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ADB–LX Corp Joint Workshop
on Building National Spatial Data Infrastructure
Seoul, Republic of Korea | 5–8 November 2024

Administrative Map of Georgia



Physical Map Of Georgia



Legend 1:1,000,000

State
Autonomous

Transport infrastructure
International road
local road
Railway
sancosno gra

Physical Features
Glacier
river_line
Pass
Swamp / Marsh
Lake
Reservoir
Mountains

Protected Areas
Managed Reserve
Multiple Use Area
National Park
Natural Monument
Nature Reserve
Protected Landscape

Elevation

0 - 250	1 500 - 2 000
250 - 500	2 000 - 2 500
500 - 750	2 500 - 3 000
750 - 1 000	3 000 - 3 500
1 000 - 1 500	3 500 - 5 000

At the time of printing, these Areas are Russian-occupied Georgian territories.




Filter layers <

- Active >
- Cadastral >
- Address data >
- Administrative -Territorial Units >
- Transport >
- Hydrography >
- Orthophoto Plans >
- Topographic Maps >
- Base Layers >



- Information icon (i)
- North arrow icon (N)
- Layers icon (stack of squares)
- Zoom in icon (+)
- Zoom out icon (-)
- Home icon (target)
- Full screen icon (rectangle)
- Share icon (network)
- Settings icon (gear)

41.872939, 43.005724  1 : 3M Geographical (Latitude, Longitude) v



უძრავი ძეგლი

სტელა - #45694 📄 გაზიარება
 არქეოლოგიური

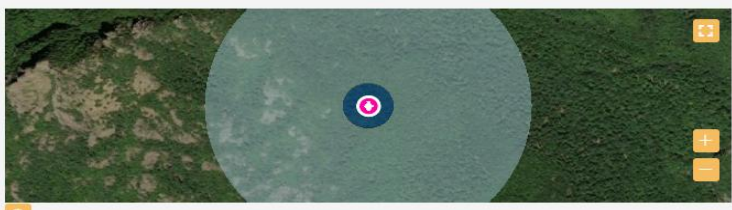
კომპლექსური ძეგლის/ობიექტის სახელწოდება:
 პერიოდი: შუა საუკუნეები _ 16-18 სს.
თარღების დიაპაზონი:
 თარიღი:

სტელა დგას ორბეთის შიოს ჩრდ. კალთაზე, საღრამენიდან ორბეთის ციხისკენ ანაკალი გზის პირზე, ტყეში. სტელა არასწორი ფორმის ბრტყელი ქვაა, რომლის დართო ნახნაგზე დადაბლებულ ფონზე აწერს რელიეფის მოცემული. სტელის ზომებია: 1,2x1,4 მ.

ისტორიული ცნობები
დეტალური ინფორმაცია

ადგილმდებარეობა

📍 ქვეყანა: საქართველო
 რეგიონი: ქვემო ქართლი
 მუნიციპალიტეტი: თეთრიწყარო
 დასახლებული პუნქტი: საღრამენი



📏 სიმაღლე ზღვის დონიდან: მ. 📍 კოორდინატები ✔
X: 41.62 Y: 44.56

**LEPL Spatial and
Urban
Development
Agency (SUDA)**



- Produce and implement the National Spatial Development Plan of Georgia
- Assist local municipalities to coordinate their land use master plans
- Increase awareness about the benefits and necessity of Spatial/Urban planning and its everlasting effect on climate change and sustainable development of the country.

- Monitoring and mapping hydro-meteorological and geological processes;
- Monitoring environmental quality (air, water, sea, soil) across the country;
- Preparation of weather forecasts and warnings on expected natural phenomena;
- Study of physical processes of climate change.

**National
Environmental
Agency (NEA)**



**LEPL NATIONAL
ENVIRONMENTAL AGENCY**

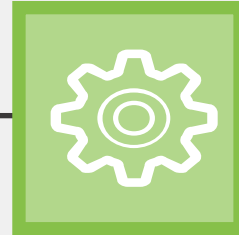
By leveraging modern technology, we can complete tasks much faster and more efficiently than ever before



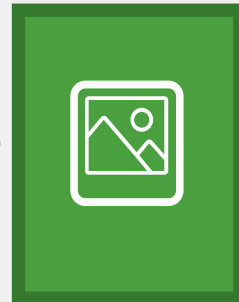
If we have access to the right data, along with the appropriate equipment and technology, there is virtually no limit to what we can achieve (predicting, simulating, analyzing, and beyond)



