

Ukraine

State Service of Ukraine for Geodesy, Cartography and Cadastre

Overcoming major challenges to deliver land reform and spatial data in Ukraine

“The StateGeoCadastre faces four major challenges – war, budget constraints, land contamination, and updating maps of a vast geographical area within a very short timeline. In parallel, we are digitising services and re-aligning geospatial data strategies, we are trying to increase the level of public trust by launching new functionalities and geographic information systems, and we are also working to change the way citizens consider the StateGeoCadastre as a service-oriented service.”

Dmytro Makarenko
Acting Chairman, State Service of Ukraine for Geodesy, Cartography and Cadastre

Continued implementation of Land Reform in Ukraine is developing tools to underpin better informed and more localised decision-making.

Significant achievements included modernisation of the State Land Cadastre (SLC) software, which now has additional functionalities for entering, displaying and extracting information. More than 1.2 million administrative services related to the SLC were provided by the state cadastral registrars of the StateGeoCadastre's territorial offices in 2023.

StateGeoCadastre has also relaunched a pilot project to delegate the powers of state cadastral registrars to certified land engineers. As a result, certified land engineers can now register land plots, create land books, assign cadastral numbers, and provide extracts from the SLC, with registrars checking, confirming or rejecting their actions. As of 31 December 2023, 47 certified land engineers were empowered as state cadastral registrars and 1,400 applications were filed.

During the agricultural land market operation, StateGeoCadastre conducted market monitoring based on the informational exchange with the Property Rights Registry. The monitoring, which includes prices, quantity of the land parcels and area sold, is conducted weekly and is openly available on the StateGeoCadastre website. In 2024, StateGeoCadastre is planning to launch the automated public land relations monitoring system which will use data from nine state authorities.

Through its partnership with the Japan International Cooperation Agency (JICA), StateGeoCadastre continues progress towards operation of the National Spatial Data Infrastructure (NSDI), most recently with the production and acceptance of updated 1:10 000 topographic maps covering 509 km². It also finalised the development of the NSDI geoportal which provides access to 20 geospatial datasets. Four use cases demonstrate different applications of the information available.

The launch of the State Cartographic Fund's Geoportal has made it possible to provide executive authorities, institutional cartographic and geodetic funds, and local governments with validated topographic, geodetic, and cartographic data to reduce budgets and the cost of duplication. The geoportal means that geodetic, topographic and cartographic materials (topographic plans and maps of the entire scale range from 1:500 to 1:1 000 000), hydrographic and aerial survey materials are accepted by the State Cartographic and Geodetic Fund through a personal account based on a geographic information system.

Use cases demonstrating different applications of the information available via the NSDI geoportal.



Benefits

- Continues implementation of Land Reform in Ukraine,
- Supports decentralisation by developing tools that help better informed and more localised decision-making processes.
- Increases income for local budgets and increases tax revenues as a result of more accurate and complete knowledge of property locations and values.
- Improves transparency through access to public information, reducing corruption risks and minimising bureaucracy.
- Increases the accuracy and up-to-dateness of spatial data.
- Optimises time and resources required for completing the registration cycle through the introduction of a digitised process.
- Provides a reliable and robust way for monitoring land relations.