



INFORMATION DIGEST OF THE CAPACITY DEVELOPMENT PROJECT FOR UTILIZING THE NATIONAL GEOSPATIAL DATA INFRASTRUCTURE IN UKRAINE

INTERNATIONAL COOPERATION

STATEGEOCADASTRE & JICA: THE PARTNERSHIP EXPANDS

StateGeoCadastrre and Japan International Cooperation Agency (JICA) are at the final stage of the process of prolonging the implementation of the Capacity Development Project for Utilizing the National Geospatial Data Infrastructure in Ukraine and negotiating the expansion of cooperation areas. Given the high current results, as well as in order to ensure the principle of succession and synergy of various elements of interagency cooperation, the Project, which was due to terminate in 2025, was prolonged up to 2027.

Prolonging the terms of cooperation will increase predictability and allow for a long-term schedule for the implementation of all items of the Project, as well as it demonstrates a high level of mutual trust between the parties.

The Project results have already been applied in a number of infrastructure projects being implemented in Ukraine.



DIRECT SPEECH

Dmytro MAKARENKO, Chairman of the State Service of Ukraine for Geodesy, Cartography and Cadastre

“ In these extremely difficult times that Ukraine is going through, it is crucial to be able to rely on a trustworthy partner and count on its support. For the StateGeoCadastrre JICA remains such a partner, as its representatives have repeatedly responded to our requests seeking support in the National Spatial Data Infrastructure (NSDI) development projects and have already provided tremendous assistance in technical provision of the National Geoportal and geospatial data sets creation.

Ukrainian-Japanese cooperation, which will be extended for a longer period and significantly expanded, will allow our joint efforts to optimize and organize the NSDI elements as much as possible. With ongoing threats to citizens' property, government facilities and infrastructure, our aim is to improve existing methodologies for creating digital spatial data and to develop new ones to ensure that such data can be updated as quickly as possible.

THE NEW USE CASE

StateGeoCadastrе and the State Enterprise "Research Institute of Geodesy and Cartography" are constantly expanding the available functionality of the National Geoportal based on priority application areas that can be immediately used within communities' activities, as well as in defense and recovery projects.

Природоохоронні території

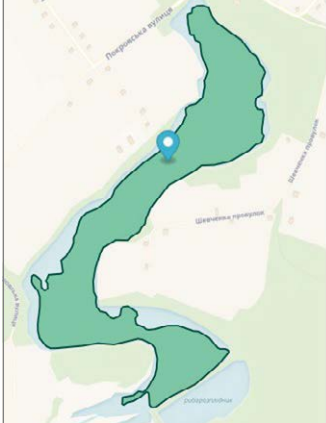
Розроблено в межах Проекту з розвитку потенціалу використання національної інфраструктури геопросторових даних в Україні за підтримки JICA

Пошук за назвою об'єкта ПЗФ

Кількість даних: 1000

Національний природний парк "Голосіївський"
м. Київ
Площа (км²): 109.8

Національний природний парк "Сколівські Бескиди"
Львівська область
Площа (км²): 352.6



Природоохоронні об'єкти та території

Гідрологічний заказник місцевого значення «Став»

Категорія: заказник

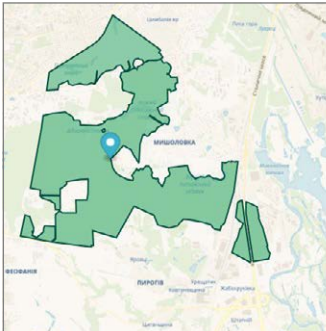
Тип: гідрологічний

Значення: Місцеве

Область: Черкаська

Дата створення: 28.12.2010

Офіційна площа: 11 га/км²



Природоохоронні об'єкти та території

Національний природний парк загальнодержавного значення «Голосіївський»

