✓ Urban planning and management
- ✓ Greater private sector investment, new jobs
- ✓ Foreign policy, national 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)



Action Plan

- 54 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.

KNOWLEDGE AND INNOVATION

Awareness knowledge and skills in geospatial technologies.



ACCESSIBLE AND USABLE

A Geoportal that provides an online integrated information resource.

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

Revised NSDI draft law, pending adoption (Action 2.3)

Project on completion and streamlining of Address Registry (Action 4.5)

Maintenance and completion of topographic base maps (Action 4.9)

5-year plan developed for aerial capture and orthophoto production (Action 4.10)

Geoportal upgrading - back on the agenda (Action 5.1)

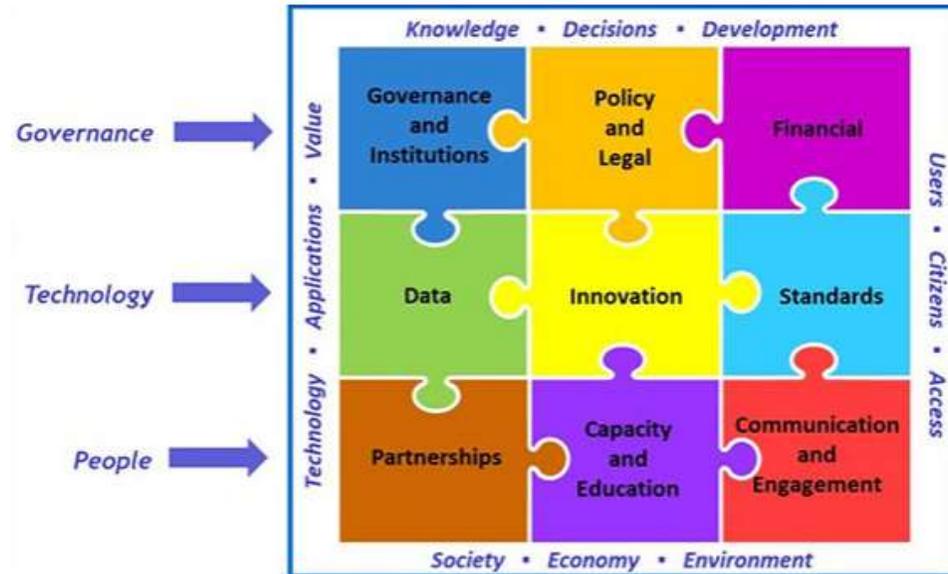
National map portal developed for citizens, including mobile application (Action 5.3)

Resumed/enhanced communication between NSDI actors (Actions 7.1, 7.5, 9.4),

...

IGIF – Georgian Case

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





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Thank you for your attention!

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