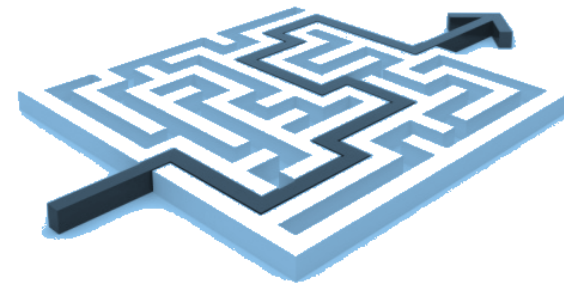




NATIONAL AGENCY OF
**PUBLIC
REGISTRY**

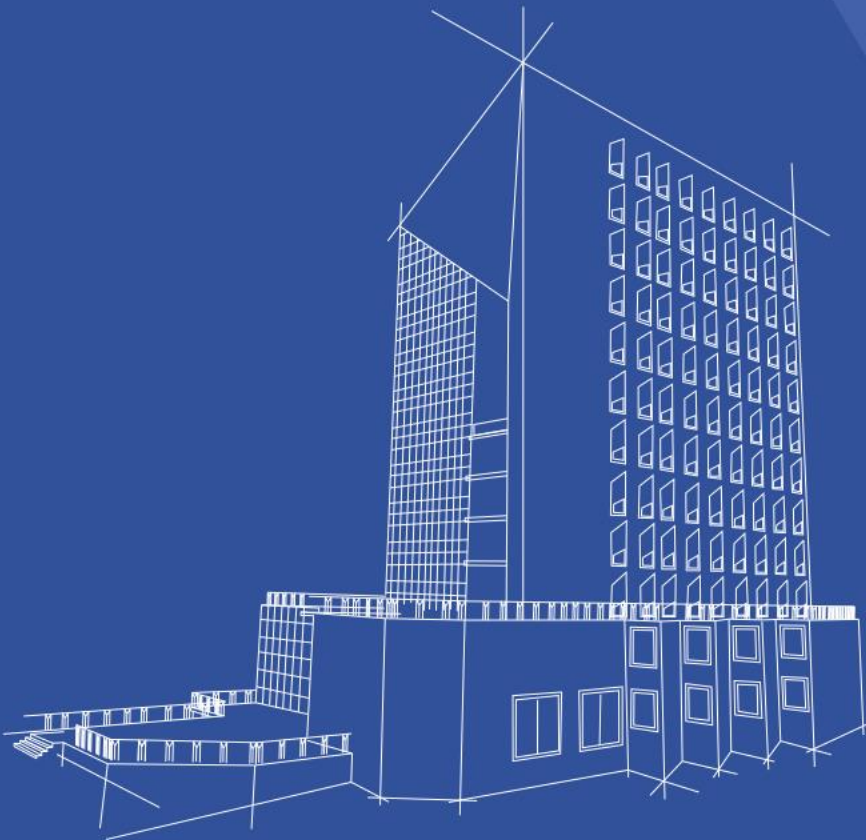


IGIF for Strengthening NSDI in Georgia



Nino Bakhia

National Agency of Public Registry
Ministry of Justice of Georgia



11.10.2022

Georgia - Brief information

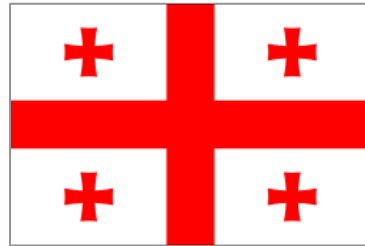
Total area: 69,700 km²

Official Language: Georgian

Population: 3.7 million

Capital city: Tbilisi

GDP Per Capita Income: US\$ 4,700



Aspiration: European and Euro-Atlantic integration





NAPR - Founded in 2004

Geospatial data related Responsibilities:



Land Registration and Cadastre



Geodesy and Cartography



Assigning Addresses to Real Estate, Address Registry



Coordinating creation and development of NSDI

Core Products and Services:

Land Registration

Land & cadastral Information

Topographic & interactive Maps

Orthophoto & Satellite Imagery

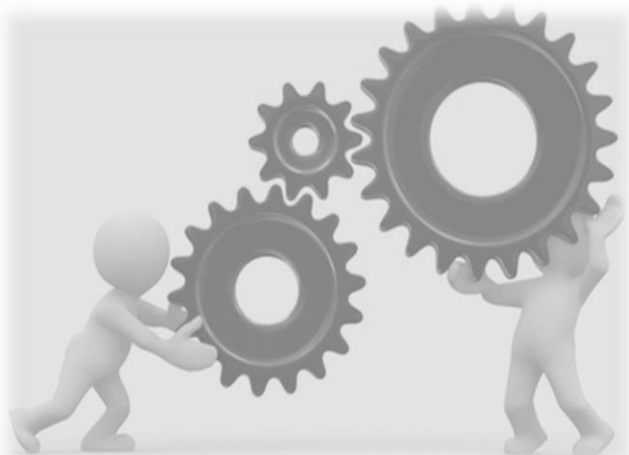
Addresses

Basic geospatial data

Georgia became a full member of EuroGeographics in 2010

2013 - Georgian Government Resolution #262 on setting up a Government Commission for establishment and development of National Spatial Data Infrastructure.

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

2019 – DT Country
Assessment



February 2021 – IGIF
Implementation



Norwegian Ministry
of Foreign Affairs



Kartverket



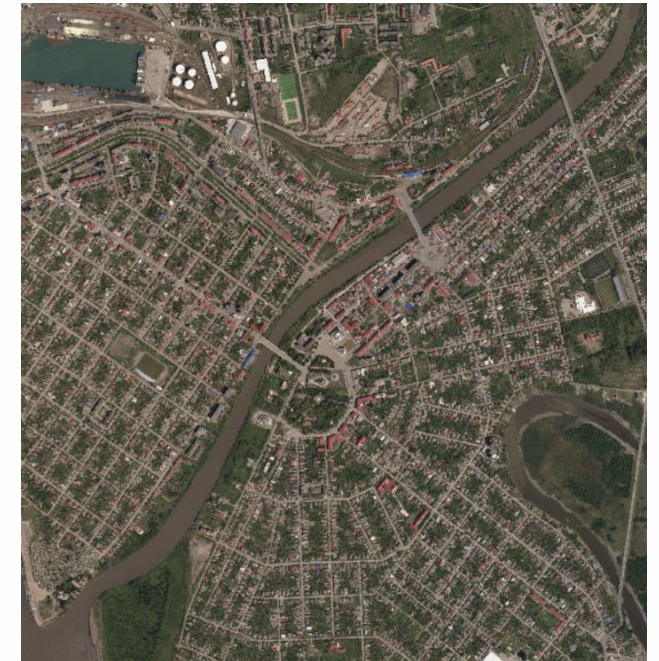
Creation of Digital Base (Vector) Maps with the Support Norwegian Project

Datasets:

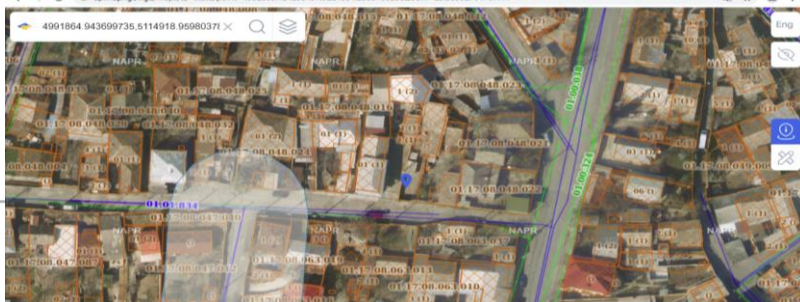
- Buildings
- Hydrography
- Nature
- Transport
- Utilities



Orthoimagery and a Digital Terrain Model



Interactive Map of NAPR



Mobile Application



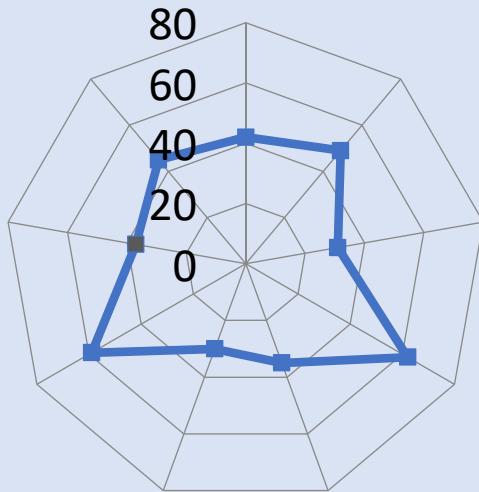
Norwegian Ministry
of Foreign Affairs



Kartverket

Norwegian Support – IGIF

- **Baseline Report**
- **Geospatial Alignment to Policy Drivers**
- **Socio-Economic Impact Analysis**
- **National SDI Action and Investment Plan**