Категорія: національний природний парк

Значення: Загальнодержавне

Область: Київ, Київська

Дата створення: 27.08.2007

Офіційна площа: 10988.14 га/км²

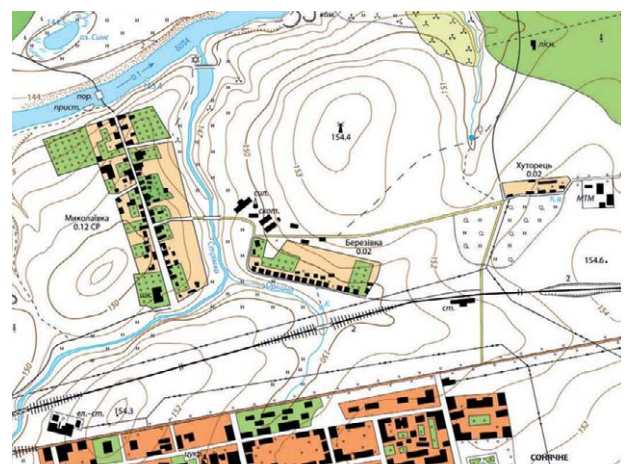
Work on the Protected Areas Use Case was completed in November. It allows to find the nearest object of the Nature Reserve Fund of Ukraine for any location with a display of the distance to the nearest object quickly. The Use Case also displays all the objects of the Nature Reserve Fund of Ukraine on the map of the National Geoportal both as a geoinformation layer and as a list with the ability to search by the object name and as an option to zoom the map to the boundaries of the selected object of the Nature Reserve Fund of Ukraine.

CARTOGRAPHY

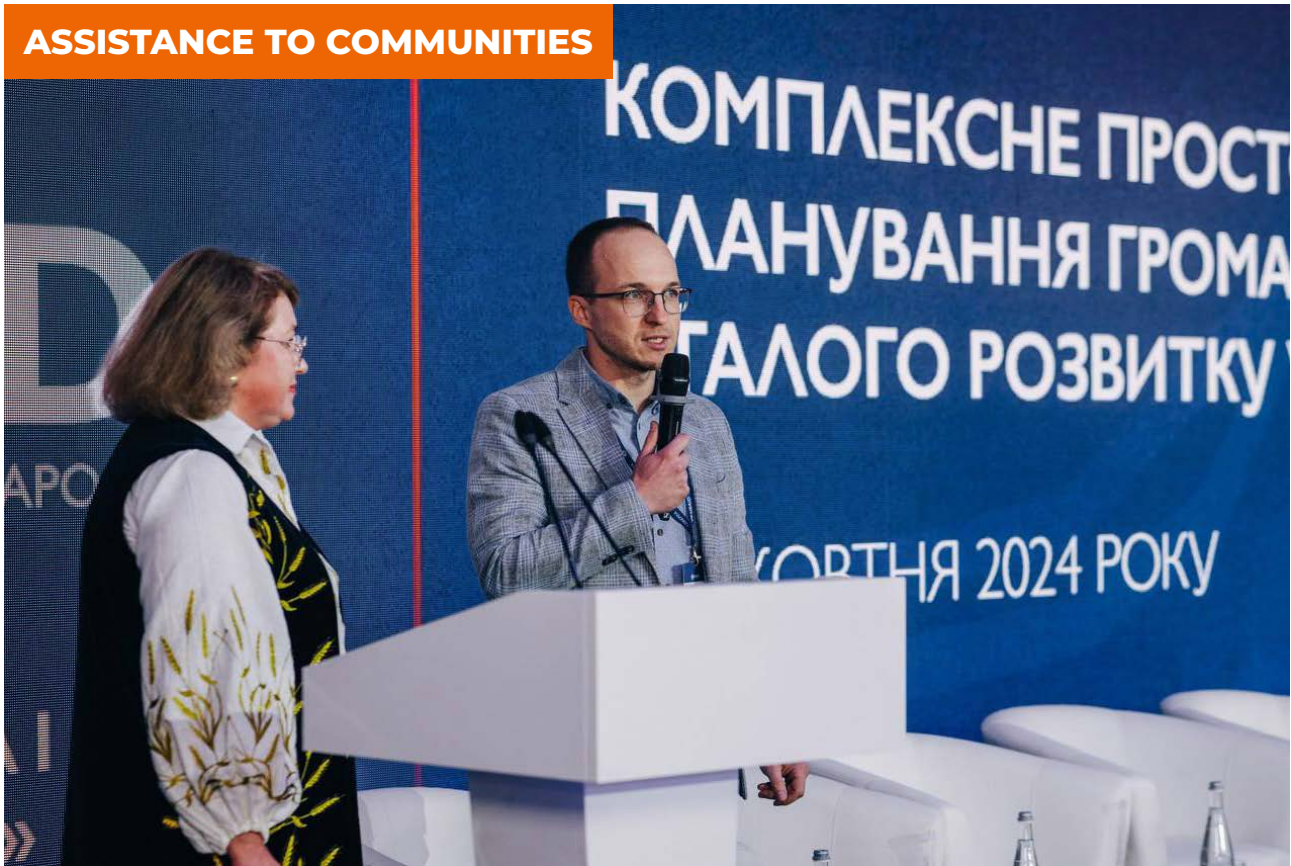
The availability of an updated topographic base map is a fundamental necessity for a comprehensive spatial development plan of the territorial community and the development projects implementation.

