

## ELECTRONIC INFORMATION RESOURCES IN THE MODERN LIBRARY AND INFORMATION COMPLEX

**Tetiana KOVAL,**  
ORCID 0000-0001-9734-1132  
**V.I. Vernadskyi National Library  
of Ukraine**



**Rezumat:** *Articolul examinează resursele informaționale electronice ale Bibliotecii Naționale V.I. Vernadskyi a Ucrainei, evaluând rolul acestora în serviciile de informare la distanță și justificând nevoia de optimizare a dezvoltării lor. Sunt identificate direcțiile pentru dezvoltarea ulterioară a acestor resurse în bibliotecile științifice. Constatările evidențiază modul în care biblioteca, extinzându-se în spațiul informatic virtual, integrează resursele electronice în practica de zi cu zi, îndeplinind astfel funcțiile unui complex informațional de bibliotecă. Această abordare răspunde nevoilor științifice, educaționale și culturale ale utilizatorilor atât individuali, cât și colectivi, poziționând biblioteca ca un navigator în mediul informațional-comunicațional național și global. Studiul inițiază dezvoltarea unei strategii de bibliotecă pentru formarea și utilizarea resurselor informaționale electronice în complexul informațional de bibliotecă.*

**Cuvinte-cheie:** *bibliotecă la distanță și serviciu de informare, utilizator la distanță, mediu virtual, resurse informaționale electronice.*

**Abstract:** *This article examines the electronic information resources of V.I. Vernadsky National Library of Ukraine, assessing their role in remote library and information services and justifying the need for their developmental optimization. It also identifies directions for the further development of these resources in scientific libraries. The findings highlight how the library, by expanding into the virtual information space, integrates electronic resources into everyday practice, thereby fulfilling the functions of a modern integrative library and information complex. This approach meets the scientific, educational, and cultural needs of both individual and collective users, positioning the library as a navigator in the national and global information-communication environment. This study initiates the development of a further library strategy for the formation and use of electronic information resources in the contemporary library and information complex.*

**Keywords:** *remote library and information service, remote user, virtual environment, electronic information resources.*

With the development of information technologies, the status of a scientific library is determined not only by the quantitative composition of its document collections but also by the range of electronic information resources (EIR) it develops and utilizes in its operations. Article 1 of the Law of Ukraine „On the National Program of Informatization” defines EIR as „systematized information and data created, processed, and stored electroni-

cally with the help of technical means and/or software products” [1]. V.I. Vernadskyi National Library of Ukraine (VNLU) plays a leading role in forming and using EIR, acting as the nationwide research, methodological, informational, and organizational center of the network of libraries of scientific institutions of the National Academy of Sciences of Ukraine. VNLU serves as a domestic provider of scientific, bibliographic, abstract, and full-text electronic

information. In meeting the remote library and information needs, VNLU continuously develops, reorganizes, and promotes digital content of its own generation EIR, thereby becoming even more convenient, in-demand, accessible, attractive, and comfortable for a wide readership. Considering the relentless growth in the demands for meeting the needs of modern science, education, culture, etc., and in view of the socio-political, socio-economic, and recently, military-political changes in the national and global society, VNLU constantly researches and implements innovative forms and methods of remote library and information service.

With the advancement of electronic technologies, there is a measurable decline in the level of traditional components of library and information services; the number of users inclined to receive information and services in a virtual environment is significantly increasing. This demands from V. I. Vernadskyi National Library of Ukraine (VNLU) an intensive development and implementation of Electronic Information Resources (EIR), focused on efficient remote service delivery.

The solution to this challenge lies in the continual development of the official VNLU web portal (<http://www.nbu.gov.ua>) and the enhancement of a variety of EIR created by VNLU departments and hosted on its platform. This primarily involves organizing access to the electronic catalog (EC) in real-time, as well as to library databases (DB), electronic publications, electronic library, electronic collections, electronic exhibitions, electronic abstract and bibliographic sources, electronic digests, and virtual web services (electronic document delivery (EDD), virtual reference service [VRS], etc.).