Overall score: 43.3



National Disaster Risk Reduction Strategy of Georgia 2017-2020

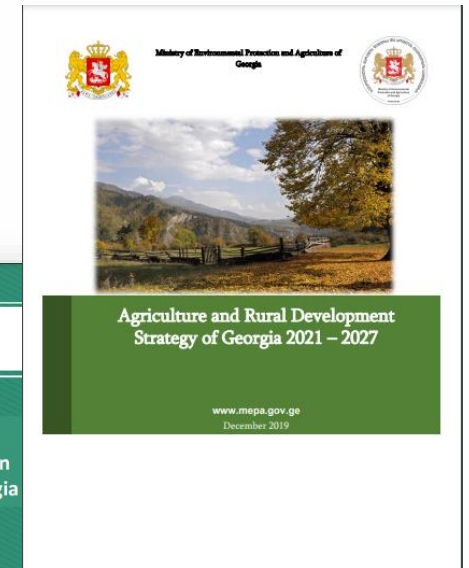
Decentralization Strategy 2020-2025

The Third National Environment Action Programme of Georgia 2017-2021

Agriculture and Rural Development Strategy 2021-2027

Government Program 2021-2024 Toward Building a European State

Regional Development Program of Georgia 2018-2021



Examples of geospatial use cases

Good Governance – why do we need to invest?

Evidence-based Local Decision Making

Support to National Development Planning

Disaster Management

Supporting digital start-ups and SMEs use geospatial data

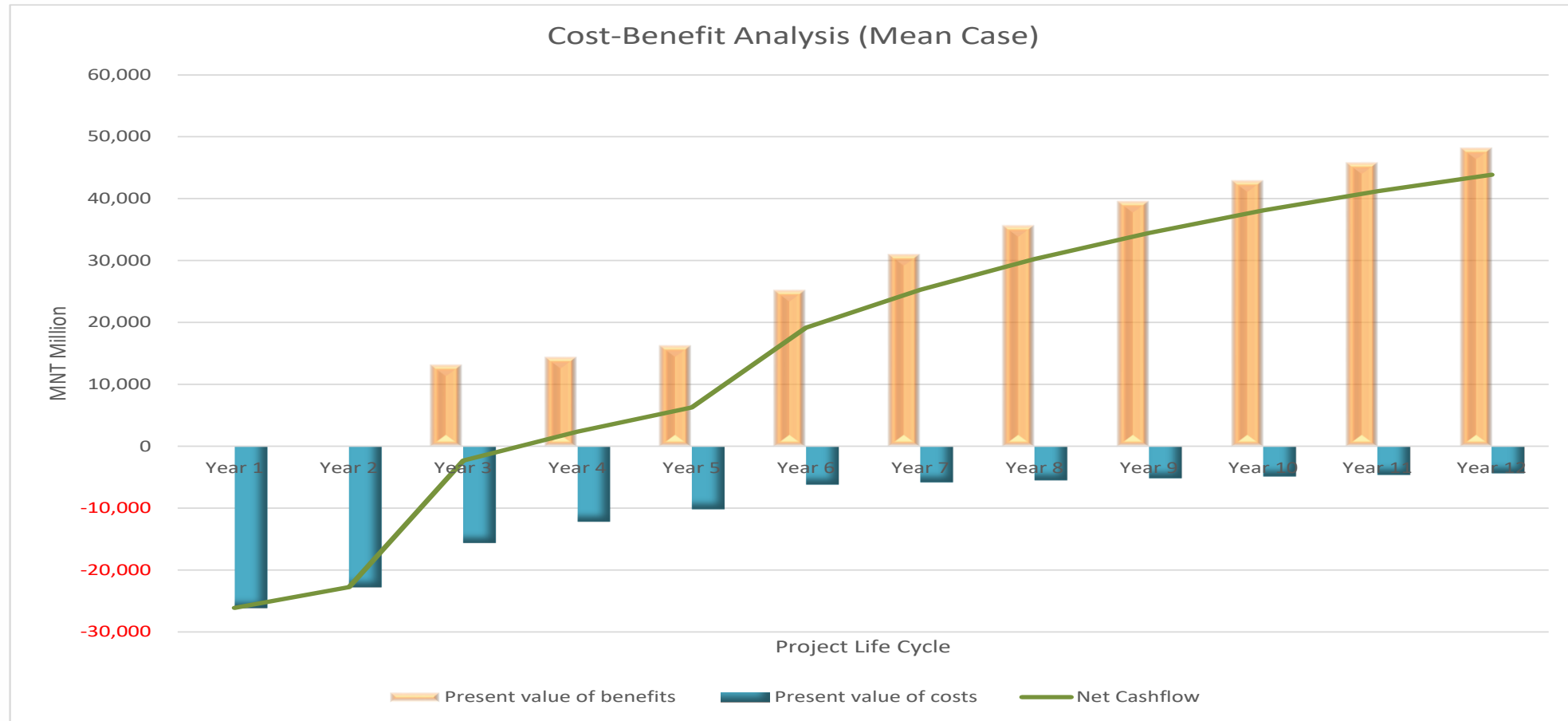
Feasibility Studies and design for New Road and Rail schemes

