



Geospatial data of the Cadastre, Republic of Belarus

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BELARUS – basic facts

• Central Europe (Poland, Russia, Ukraine,

Lithuania, Latvia)

- Area 207 600 km2
 (over 40% is under the forests)
- N-S 560 km; E-W 650 km
- Population 9 504 700
 (47% male, 53% female)
- Capital Minsk
- 6 regions
- Official languages Belarusian

and Russian

















The administration system of geospatial information management



The State Committee on Property of the Republic of Belarus was established in accordance with decree № 289 that the Belarus President signed on 5 May 2006 (www.gki.gov.by)

The main areas of the State Property Committee:

- land management, geodetic and cartographic activities,
- names of geographical objects,
- state registration of real property, rights and transactions on property,
- relations (including management, privatization, evaluation and accounting property owned by the state),
- registers of the state cadaster

The Committee is also tasked with keeping the key registries and cadasters

Under the umbrella of the Committee are:

- Land Development and Land Use Organizations;
- Topographic, Geodesic and Cartographic Organizations;
- Appraisal Organisations;
- Real Estate Companies;
- Educational and Training Center;

the others







National Cadastral Agency

www.nca.by

republic organization
 for real property registration and land management





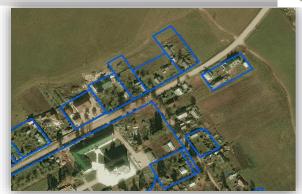
The architecture of the cadastral system in Belarus



The architecture of the current cadastral system has been created in 2006 (the Land Code)

Under the umbrella of NCA are:

- United Register of Administrative-territorial and Territorial Units of the Republic of Belarus;
- United Register of Real Property, rights to it and transactions with it;
- Register of Prices of Real Property;
- Register of Land value;
- Register of characteristics of Real Property;
- Address Register of the Republic of Belarus (include the register of streets)









Address system



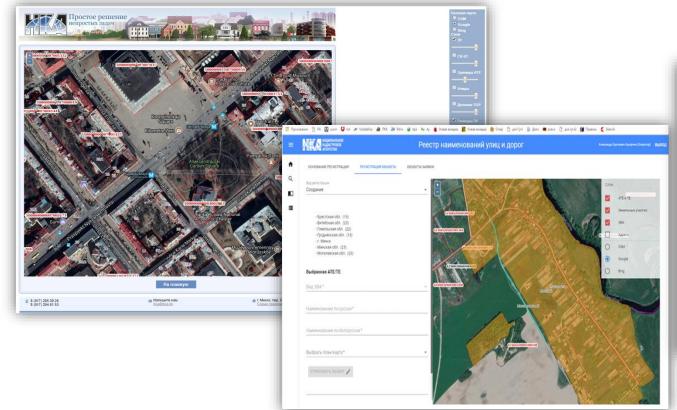
Address Register (more 5 000 000 objects)

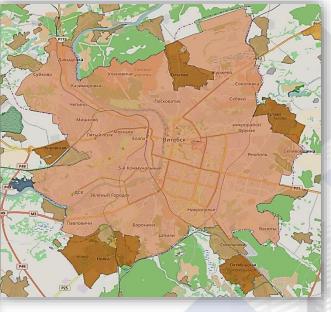
- Land lots
- Buildings
- Apartments
- Parking-places

Register of Administrative-territorial and territorial units (more 26 000 objects)

Register of streets (85 364 objects)

- City
- Village
- Districts
- National parks, reservations, etc.







United Register of Real Property, rights and transactions (more 7 000 000 objects)

Belarus takes 14 -th place of registration of property in ranking of The World Bank «Doing Business 2018»



Objects:

- Land lots
- Buildings
- Apartments
- Enterprises
- Parking places



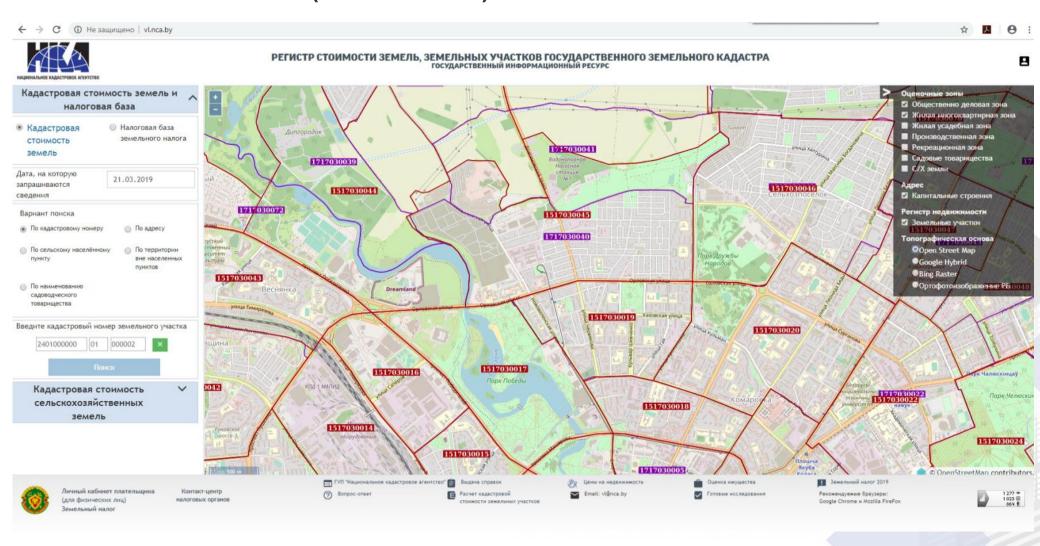




Register of Land value



Results of mass evaluation (cadastral value)





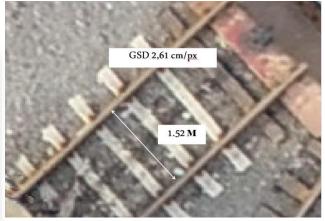
Register of characteristics of Real Property



Objects:

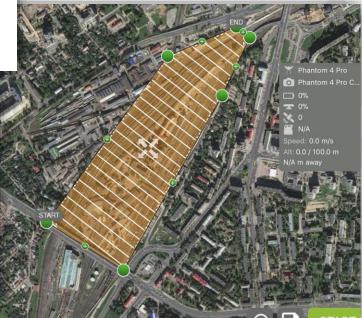
Buildings
Apartment
Enterprises
constructions (gas pipelines,
communication lines)
Parking places









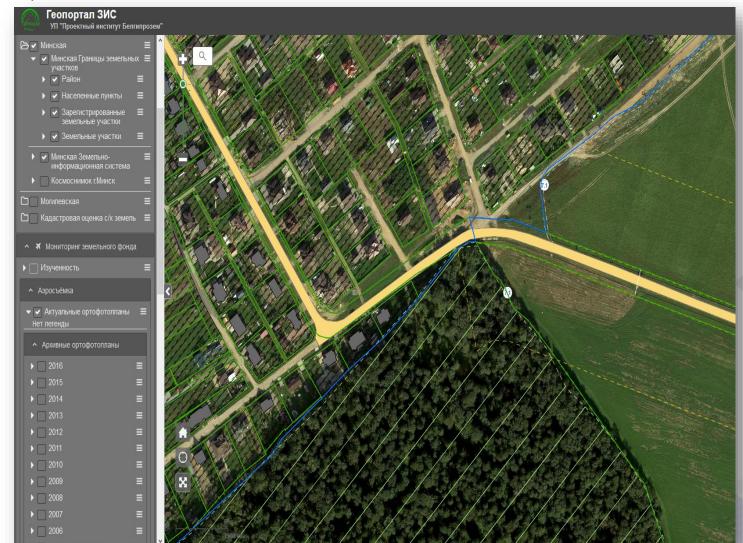




Land Register



categories, types and land users, composition, structure, conditions, quality of soils, and etc.





