



Ukrainian
Geological
Survey



Ministry of Environment
and Natural Resources
of Ukraine

The Ukrainian Geological Survey

a modern service-oriented institution



Focus on Europe

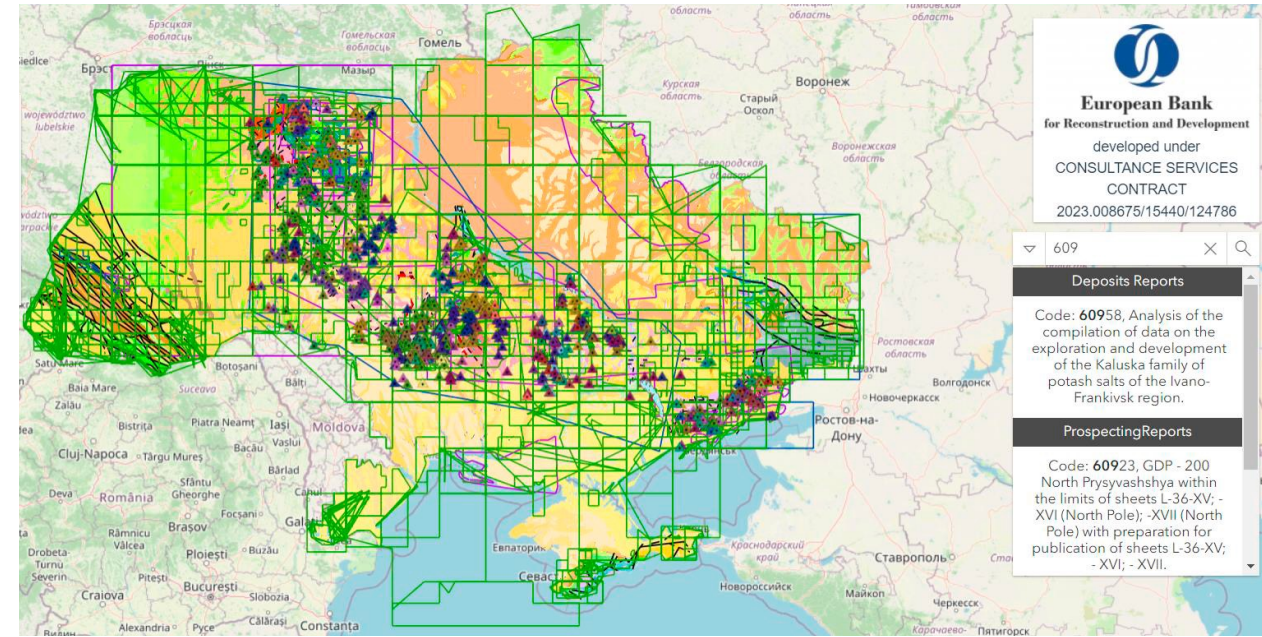
- In July 2021, Ukraine and the European Union concluded a **Memorandum on Strategic Partnership in the Raw Materials**, which gives Ukraine the status of Strategic Partner
- One of the key tasks of the Critical Raw Materials Act is drawing up the **National exploration programme** by each member-state targeted at critical minerals. Such programmes shall include mineral mapping, geochemical campaigns, geoscientific surveys, and processing of the data
- Other provisions of the CRM Act include requirements to make publicly available information about minerals containing critical minerals on a free access website, adopt the lists of strategic and critical raw materials, use the UNFC classification system to evaluate their reserves and resources
- Critical minerals became a chapter of EUR 50 billion **Ukraine Facility** for the period from 2024 to 2027

https://ec.europa.eu/commission/presscorner/detail/en/ip_23_1661



Cooperation with the EBRD

- Digitization of legacy geological reports, development of the National geological web portal and IT infrastructure are the purpose of the Memorandum with the EBRD in respect of cooperation on modernization of geodata management ¹, concluded in Brussels on November, 2022
- The project sets financing the scanning of 60 thousand books of geological reports during three years, make digitized data accessible online and establish of English-language tools of geological information management databases
- In accordance with the half-year agreement between the EBRD and Geoinform of Ukraine, in 2023 the respective technical equipment and software were purchased, 5000 books of geological reports were digitized and made available via online interactive map, representing 125 critical raw minerals deposits
- Those materials will be a part of the "data room" and can be used by investors for analysis to further nominate such deposits for open international tenders and auctions



