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

From FELA to Practice: Armenia's Path to Effective Land Administration

Legal, Institutional and Geospatial Reforms

Cadastre Committee of the Republic of Armenia

Republic of Armenia

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Presentation Title:

From FELA to Practice: Armenia's Path to Effective Land Administration Legal, Institutional and Geospatial Reforms

Presented by:

Nane Ghazaryan

Position :

Deputy Head of the Cadastre Committee of the Republic of Armenia

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CADASTRE TRANSFORMATION ROADMAP

Aligned with the Framework for Effective Land Administration (FELA)

2012–2026
Digital cadastral services

2021–2023
Integrated land & property information

2021–2025
Standardized national spatial data infrastructure

2022–2026
Interoperable digital land administration



ARMENIA'S REFORMS ALIGNED WITH FELA

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FELA STRATEGIC PATHWAYS



SELECTED REFORMS AND FELA ALIGNMENT

1. **Legal & Standards Framework**
   Law on Spatial Data, implementing regulations, and national spatial data standards.

2. **National Geoportal**
   Unified access to geospatial datasets, metadata, and interoperable services.

3. **Digitalized Processes & Online Registration**
   E-cadastre, paperless workflows, online transactions, and automatic registration.

4. **Unified Address Register**
   Standardized address data linked with cadastral and property records.

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FOUNDATIONS FOR EFFECTIVE LAND ADMINISTRATION

Legal Framework

National Geospatial Data Standards

Development Programme 2026–2030

01

Government Action Plan 2021–2026

Government Decision No. 1902-L (2021) established NSDI development and modernization of the national geodetic reference system as government priorities.

Law on Spatial Data (2023)

Defines institutional roles, NSDI components, and spatial data governance principles.

Implementing Legal Acts

Set requirements for data creation, metadata, interoperability, exchange, and quality.

02

12 national standards adopted in 2024 harmonize Armenia's core spatial datasets, supported by ISO 19100-aligned standards on application schemas, metadata, and data quality.

03

Government Decision No. 1583-L (2025)

Sets priorities for NSDI modernization, data integration and quality, interoperability, and National Geoportal development.

THE DATA OF NSDI

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BASIC

Cadastral









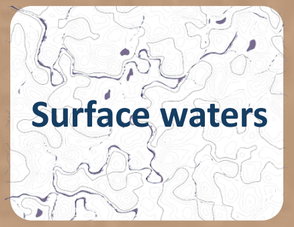
Topographical















Aerospace photography



Open Geospatial Consortium

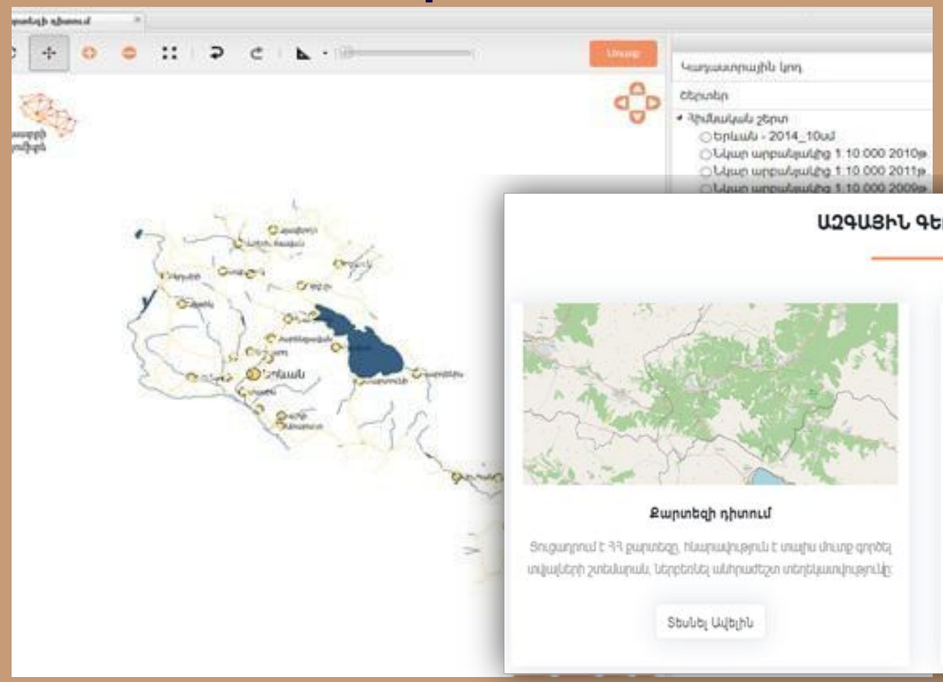
THEMATIC

- Agriculture
- Forests
- Infrastructures
- Production
- Geology
- Natural disasters
- Climate
- Hydrography
- Land cover
- Transport network
- Specially protected areas
- Historical and cultural monuments
- Distribution of animal and plant species
- Environmental pollution and monitoring

