INCREASING TRANSPARANCY AND DATA AVAILABILITY WITH CADASTRE 2.0

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MILESTONES OF STATE LAND CADASTRE DEVELOPMENT

1990
- Land reform started in Ukraine
- Privatization of all state-owned lands

2004 - 2012
- The World Bank project on cadastre development

2013
- Legislative approval of state land cadastre
- Public cadastre map introduced and launched

2015
- Introduction of e-services

2017
- Service for online registration

2019
- Information on normative monetary land valuation became available online

2020
- Integration of state registries was launched
- NSDI law is adopted
- The CMU resolution for NSDI functioning is to be adopted
MODERN STATE LAND CADASTRE OF UKRAINE MEANS

CONVENIENT AUTHENTIFICATION

- Digital Signature
- Bank ID
- Mobile ID

FULLNESS

73%

113
CENTRES FOR ADMIN SERVICES

581
NOTARY OFFICERS

437
LOCAL AUTHORITIES

ACCESS TO KEY STAKEHOLDERS

- Anticorruption Bodies
- Police
- Fiscal Service
- Local Authorities
- Centres for Administrative Services
- Notary Officers
- Land Managers
EXISTING PROBLEMS

CORRUPTION

OVERREGULATION

USER UNFRIENDLY APPROACH

OVERCONCENTRATION OF AUTHORITY

CLOSED AND NOT ACCESSIBLE INFORMATION
Cadastre 2.0 as a new action plan

01. To ensure the “service orientation” in SGC’s activities

02. Demonopolization of the state land cadastre

03. Reducing the level of bureaucracy in land management procedures

04. Development of “market-based” land valuation

05. Complex reform in geodesy and cartography

06. Introduction of updated inspection approach

07. «So expected» launch of national spatial data infrastructure realization
DATA IN STATE LAND CADASTRE OF UKRAINE

STATE CADASTRE SYSTEM CONTAINS

- Administrative Boundaries
- Index Cadastral Map
- Orthophoto
- Land Parcels
- Agro-Industrial Soil Groups
- State Geodetic Points
- Limitations on Land Use
- Normative Monetary Land Valuation

DATA ABOUT LAND OWNERS AND USERS ARE RECEIVED VIA AUTOMATIC DATA EXCHANGE WITH THE MINISTRY OF JUSTICE
THE INTEGRATION OF STATE REGISTRIES

INTEGRATION BEGAN IN 2019 WITH:

- STATE AGENCY OF WATER RESOURCES
- STATE SERVICE OF GEOLOGY AND SUBSOIL
- MINISTRY OF ECOLOGY AND NATURAL RESOURCES
- STATE AGENCY OF FOREST RESOURCES
- STATE STATISTICS SERVICE
- HYDROMETEOROLOGICAL CENTER
- STATE ROAD AGENCY
- STATE EMERGENCY SERVICE
- UKRAINIAN POWER COMPANIES
TRANSPARENCY INITIATIVES

OPENED ALL DECISIONS ON LAND DISPOSAL ONLINE
HTTPS://LAND.GOV.UA/T/

OPENED ALL DECISIONS FOR PERMITS FOR REMOVAL AND TRANSPOSING OF THE FERTILE SOIL LAYER ONLINE
HTTPS://LAND.GOV.UA/PERMIT/

OPENED INFORMATION ABOUT SCHEDULED INSPECTIONS. RESULTS ARE AVAILABLE ONLINE
HTTPS://LAND.GOV.UA/INSPECTION/

DECISIONS ON STATE EXPERTISE ON APPROVAL OF LAND MANAGEMENT DOCUMENTATION ONLINE
HTTPS://LAND.GOV.UA/EXPERTISE/

DECISIONS ON REGISTRY OF LAND PLOTS BY CADASTRE REGISTRIES ONLINE
HTTPS://LAND.GOV.UA/KADASTROVY_REYWSTRATORY/
Percentage of refusals of land registration in 2019

30.0% of refusals in Ukraine in 2019
Basic steps for reducing refusals percentage

1. Opening of coordinated on points of land parcels boundaries
2. Free exchange XML file verification service
3. Exterritorial registration of land parcels has been launched
EXTERRITORIAL REGISTRATION OF LAND PARCELS

TRANSPARENT AND CLEAR WORK SCHEME

- Convenient submission of the documents for state registration
- The documentation is submitted through the e-portal
- Automated system selects an expert randomly
- Decision of the state cadastral registrar on the land parcel registration max 7 days

BENEFITS

- No contact with the officials
- Online monitoring 24/7
- Clear deadlines
- No repeated refusals
PERCENTAGE OF REFUSALS OF LAND REGISTRATION FROM 21.01.2020 TILL 27.02.2020