Despite limited budgetary resources, the StateGeoCadastrе, with the support of JICA, started updating the topographic base for the first time last year. The average annual plan for cartographic updating is up to 7 thousand sq. km. per area of interest.

The StateGeoCadastrе and its international partners are concentrating their efforts to launch large-scale work on the updating of the topographic base map to cover a large part of the territory of Ukraine.



ASSISTANCE TO COMMUNITIES



Spatial planning of territorial communities is a comprehensive tool for ensuring the efficiency and validity of management decisions. The requirements for the quality of such decisions became especially important during the period of martial law and will remain fundamental in the postwar period, at the stage of recovery projects implementation.

As Mr. Dmytro Makarenko, Chairman of the State Service of Ukraine for Geodesy, Cartography and Cadastre noted during his speech at the All-Ukrainian Forum on “Comprehensive Spatial Planning of Communities – the Foundation of Ukraine’s Sustainable Development”, it is impossible to manage land resources effectively and utilize the StateGeoCadastre’s online services

fully without high-quality and complete data at the community level. In particular, this applies to the information on the boundaries of territorial communities entered into the State Land Cadastre and the updated normative monetary valuation of land data. In addition, the land plots location inside or outside the settlements affects the normative monetary valuation of such land plots, the amount of land payment, and, as a result, the amount of revenues to the respective local budgets.

The StateGeoCadastre is one of the entities that should provide the input data for the drawing up of comprehensive spatial development plans, and is available to assist territorial communities in this effort.

WORK WITH DATA HOLDERS

The NSDI development is a multilateral process that requires full involvement and constant dialogue with data holders.

The StateGeoCadastre regularly holds thematic meetings with spatial data holders from almost all sectors of the economy to discuss the main principles of the draft of “A set of specifications for topographic datasets. Specification for geospatial datasets of a topographic map at a scale of 1:10 000”. The implementation and usage of developed data specification will allow to unify the production of digital topographic data at the mentioned scale, simplify their verification and will partially automate the process of cartographic production in the future. Relevant meetings are regularly held with representatives

of the State Agency of Water Resources of Ukraine, Ukrmorkartographia, Ukrzaliznytsia, the Ministry for Development of Communities and Territories of Ukraine, and others.

The parties reviewed and agreed on the categories, objects types and their attributes, thematic classifiers of these objects, methods and ways of determining their coordinates. Another important topic of the negotiations was the elimination of duplication of spatial data collection and monitoring, which will ensure effective integration of basic and thematic spatial data.

The requested data includes information on a land relief, magnetic field, land cover, geographical names and a number of other parameters.