¹ www.geo.gov.ua/derzhheonadra-pidpysaly-memorandum-z-yebrr-pro-tekhnichnu-dopomohu/

Ukraine proposes a wide range of mining investment opportunities

100 projects of mainly ten critical raw materials* could be developed to bridge the current mining gap in Europe

	Greenfield	Brownfield
Licensed	26	9
Unlicensed	50+	11
Dobra hard-rock lithium deposit (4220 acres) – 50 year license available	Stremyhorodske is one of largest titanium deposits globally – 50 year license available	Novopoltavske is large phosphate and rare earth deposit globally – \$300 mln investment needed

* main mineral: Ilmenite, Rutile, Zircon, Lithium, Graphite, Nickel, Beryllium, Rare Earth Elements, Polymetallic, Zink



Update of the National Mineral Strategy until 2030

The object of the drafted updates of the law is to adapt it to the best international practice, taking into account current abilities and new mining opportunities of Ukraine:

- Focus of efforts on the discovery of critical minerals, carrying out of geological works to increase mineral resources (instead of reserves) by state-owned geological enterprises
- Geological mapping of Ukraine, monitoring underground water and exogenous processes, maintaining geological databases, conducting inspections on the sites and supervising license-holders' operation
- Implementation of digital techs of data storage and use, development of the mineral guides for local communities across the country
- Ensuring a stable funding of the Strategy through the establishment of respective facility in the national budget



One-Stop-Shop for the mining permitting process

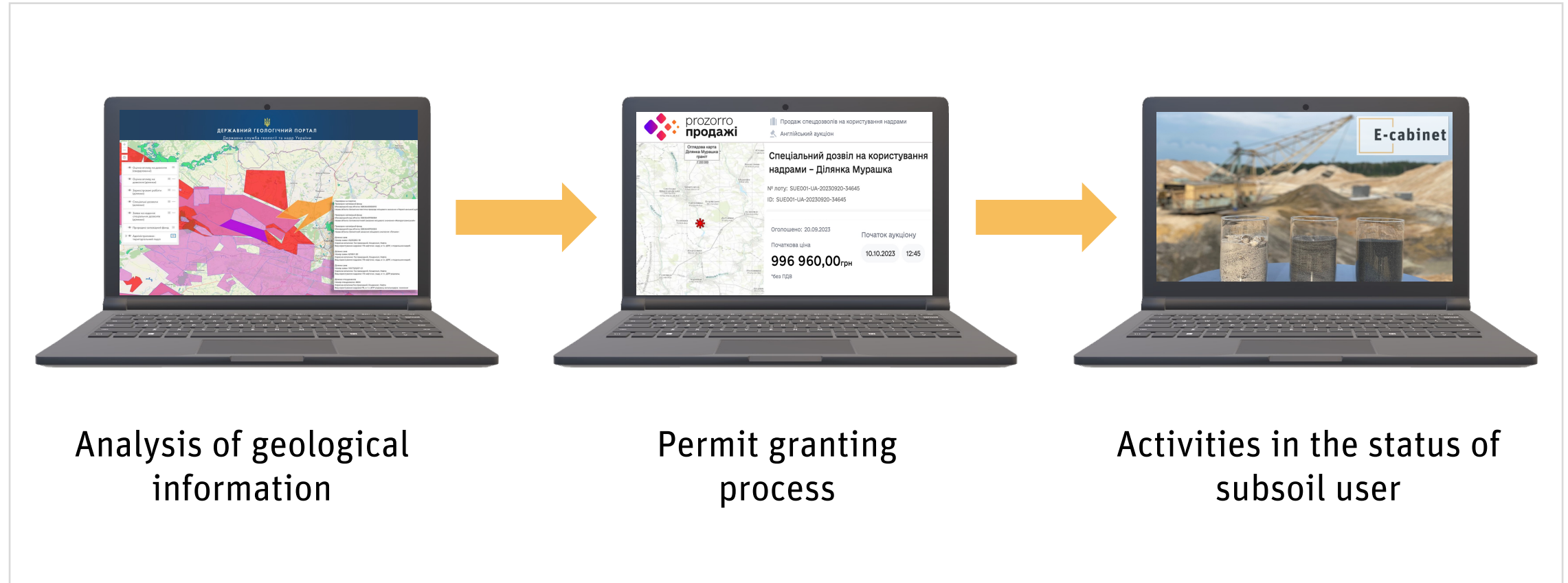
Thanks to digital solutions Ukraine has a paperless approach for permitting procedure in the mining sector