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NATIONAL GEOPORTAL

maparmenia.am



geoportal.am



Cartographic component

✓ **Input of 12 basic thematic groups**

Catalogue of metadata

✓ **More then 600 metadata**

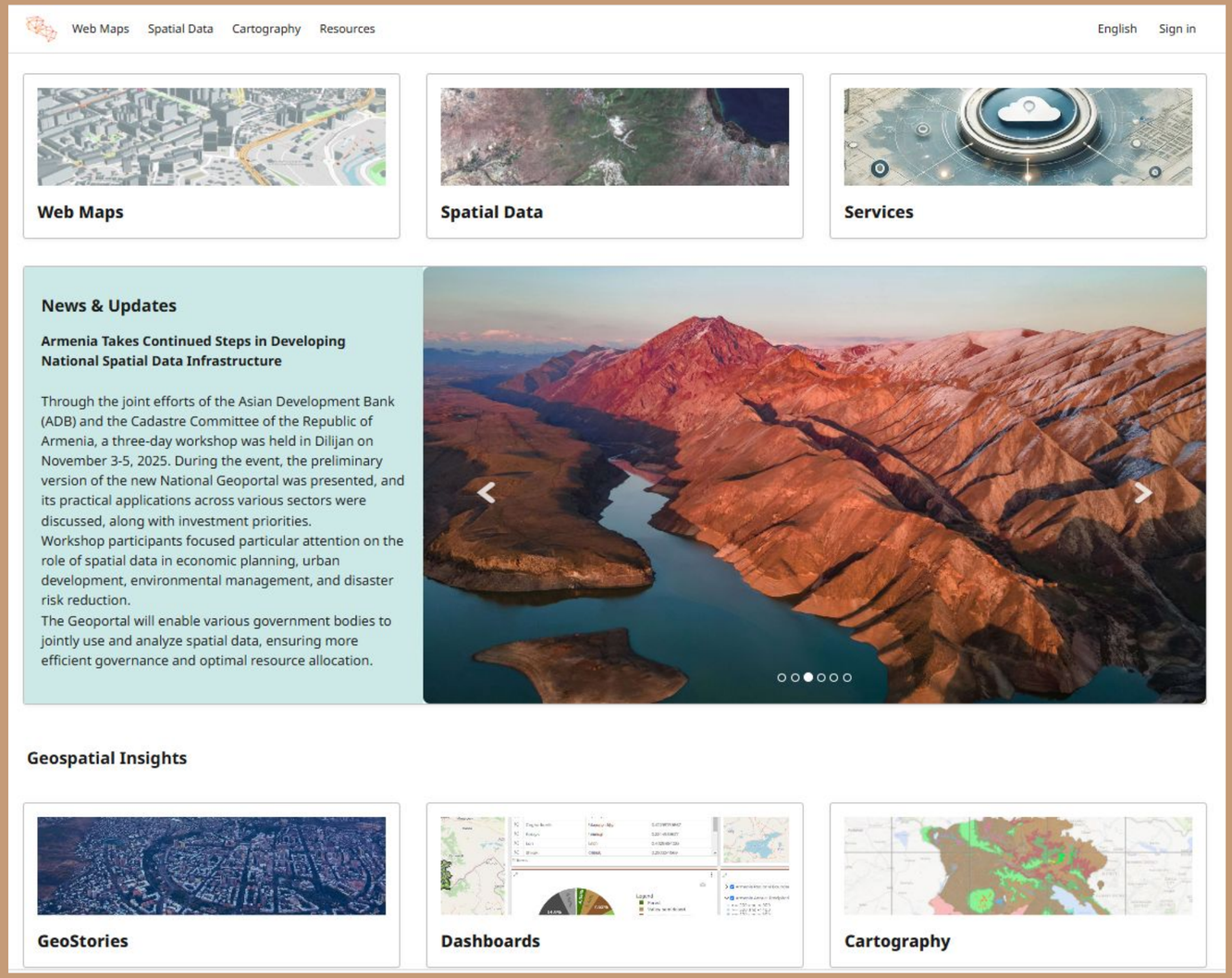
In 2022, the national geoportal - geoportal.am and the cartographic module - maparmenia.am were launched.