Water Supply Planning

Tourist Development



Good Governance – why do we need to invest?



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

Policy and Legal

Actions:

- **Renew, update and enact NSDI Policies**
- **Enact NSDI-related laws;**
- **Implement Geospatial Data Release Policy;**
- **Establish the Pricing and Licensing Framework for Geospatial Data**

Government and Institutions

Actions:

- **Re-establish NSDI leadership;**
- **Revise NSDI Strategy;**
- **Implement a Monitoring and Evaluation Framework.**

Data

Actions:

- **Formalize Geospatial Data Supply Chains**
- **Data Enhancement and Quality improvement Road map;**
- **3D City Model for High Density City Area of Tbilisi**



- 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),



Main Challenges

- Reestablish the GC, Secretariat and Working Groups;
- Define the champion;
- Prioritize the issue (worth enough to invest) - Convince the government that development of NSDI and geospatial information has a crucial importance to achieve the goals defined by strategies and policies; sustainable development of the country.
- Prepare the final versions of NSDI related acts and seek the endorsement of them by the Parliament/Government.
- Find resources to develop and launch the Geoportal;
- Assist creation of new culture of management - Evidence-based Decision Making,
- ...

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

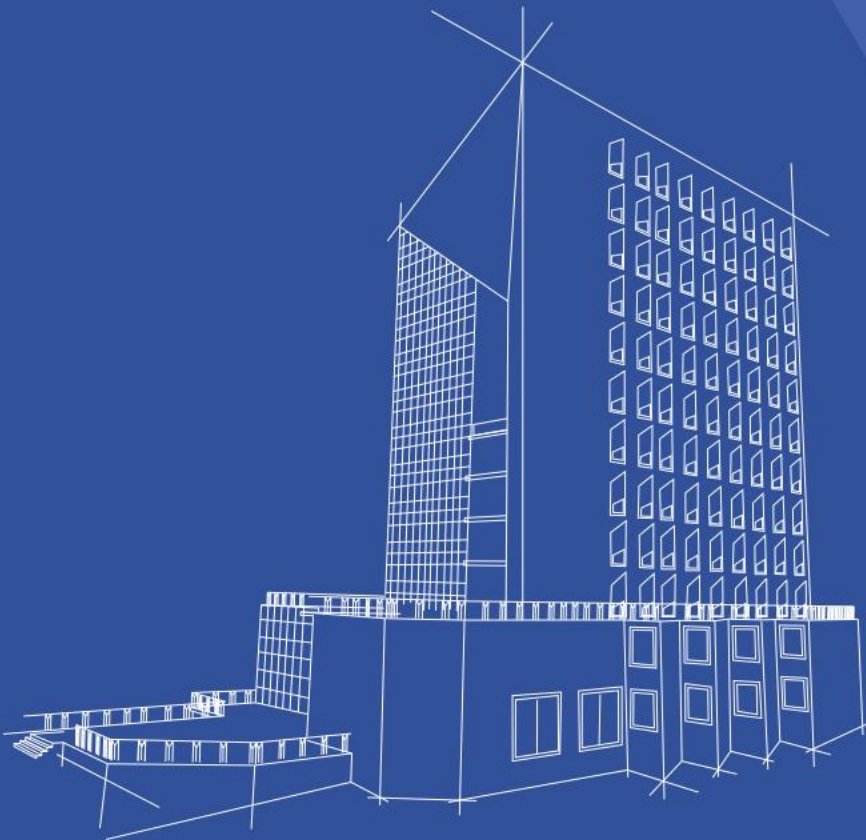
A Geoportal that provides an online integrated information resource.

COLLABORATION AND VALUE

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



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Thank you for your Attention!



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