

**Expert Consultation and Meeting on Enhancing Geospatial Information
Management Arrangements and Accelerating Implementation of the Sustainable
Development Goals, and the Sub-regional Workshop on the United Nations
Integrated Geospatial Information Framework (UN-IGIF) for Central Asia, South
Asia, and neighboring countries**

Implementing geospatial strategies: challenges and opportunities

**Astana, Kazakhstan
15-19 September 2025**



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**Enhancing Geospatial Information Management arrangements Accelerating the Implementation
of the SDGs**

Sub-regional Workshop on UN-IGIF for the Central Asia, South Asia and Neighboring Countries



GEORGIA

Ministry of Justice

National Agency of Public Registry (NAPR)



MINISTRY OF JUSTICE
OF GEORGIA



NATIONAL AGENCY OF
PUBLIC
REGISTRY



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National Agency of Public Registry

A legal Entity of Public Law under the Ministry of Justice of Georgia

Core Responsibilities:

- Registry of Immovable Property Rights
- Registry of Economic Activities
- Registry of Public-Law Restrictions
- Business Registry
- Registry of Municipalities
- Address Registry
- Geodesy
- Cartography
- Photogrammetry
- Land Cadasters
- Geospatial Data
- Address System



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Where is your country today in enhancing the management and use of geospatial information?

On 16 November 2023, the Parliament of Georgia adopted the Law on the National Spatial Data Infrastructure (NSDI), which established the foundation for a coherent national geospatial framework.

The law:

- Defines NSDI Organizational Structure and Subjects
- Establishes National standards for spatial data and metadata
- Sets requirements for data formats and network services
- Regulates the collection, storage, updating, and sharing spatial data of digital information
- Outlines strategic goals, objectives, and priorities for Georgia's unified geoformation policy
- Sets general requirements for national geoportal and metadata catalog



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Where is your country today in enhancing the management and use of geospatial information?

Governance Framework

- **The NSDI Coordinating Council** was established under a government decree to guide the NSDI's strategic direction and ensure the execution of the annual action plan. Chaired by the First Deputy Minister of Justice, the Council comprises 22 members, including deputy ministers, heads of public legal entities, state agency - institutions producing spatial data
- The **National Agency of Public Registry (NAPR)** was designated as the **NSDI Coordinator**, tasked with overseeing implementation in accordance with legislation. NAPR's responsibilities include providing technical assistance, defining strategies and methods for NSDI development, conducting quality control, and planning activities related to the establishment of national standards
- **The NSDI Subjects** - all state agencies - institutions producing spatial data



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Legislative Framework and Policy Documents

As required by the NSDI Law, the National Agency of Public Registry, has developed strategic, legal, and technical regulations, drawing on international experience (EU INSPIRE, UN IGIF) and in compliance with international standards (ISO, OGC):

A 4-year strategy and a 1-year action plan for the NSDI

- National profile for metadata
- Technical framework
- Technical specification of the data model (in progress)
- National profile for data Product specification
- Technical specification for implementation of network services
- National profile of the model for data exchange and joint use (in progress)
- National profile of licensing (terms and conditions use and sharing geospatial data)
- National profile of annual monitoring report
- Responsible authorities for publishing spatial data on the national geoportal and a list of datasets to be published under their mandate



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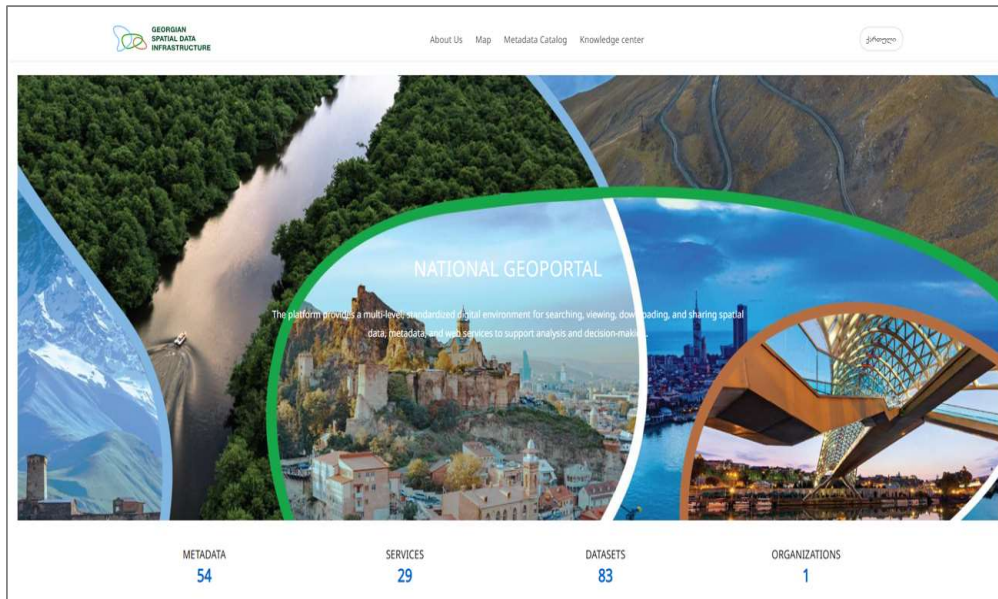
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Where is your country today in enhancing the management and use of geospatial information?

