ДЕРЖГЕОКАДАСТР

Concept of NSDI Creation in Ukraine: results, challenges and future plans

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23rd of May 2019, Kyiv

LAND.GOV.UA

● Triggers for geospatial information development in Ukraine

● Topographic & mapping activities: background for NSDI

● NSDI of Ukraine: what we have now?

● International support for NSDI and its components

● How we will proceed further?

Cabinet of Ministers of Ukraine

Forms the policy in the matter of topographic, geodetic and cartographic activities, land relations, land management and the State Land Cadastre administration

Minister of Agrarian Policy and Food of Ukraine

Ministry of Agrarian Policy and Food of Ukraine

Implements the policy in the matter of topographic, geodetic and cartographic activities, land relations, land management and the State Land Cadastre administration, assures the creation and development of National Spatial Data Infrastructure

State Service of Ukraine for Geodesy, Cartography and Cadastre

- European Association of National Mapping and Cadaster Authorities

- UN Committee of Experts on Global Geospatial Information Management

- UN Group of Experts on Geographical Names

- International Cartographic Association

- Joint Research Centre of the European Commission

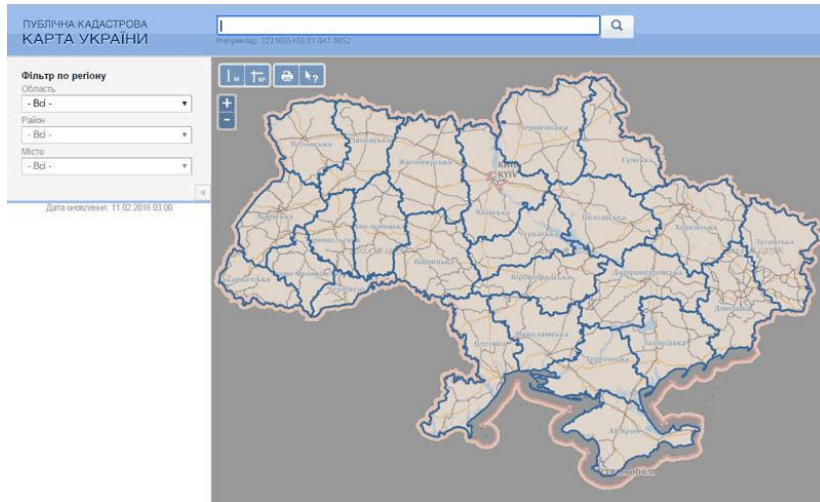**State Service of Ukraine for Geodesy, Cartography and Cadastre**

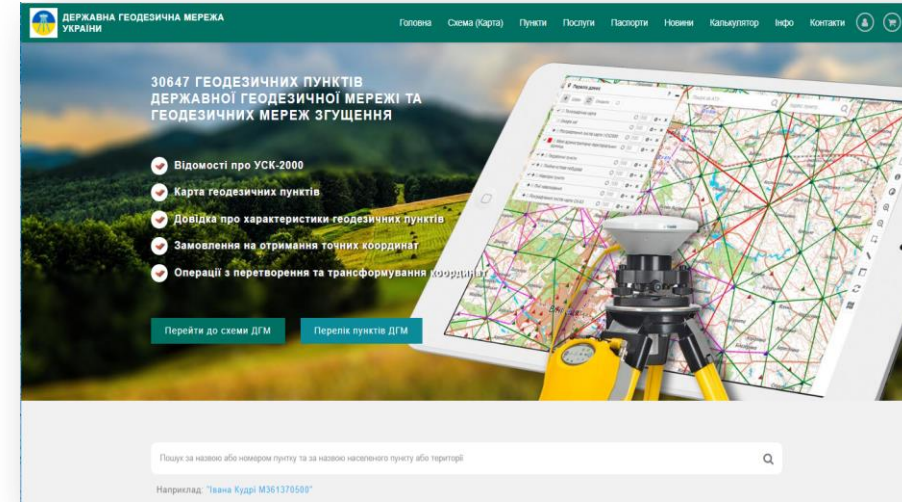**National Representation, Source of authoritative data**

Ensures international policies are applicable for Ukrainian reality
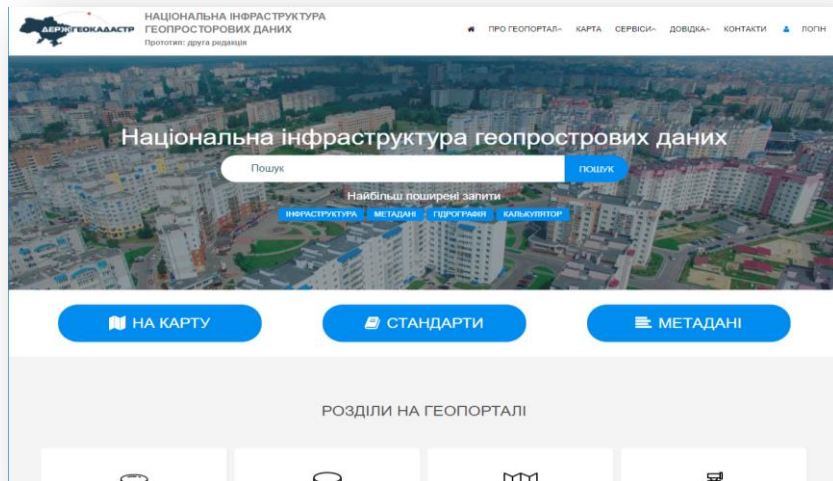
Compliance with International standards