In addition to the official web portal, V. I. Vernadskyi National Library of Ukraine (VNLU) promotes and publicizes its own Electronic Information Resources (EIR) on its Facebook page ([https://www.facebook.com/Vernadsky.Library/?ref=page\\_internal](https://www.facebook.com/Vernadsky.Library/?ref=page_internal)) and on the pages of its leading departments, including:

- The information and analytical sup-

port service for state authorities: <https://www.facebook.com/siazua>;

- The national law library: <https://www.facebook.com/nllofua>;

- The fond of the presidents of Ukraine : <https://uk-ua.facebook.com/fondprezudentiv>;

- The center for scientific and bibliographic information: [https://www.facebook.com/cnbinbu?fbref=pb&hc\\_location=profile\\_browser](https://www.facebook.com/cnbinbu?fbref=pb&hc_location=profile_browser)

- The department of music collections of VNLU: <https://www.facebook.com/mus.fond>;

- The Austrian library in Kyiv: <https://www.facebook.com/people/%C3%96sterreich-Bibliothek-Kiew>;

- The institute of manuscript of VNLU: [https://www.facebook.com/profile.php?id=100076169886950&ref=page\\_internal](https://www.facebook.com/profile.php?id=100076169886950&ref=page_internal);

- The department of rare books and manuscripts: [https://www.facebook.com/profile.php?id=100076169886950&ref=page\\_internal](https://www.facebook.com/profile.php?id=100076169886950&ref=page_internal);

- The department of comprehensive library services: <https://www.facebook.com/profile.php?id=100090960507720>.

These platforms offer additional avenues for VNLU to engage with users and expand the reach of its electronic resources. Among the most in-demand electronic information resources (EIR) of V.I. Vernadskyi National Library of Ukraine (VNLU) are:

- The scientific electronic library (a full-text collection of scientific publications, monographs, reference books, encyclopedias, dictionaries, textbooks, methodological guides).

- The scientific periodicals of Ukraine (a collection of full texts of scientific professional publications).

- The repository (an electronic archive of documents for scientific, reference, educational, and methodological purposes that reflect the history and main directions of VNLU's scientific activities).

- The „Ukrainika” electronic library.

- Abstracts of dissertations.

- The digital library of historical and cultural heritage (digitized editions of VNLU's historical-cultural collections).

- The electronic collection of newspapers.
- The electronic collection of maps.
- Information and analytical resources of the Center for Social Communication Studies (aimed at meeting the information and analytical requests of state authorities at all levels, public organizations, economic structures, and researchers).
- Specialized electronic libraries (of legal, philosophical, and library science publications).

- Electronic library exhibitions (thematic and new arrivals).
- Electronic archives (including unique projects like the „Electronic Archive of Mykhailo Hrushevskiy,” „V. I. Vernadskiy,” „T. H. Shevchenko,” implemented in collaboration with domestic scientific institutions and archives).

A segment of the „Electronic Resources of VNLU” webpage is presented in Fig. 1. Access mode: <http://www.nbuv.gov.ua/node/2116>.



Fig. 1. Fragment of the web page „Electronic Resources of VNLU”

Not being able to delve into the details of each individual electronic information resource in a brief article, we will take as an example and focus more closely on the organization of electronic library exhibitions, which are published on VNLU web portal in the „Electronic exhibitions’ section, accessible at: <http://nbuv.gov.ua/exhibitions>, with further promotion on social networks. As a component of its own Electronic Information Resources (EIR), the electronic library exhibitions (ELE) promptly cater to the scientific, educational, public, and other interests of remote users. They present new and relevant printed documents

that have arrived and are stored in VNLU collections; reveal the universal content of subsidiary collections; draw users’ attention to exclusive or specialized publications; stimulate the expansion of an active readership; and provide informational support to the system of library scientific communications.

A fragment of the electronic exhibition of journals from the collection of the Periodicals Hall on the theme: „Military Science. Military Affairs,’ organized by the Department of comprehensive library services of VNLU, is presented in Fig. 2”.