Remote sensing data

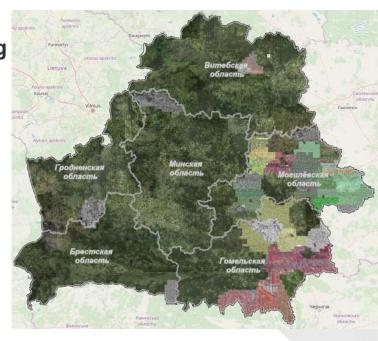


3 levels:



Space Imagery

Belarusian space Earth remote sensing system consists of:
Belarusian satellite BKA
Russian satellite Kanopus-V №1
2.1 m GSD of pancromatic band
10 m GSD of multispectral bands

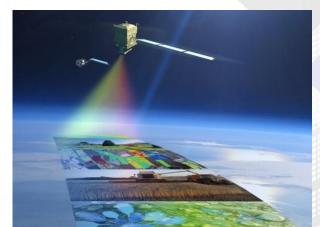




Drones

OrthoPhoto Imagery

The main sources of orthophotos:
aerial photography (Cessna 402 B,
Leica ADS-100 airborne
pushbroom digital sensor);
5-year cycle update;
30 cm GSD, 1:10 000 scale of orthophotomaps;
15 or 30 cm GSD, 1:2 000 scale of orthophotomaps in settlements

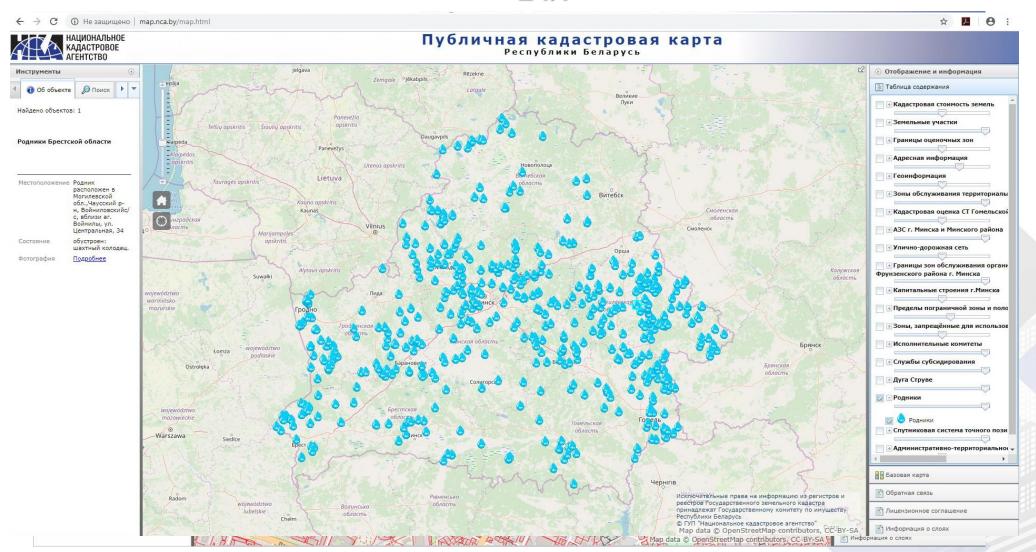




Public Cadastral Map of The Republic of Belarus



www.map.nca.by 24/7





International Cooperation





Strengthening the capacity for geospatial data management and interoperability of the NCA BY 18 ENI OT 01 18



The project is funded by the European Union

project TWINNING

Project title: Strengthening the capacity for geospatial data management and interoperability

of the National Cadastral Agency



Overall objective: Enlarge the capacity of the National Cadastral Agency in efficient and effective spatial data management in line with interoperability and harmonisation principles.

Specific objective: Improve the interoperable management of geospatial data in line with EU Technical Guidance to enable efficient and coordinated use of spatial data within the NCA and other state organisations and local authorities for the land management and a wider range of purposes







International Cooperation



- Russian-Belarusian pilot project to create the spatial data infrastructure for the territory of the Smolensk region of Russia and the Vitebsk region of Belarus with the example of the Rudyansky and Lioznensky districts. 2015 - ongoing. Working group composed of specialists of The Federal Service for State Registration, Cadastre and Cartography (Rosreestr) in Russia and State Committee on Property of the Republic of Belarus in Belarus
- NSDI Eurasian Initiative
- Bilateral cooperation (Germany Belarus)









Thank you for attention!..

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