When we use AI, we can feel like magicians—able to accomplish tasks with remarkable speed and precision

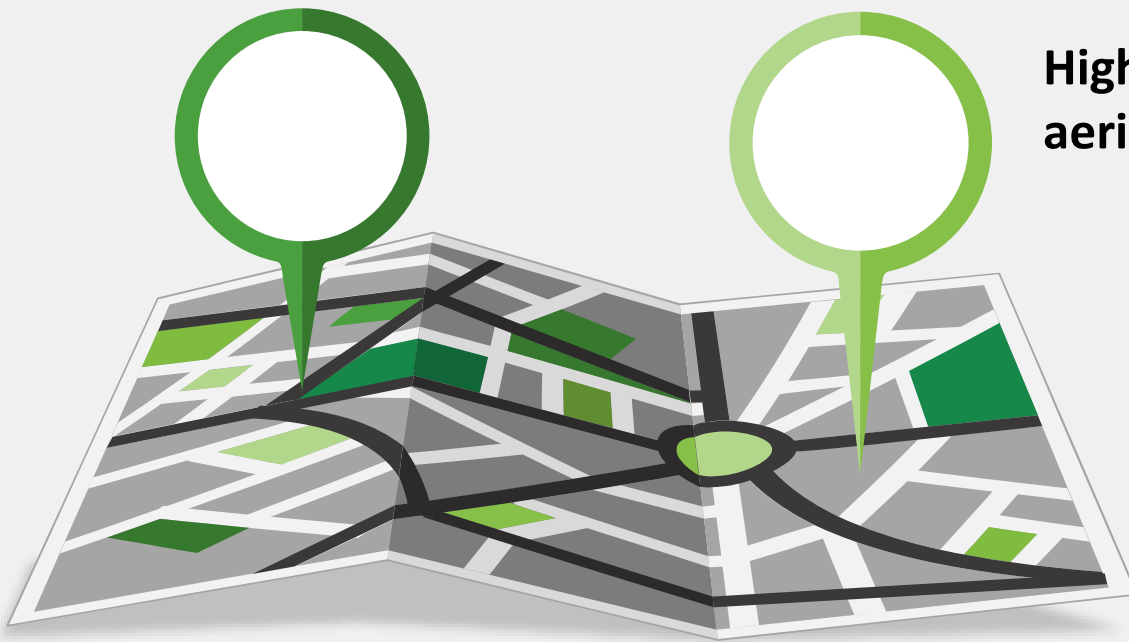


We came, we listened, and we were captivated



Priority areas

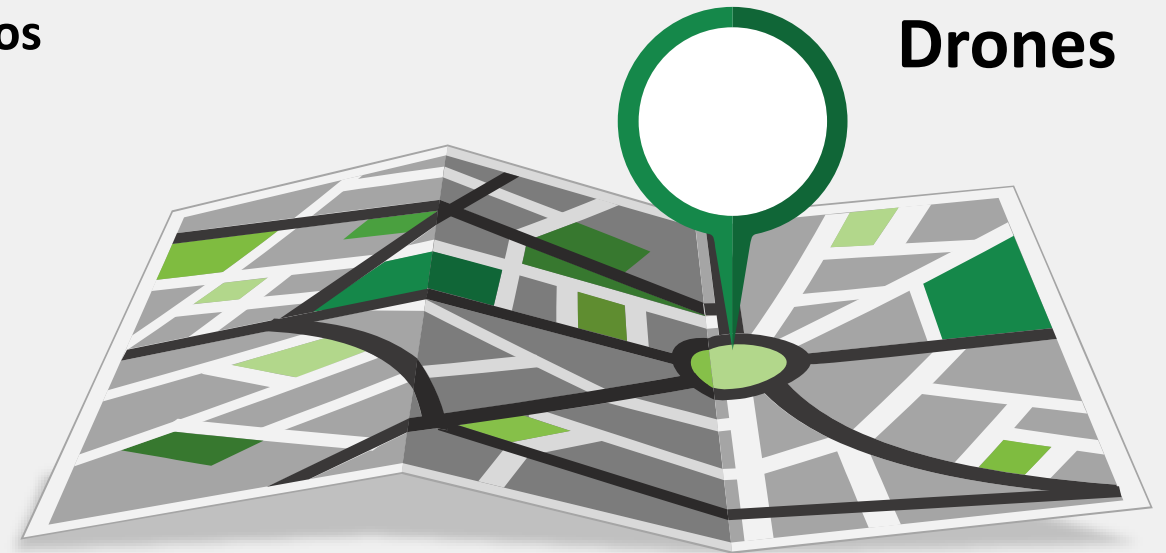
Lidar Survey



High resolution
aerial photos

Spatial Plan (municipality level)
Scale: 1:25 000; 1:50 000

Drones



Urban Plans
Scale: $\leq 1:2000$

Capacity Development in data acquisition and processing

Duration - 4 years

Key components

- Technical assistance
- Methodological support
- Capacity development of involved staff