10% average refusals in Ukraine
FUNCTIONING GEPORALS

HTTPS://NGO.LAND.GOV.UA/
GEOPORTAL OF STATE NORMATIVE
VOLUNTARY LAND VALUATION

HTTP://NSDI.LAND.GOV.UA
GEOPORTAL OF NSDI PROTOTYPE

HTTP://GEODATA.LAND.GOV.UA/UA/MAP/MAIN
GEOPORTAL OF STATE CARTOGRAPHIC
AND GEODETIC FUND OF UKRAINE

HTTP://DGM.GKI.COM.UA/UA/HOME
GEOPORTAL OF STATE GEODETIC
NETWORK OF UKRAINE
NSDI OPERATIONAL MODEL ACCORDING TO THE LAW

THE CABINET OF MINISTERS OF UKRAINE

NSDI COORDINATION BOARD
ADVISORY BODY

AUTHORITY, RESPONSIBLE FOR
THE IMPLEMENTATION OF THE
STATE POLICY
NSDI COORDINATOR

AUTHORITY, RESPONSIBLE FOR THE IMPLEMENTATION OF THE
STATE POLICY
NSDI COORDINATOR

DATA HOLDERS & PRODUCERS

NSDI ADMINISTRATOR

METADATA

FUNDING FOR NSDI CREATION

1. STATE BUDGET
2. LOCAL BUDGETS
3. INTERNATIONAL SUPPORT

NSDI

FUNDAMENTAL SPATIAL DATA
PROFILE DATA
METADATA
SERVICES
NSDI STANDARDS

➢ PUBLICATION AT THEIR OWN WEB SITES
➢ ACCESS VIA NSDI GEOPORTAL
➢ «OPEN DATA» PRINCIPLE
➢ MOST DATA ARE FREE OF CHARGE
MAIN PROVISIONS:

- **ALL GEOSPATIAL DATA ARE OPEN, FREE AND IN PUBLIC ACCESS**
- **DEFINITIONS OF "CORE" AND "PROFILE" DATA ARE GIVEN**
- **ANNEXES WITH INSPIRE DATA SETS ARE INCLUDED**
- **GEOSPATIAL DATA WILL BE IN THE FORMAT IN WHICH THEY WERE CREATED**
- **IN ACCORDANCE WITH INSPIRE SERVICES WILL BE PROVIDED**
- **THE ADMINISTRATOR COLLECTS METADATA, ADMINISTERS THE NSDI GEOPORTAL AND PROVIDES EASY DATA SEARCH**
- **DATA HOLDERS ARE OBLIGED TO PROMULGATE GEOSPATIAL DATA AT THEIR WEBSITES/GEOPORTALS**

**NSDI CREATION MEANS:**

- TO COMPLY WITH INSPIRE DIRECTIVE AND OPEN DATA
- FREE GEOREFERENCED DATA

**NSDI CREATION DOESN'T MEAN:**

- TO COLLECT ALL DATA IN SINGLE REGISTER
- TO CHANGE THE USAGE MODE OF GEOSPATIAL DATA
- CHANGING THE USE OF GEOSPATIAL DATA
DATA SETS AND ACCESS

FUNDAMENTAL DATA

1. COORDINATE REFERENCE SYSTEMS
2. STATE BORDER OF UKRAINE
3. ADMINISTRATIVE UNITS
4. AGGLOMERATED TERRITORIAL COMMUNITIES AND ITS BOUNDARIES
5. SETTLEMENTS AND THEIR ROAD-STREET NETWORK
6. BUILDINGS
7. HYDROGRAPHY
8. TRANSPORT NETWORK
9. RAIL ROADS
10. UTILITIES
11. AIRPORTS, SEAPORTS, RIVERPORTS
12. VEGETATION COVER AND SOILS
13. LANDPlOTS
14. ADDRESSES
15. GEOGRAPHICAL NAMES
16. DIGITAL TERRAIN MODEL
17. ORTOPHOTOPANS

DATA SETS IN ACCORDANCE WITH THE INSPIRE DIRECTIVE ARE INCLUDED TO THE ANNEX OF THE LAW

GEOSPATIAL DATA MAY BE RECEIVED:

NATIONAL GEOPORTAL
Authorization at geoportal
Set parameters search
Data upload in needed format

DATA HOLDERS GEOPORTALS
Data search
Data upload in needed format

OPEN DATA
Via data holders websites
Data upload in needed format
NEXT STEPS

- Adoption of the Order for NSDI functioning
- Development of comprehensive NSDI strategy, including IGIF components
- Establishment the NSDI Coordination Body
- Raising awareness and practical cooperation between data holders
- Use cases for practical use of geospatial information
THANK YOU!

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