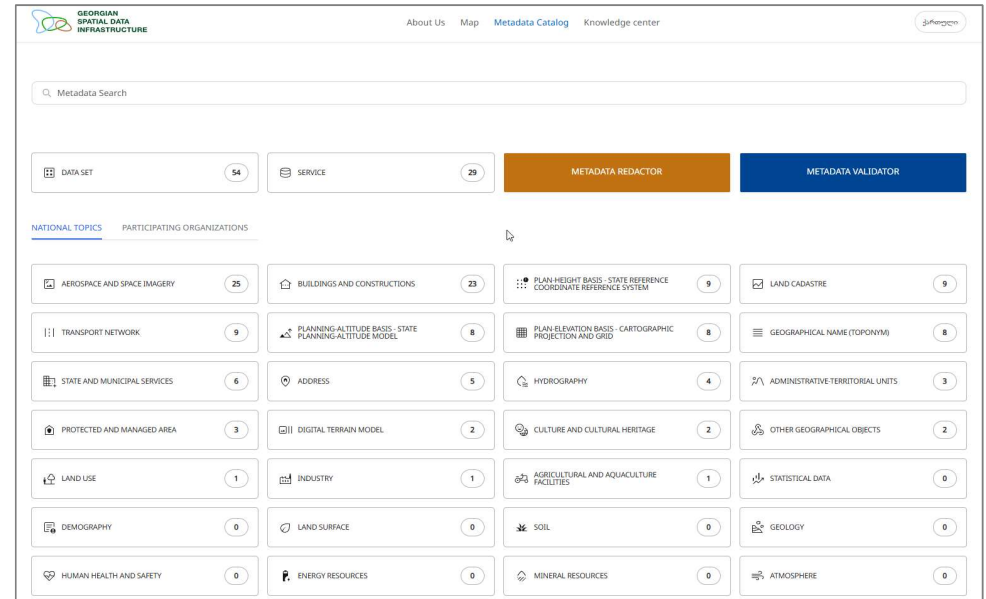
National Access Points

(In Progress)

National Geoportal



National Metadata Catalog



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Where does your country aim to be in the next five years?

Five-Year Strategic Objectives

Launch and ensure full functionality of the first NSDI version, enabling standardized, reliable, and accessible critical core spatial data for both public and private sectors, with at least 50% participation from state organizations.

- Establish and enhance coordination structures and monitoring mechanisms.
- Strengthen the legal and institutional framework
- Develop a collaboration (business) model
- Define technical standards and guidelines
- Build technological infrastructure for data sharing
- Improve data quality and reliability
- Enhance capacity and knowledge
- Raise awareness



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What do you see as the main challenges in reaching this “ideal” situation within the next five years?

- **Political and Institutional Challenges**
 - ✓ Need for continuous stable and strong political support
 - ✓ Low motivation and engagement of state and municipal organizations
 - ✓ Limited awareness
- **Financial constraints and lack of access to modern technologies**
 - ✓ Limited funding and need for securing sustainable funding
 - ✓ Gaps in modern technological infrastructure
- **Limited human resources and data quality issues**
 - ✓ Shortage of qualified specialists
 - ✓ Insufficient data quality and reliability
 - ✓ Low level of data standardization, harmonization, and integration between state agencies and the private sector
- **Digital Divide and Regional Imbalance**



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How familiar are you with UN-GGIM, the UN-GGKIC, the IGIF, and the CAP?

Norwegian Support – IGIF Implementation

Building on the IGIF project implemented in 2021 with support from the Norwegian Mapping Authority, Georgia benefited from key IGIF deliverables.

These deliverables served as the justification for next steps development of NSDI

- Baseline Assessment
- Geospatial Alignment to Policy Drivers
- Socio-Economic Impact Assessment
- Action Plan



Norwegian Ministry
of Foreign Affairs



Kartverket



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What kind of support would you like to receive from UN-GGIM, UN-GGKIC, or other partners?

- **Awareness and outreach support:** Designing and implementing awareness campaigns for high-level political decision-makers to enhance understanding of the value and benefits of spatial data, drawing on examples of NSDI development from other countries.
- **Financial support:** Securing modular funding through grants and technical assistance to foster infrastructure development and long-term sustainability.
- **Legislative and policy support and best practice sharing:** Promoting international best practices and experience to guide the development of business models and cooperation frameworks.
- **Technical and expert support:** Assisting in the adoption of modern technologies (IT, AI, data analytics) and advancing data integration processes.



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Thank you for your attention!

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