http://map.land.gov.ua
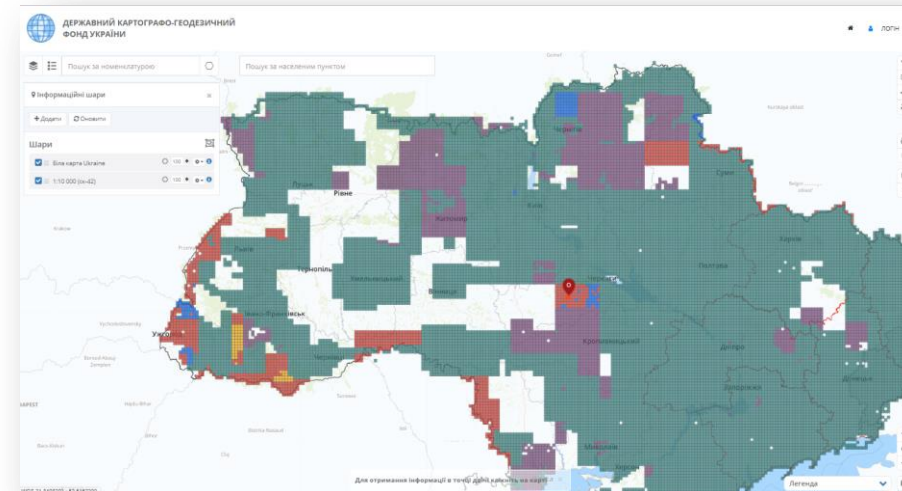**Public Cadastral Map of Ukraine**

http://dgm.gki.com.ua/ua/home
Geoportal of State Geodetic Network of Ukraine

http://nsdi.land.gov.ua
GIS National Spatial Data Infrastructure

http://geodata.land.gov.ua/ua/map/main
Geoportal of State cartographic and Geodetic Fund of Ukraine

Developed and is implemented State coordinate system USC 2000

Geo-informational systems for city management, geoportals for city-building documentation are being developed

Launched the Registry of Geographical Names

Standards for Geographical Information are created for Ukraine

Created and submitted to EuroGeographics sets of topographical geospatial data for the territory of Ukraine according to the specifications of EuroGlobalMap and EuroRegionalMap

Created the SubGroup for Coordination of NSDI Creation in Ukraine

Draft Strategy for NSDI development 2020-2023 approved by the SubGroup

ДЕРЖ ГЕОКАДАСТР
ДЕРЖАВНА СЛУЖБА УКРАЇНИ
З ПИТАНЬ ГЕОДЕЗІЇ, КАРТОГРАФІЇ ТА КАДАСТРУ

Ukraine joined to the European levelling network / European vertical reference system 2000

euref

2019 - appropriate decisions were published

18 300 points - were examined during the works

29 countries - from Europe are members of the European levelling system

Positive effect:

- Integration of Ukraine to the European levelling system
- Compliance to the EU Standards
- Improvement of data quality

Ukraine NOW ua

✅ Joint World Bank and UN-GGIM Document "Integrated geospatial Information Framework" as an "inspiration" for strategy development

⏳ Part 2 «National implementation guide»

Part 3 «National or Regional Action Plans»

INTEGRATED GEOSPATIAL INFORMATION FRAMEWORK

A STRATEGIC GUIDE TO DEVELOP AND STRENGTHEN NATIONAL GEOSPATIAL INFORMATION MANAGEMENT

BENEFITS »»»

To be approved by the Government

✓ PILOT-BASED PRINCIPLES FOR NSDI CREATION

✓ CREATION OF TYPICAL COMPONENTS OF NSDI IN THE REGIONS

✓ CREATION OF THE INTEROPERABLE NETWORK OF GEOPORTALS

✓ OPENESS AND ACCESSIBILTY OF FUNDAMENTAL DATA

✓ INTEROPERABLE BANKS OF GEOSPATIAL DATA IN DIFFERENT SPHERES

34 Sets of Geospatial Data are indicated according to INSPIRE

14 Core Reference Data Set

1) Geographical names

2) Administrative units

3) Addresses

4) Land parcels

5) Transport network

6) Hydrography

7) Elevation

8) Land cover

9) Orthophoto and imagery

10) Statistical units

11) Buildings

12) Land use

13) Communal (infrastructure) networks and services

14) Management of the territories

General Objective:

To launch the state GNSS network in Ukraine and create digital base map in scale 1:50 000 for whole country.
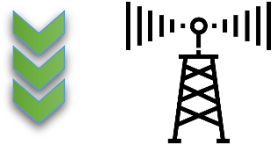
Partners from Ukraine:

StateGeoCadastre

Partners from Norway:

Donor: Norwegian Ministry of Foreign Affairs

Implementing Organizations: Norwegian Mapping Authority

As a result of the project Ukraine will receive:

Modern GNSS Equipment

Digital topographic base map 1: 50 000

Geoportal for access and services

Cooperation with state authorities and geospatial data holders in Ukraine in terms of data integration

We invite to join our geospatial community and to get involved into the NSDI development

StateGeoCadastre is working **to share the digital base map 1 : 100 000 that will be available for free access and use**

ДЕРЖГЕОКАДАСТР

Thank you!