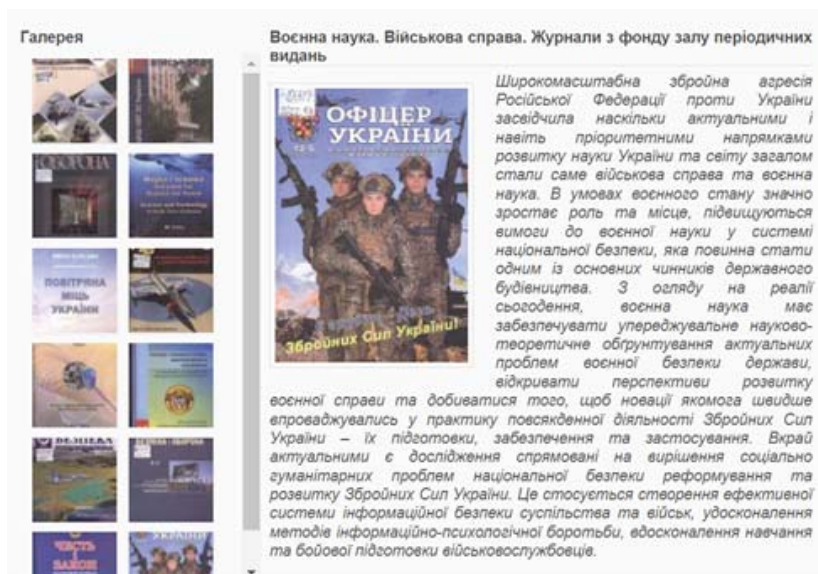


Fig. 2. Fragment of the electronic exhibition of journals on the theme: „Military Science. Military Affairs”

The remote library and information service „Electronic showcase of new arrivals to VNLU collection,” introduced in 2020, enjoys widespread demand. Accessible at: <http://www.irbis-nbuv.gov.ua/new-books>, it represents a form of electronic information adapted to the needs of scientific

communications, presenting users with a selection of the most interesting book publications from a wide range of knowledge fields.

Fig. 3 illustrates a fragment of a typical electronic exhibition from the „Electronic showcase of new arrivals to VNLU Collection”.



Fig. 3. Fragment of the „Electronic Showcase of New Arrivals to VNLU Collection”

Since the beginning of 2023, a qualitatively new electronic information product has been developed – the book trailer for electronic library exhibitions (BELE) – aimed at revealing their content and es-

sence in a vivid, audio-visual form. This initiative encourages a broad user audience to view them and fosters reader interest in the library’s collections. The first BELE was „Ukraine: Ethnocultural Mosaic,” available

on the page of the Department of comprehensive library services (DCLS) on Facebook at: <https://www.facebook.com/profile.php?id=100090960507720>, and on the

DCLS YouTube page at: [https://www.youtube.com/@vkbo\\_library](https://www.youtube.com/@vkbo_library).

Fragments of the book trailer „Ukraine: Ethnocultural Mosaic” are presented in Fig. 4.



Fig. 4. Fragments of the book trailer „Ukraine: Ethnocultural Mosaic”

It is noteworthy that the presence of a wide array of VNLU's own Electronic Information Resources (EIR) leads to active visits to VNLU web portal. According to Web Log Expert, a program for analyzing web server log files, in 2021 alone, the VNLU web portal recorded:

- Sessions – 31 million;
- Access to web materials – 805 million;
- Web page views – 18.5 million;
- Downloads of full-text resources – 445 million files.

Based on user requests, 3072 sources were provided, including 1101 bibliographic records about VNLU documents and 1971 addresses of Internet information sources and VNLU's full-text resources.

The provided library statistics data indicate that the increase in quantity and assurance of the quality of VNLU's Electronic Information Resources (EIR) fully meet the diverse library and information needs of remote users. Additionally, the use of VNLU web portal and the EIR hosted on its platform is free and requires no registration. The staff of the scientific library

actively replenishes the EIR, performs scientific editing, and improves navigation to provide users with as much high-quality information as possible.

**Conclusions.** The formation and use of Electronic Information Resources (EIR) based on modern information technologies fundamentally redefine access to information, ensuring equal user rights to its acquisition. Being mobile, compact, content-rich, and timely, library EIRs become true guides in the often uncontrolled and unreliable stream of internet information. Considering this, one of the promising directions for VNLU's development is the further refinement of EIR in the practice of remote library and information services. This direction opens opportunities for maximally satisfying the needs of remote target communities by introducing and making available large volumes of information electronically. Thanks to VNLU's focus on further developing and utilizing its own EIR, the remote library and information service for users is getting more proactive and forward-looking.

## References:

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