- **Online access to geodata** to speed up the decision making using the National Geological Portal
- **Online bidding** to get an E&P licenses to begin operation using the E-auctions on Prozorro system
- **Online application and reporting** with a license-holder using the E-cabinet



Annexes

Digitalization of key services to improve usability



National Geological Portal big data at *nadra.gov.ua*

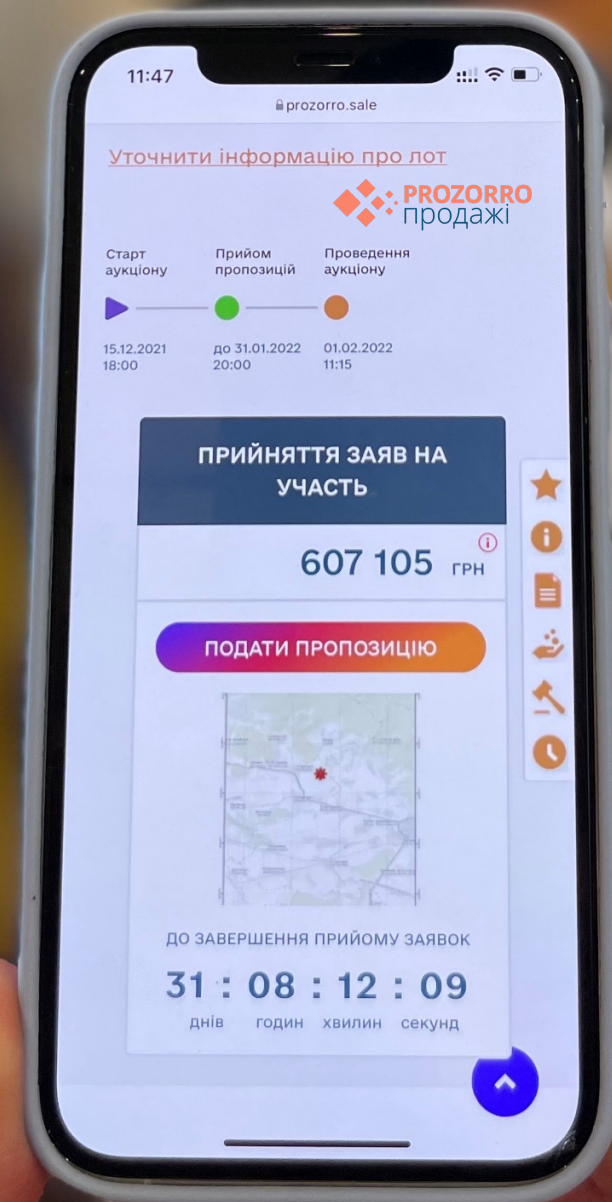
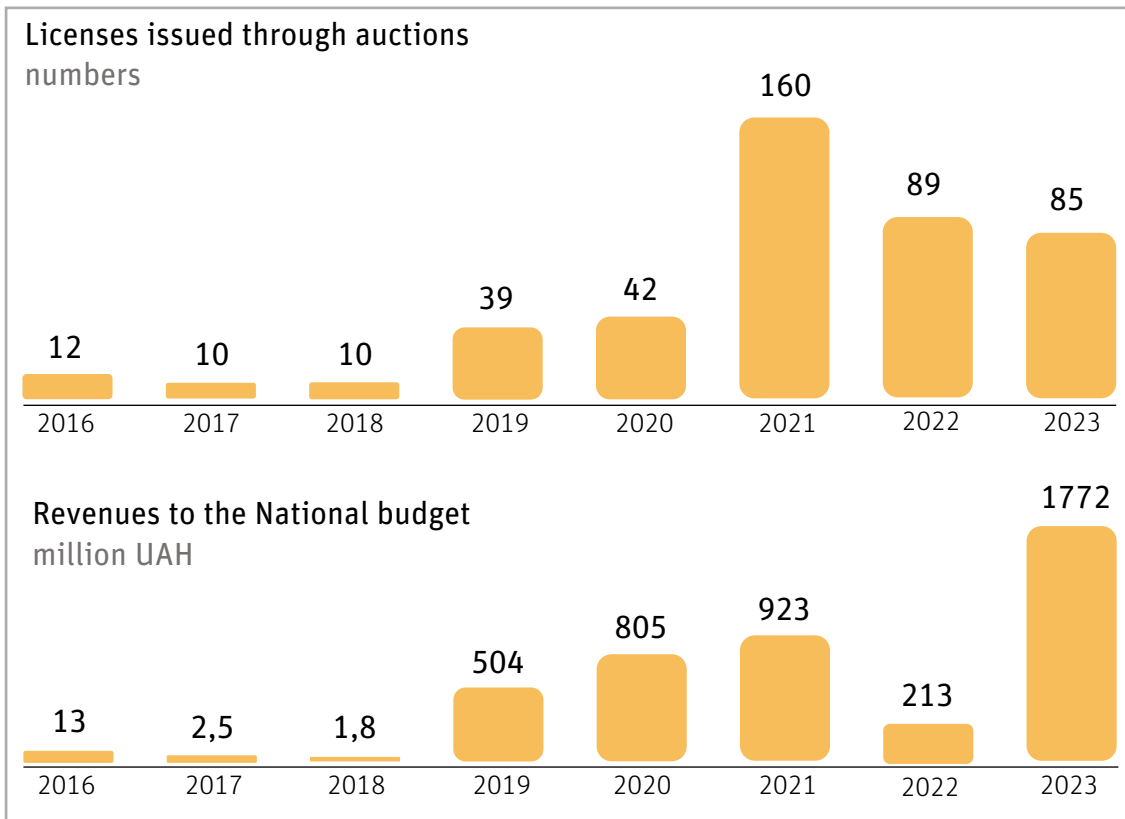
- **Interactive maps:**
 - licensed and nominated blocks
 - fields and occurrences
 - seismic profiles
 - land plots
 - administrative division
 - nature reserve parks
 - groundwater intakes
 - hazards and exogenous processes
 - environmental impact assessment
- **Registers:**
 - licenses and work programs
 - oil and gas wells
 - artesian wells
- **Catalogs:**
 - secondary geological data
 - primary geological data
 - reserves approval protocols



Nadra.gov.ua



In five years 400 licenses have been sold on e-auctions, bringing € 4.2 billion in the National budget



E-cabinet

- Since 2Q 2023 all applications for issuing, prolongation of duration, changes into the licenses as well as for initiation of e-auctions have been submitted online through E-cabinet for subsoil user
- E-cabinet tools are consistently developed, adding new digital solutions, such as online regular reporting and registration of geological works
- The authorized **National Register of licenses for subsoil use** should launch the **electronic form of licenses**, issued automatically as extract from the register





Video review of geological
information digitization process