Implementation strategy

- SUDA is the responsible agency
- SUDA shall insure the coordination between agencies and all other stakeholders

Implementation Plan

Target areas

Municipalities
and urban
areas



Legal framework

Relevant legal binding
document should be
drafted



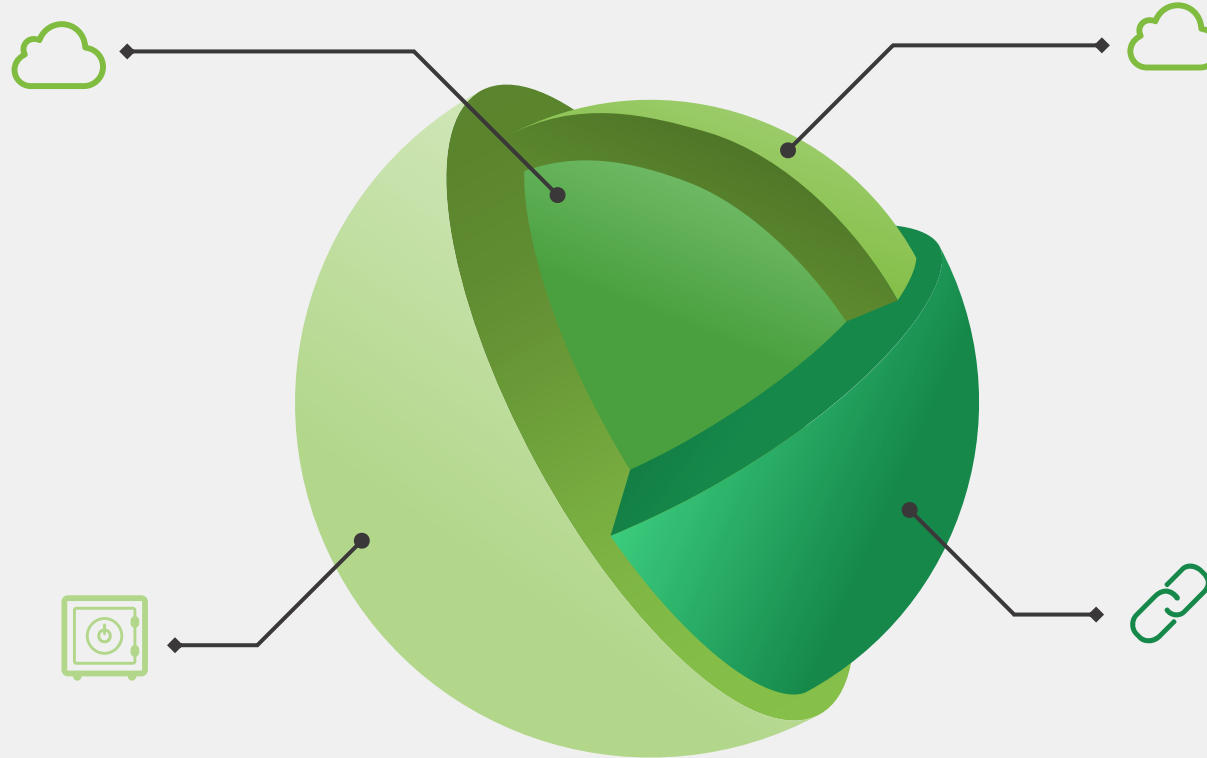
IT systems

Relevant
equipment
and software



Financing

Donor funding



National Environmental Agency

Spatial Data Infrastructure



Spatial Data Infrastructure

Duration - 3 years

Key components

- LIDAR for whole Georgia; Introduction use of Fixed-Wing Drones in our activities
- Aerial Photogrammetry
- Digitalization of data from Geo-funds
- Creation of common digital framework
- Technical assistance
- Methodological support
- Capacity development of involved staff

Implementation strategy

- NEA is the responsible Agency and in case of need for other stakeholders NEA will ensure their involvement

Implementation Plan



მადლობა!



Thank you!

감사합니다



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Tamar Zedelashvili – National Environmental Agency (NEA)