



**ASIA PACIFIC
GEOSPATIAL FORUM**
EMBRACING
GEOSPATIAL INNOVATION
FOR SUSTAINABLE WORLD

BALI | INDONESIA November 6-10 | 2023



THE MINISTRY
OF ECONOMY AND FINANCE
OF THE REPUBLIC OF UZBEKISTAN



**CADASTRAL
AGENCY**

S U B J E C T

THE USE OF GEOPHASIC INNOVATIONS IN THE DEVELOPMENT OF UZBEKISTAN

FORUM PARTICIPANT

Mr. Mokhir Valiev

CHAIRMAN OF THE
CHAMBER OF STATE CADASTRES

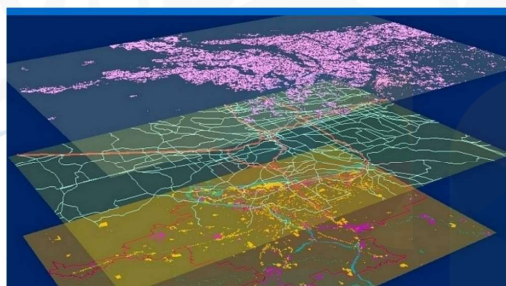


AREAS OF ACTIVITY OF THE CADASTRE AGENCY SYSTEM

under the Ministry of Economy and Finance



The Agency is the authorized state body for the creation and maintenance of the National Spatial Data Infrastructure (NSDI). At the same time, it maintains State cadastres of land, buildings and constructions, geodesy and cartography.



NATIONAL INFRASTRUCTURE OF SPATIAL DATA



ACTIVITIES

- Implementation of projects for the creation of NSDI
- Standardization of spatial data
- Creation and maintenance of NSDI single portal
- Implementation of system integrations in order to ensure the exchange data between ministries and agencies



CADASTRE



ACTIVITIES

- REGISTRATION AND STATE REGISTRATION OF CADASTRAL DOCUMENTS OF LAND, BUILDINGS AND STRUCTURES**
- of State administration, administrative objects, business entities, as well as individuals and legal entities

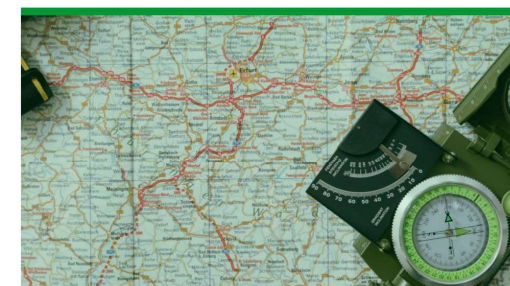


GEODESY



ACTIVITIES

- Performing field measurement work
- Creation and maintenance of a single NSDI portal
- Defining the administrative boundaries of the Republic, province, district and cities



CARTOGRAPHY



ACTIVITIES

- CREATES AND PREPARES CARTOGRAPHIC MATERIALS OF ANY COMPLEXITY**
- in accordance with requests or proposals based on the orders of state economic associations, local government authorities and business entities