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NEW NATIONAL GEOPORTAL

MAIN FUNCTIONS

- Storage of basic and thematic spatial layers (vector and raster) in a unified server
- Creating and editing of metadata
- Import of thematic maps from state administration and other bodies
- Visualization of basic and thematic layers
- Provision of access to spatial layers depending on user status
- Provision and view of addresses

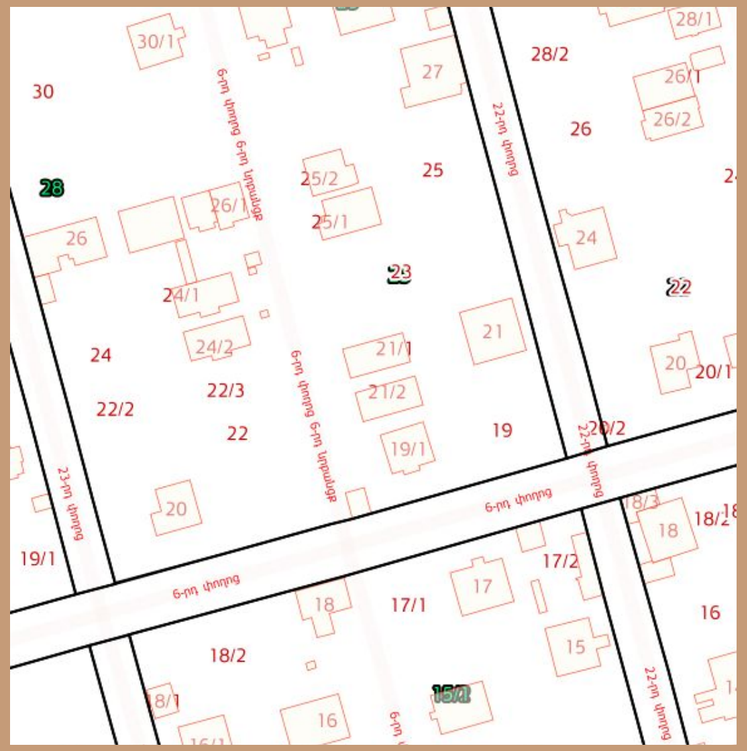


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UNIFIED ADDRESS REGISTER

From fragmented local address records to a standardized national spatial layer linked with cadastral and property information

ADDRESS DATA AS A BASIC SPATIAL LAYER



Address layer linked to parcels, buildings and legal records

IMPLEMENTATION LOGIC

1 **Collect & verify**
Input address records from communities

2 **Standardize**
Use one structure, naming logic, identifiers and metadata.

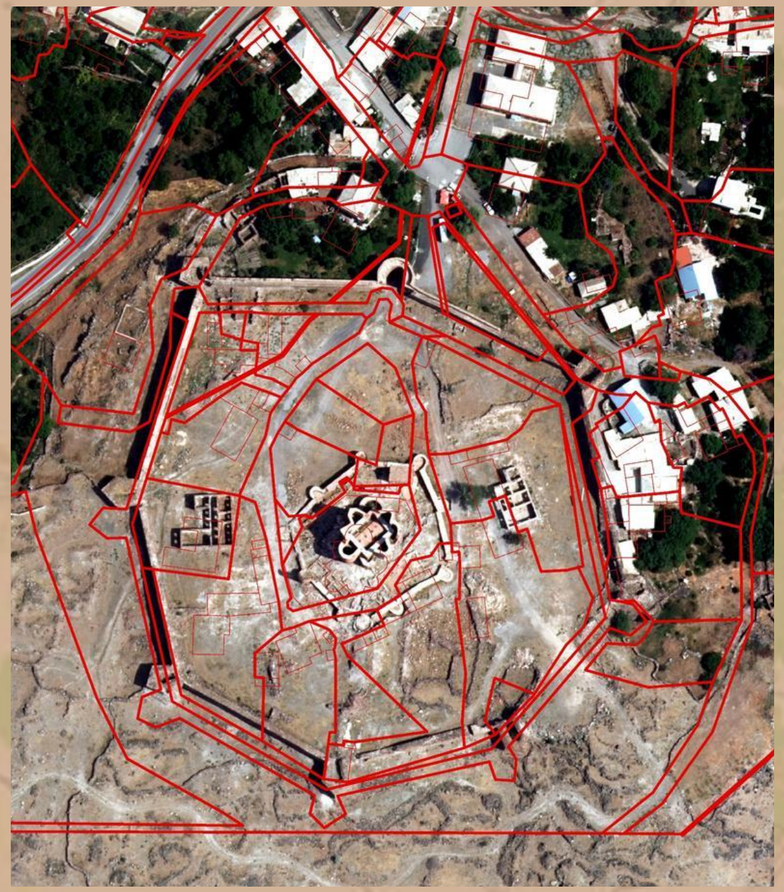
3 **Link with cadastre**
Connect addresses with parcels and immovable property records.

4 **Serve users**
Enable search, e-services, geoportal access and data exchange.

Expected value
faster property search • fewer inconsistencies • better service delivery
• reusable spatial data

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CORRECTION OF CADASTRAL MAPS



Uncorrected cadastral map

Corrected cadastral map



Path to Effective Land Administration (Armenia): Legal, Institutional and Geospatial Reforms, 2 September, 2026

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THANK YOU