NATIONAL INFRASTRUCTURE OF SPATIAL DATA



ABOUT THE REPUBLIC OF UZBEKISTAN

CENTRAL ASIA

LAND AREA 448 thousand km²

POPULATION 36.5 mln

POPULATION DENSITY 81 people / km²

LANGUAGES Uzbek (state language)
Russian, Karakalpak, Tajik



NSDI LEGAL FRAMEWORK

LAW OF THE REPUBLIC OF UZBEKISTAN
ON STATE CADASTRES
2000

LAW OF THE REPUBLIC OF UZBEKISTAN
ON THE ACTIVITIES OF GEODESY AND CARTOGRAPHY
LRU-626 / 02.07.2020

LAW OF THE REPUBLIC OF UZBEKISTAN
ON SPATIAL DATA
LRU-702 / 23.07.2021

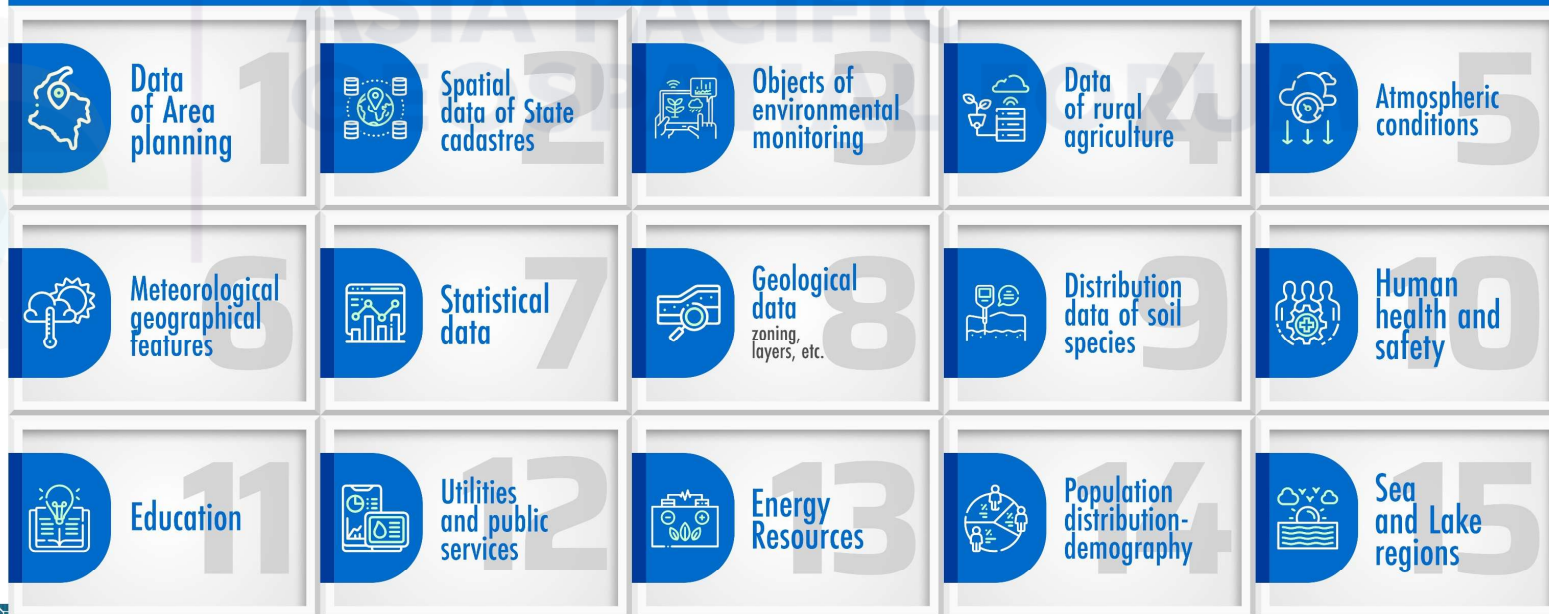
DECISION OF THE CABINET OF MINISTERS
ON THE CONTROL OF CERTAIN LEGAL DOCUMENTS REGULATING THE FIELD OF SPATIAL INFORMATION OF THE REPUBLIC OF UZBEKISTAN
620 / 26.10.2022

COMPONENTS

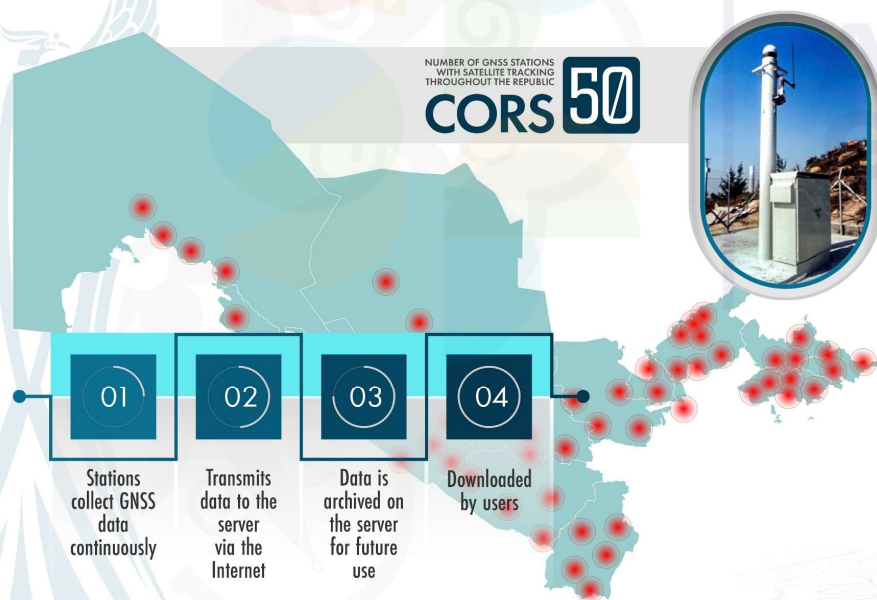
OF NATIONAL INFRASTRUCTURE OF SPATIAL DATA

Organizational structure	Scientific and technical policy
Technical and software tools	Spatial data services
International standards	Basic and specialized spatial data
Metadata and metadata bases	Regulatory legal documents and normative documents in the field of technical management
Development, update, processing, storage, presentation, integration and application of spatial information that is public in the territory of the Republic	

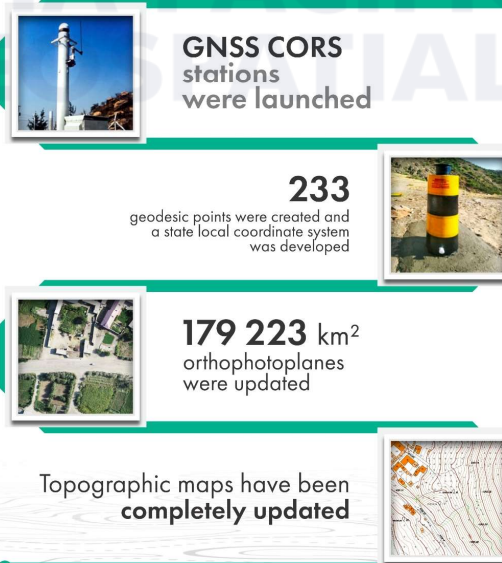
STRUCTURE OF INFORMATION ON THE FIELD OF NSDI



MATERIAL AND TECHNICAL BASE OF THE CADASTRAL SYSTEM



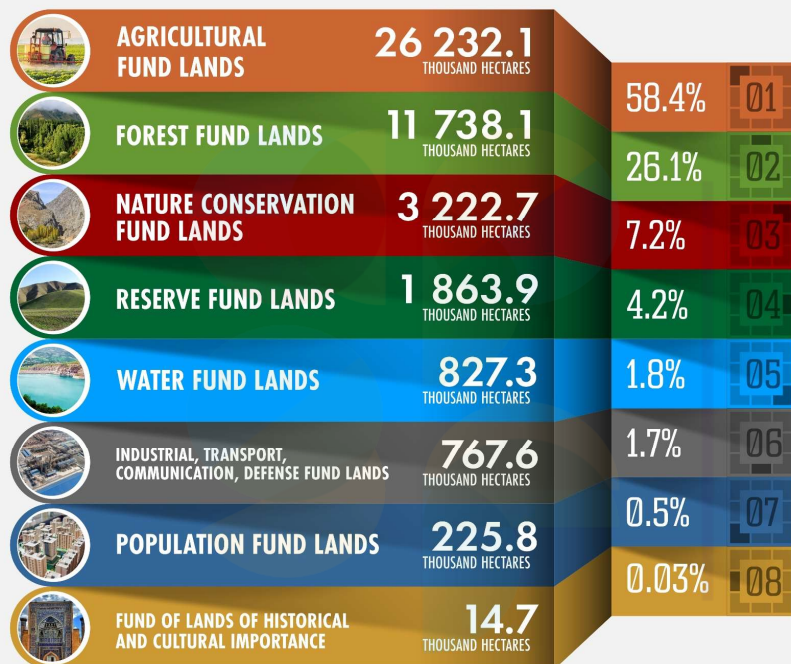
WORK CARRIED OUT USING A MATERIAL TECHNICAL BASE



INTEGRATION OF CADASTRAL AGENCY DATA BASE WITH OTHER MINISTRIES AND DEPARTMENTS



LAND AREAS AND REAL ESTATE OBJECTS OF THE REPUBLIC OF UZBEKISTAN



TOTAL LAND FUND CATEGORIES IN THE REPUBLIC LAND AREA

44 892.4 THOUSAND HECTARES

100%

NUMBER OF REAL ESTATE OBJECTS

Individual residences	6 237.6 THOUSAND OBJECTS
Apartments in high-rise buildings	1 477.3 THOUSAND OBJECTS
Non-residential areas	586.6 THOUSAND OBJECTS

8 301.5 THOUSAND

75.2%
17.7%
7.1%

my.gov.uz
ELECTRONIC SERVICES
provided through Unified portal of interactive public services and Public Services Center



INFORMATION SYSTEMS

A data center with 1,100 terabytes of large persistent storage necessary for the digitization of the industry

WAS LAUNCHED

Instead of non-integrated information systems «DAVREESTR», "KO'CHMAS MULK", "KO'CHMAS MULK 3"

in cooperation with the World Bank
THE INTEGRATED INFORMATION SYSTEM OF CADASTRES AND REGISTRATION

WAS LAUNCHED

INTERNATIONAL STANDARDS SCHEDULED FOR ADOPTION 2023-2026

Metadata	Reference model	Conceptual schema language	Referencing by coordinates	Rules for Application Schema
ISO 19115	ISO 19101	ISO 19103	ISO 19111	ISO 19109
Land Administration Domain Model	Spatial referencing by geographic identifiers	Portrayal	Data product specification	Data Quality
ISO 19152	ISO 19112	ISO 19117	ISO 19131	ISO 19157

PLANS

Installation of 80 GNSS stations and introduction of new services

Launch of NSDI unified geoportal

Launching new services for users