



Information Day

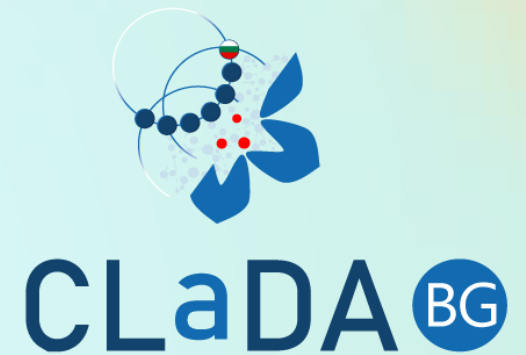
“Research Infrastructure Services in the Humanities and Social Sciences”

Desislava Paneva-Marinova, Radoslav Pavlov, Detelin Luchev, Maxim Goynov

Institute of Mathematics and Informatics, Bulgarian Academy of Sciences, Bulgaria

Table of Contents

Research results of the Institute of Mathematics and Informatics, Bulgarian Academy of Sciences within CLaDA-BG, the Bulgarian National Interdisciplinary Research e-Infrastructure for Resources and Technologies in favor of the Bulgarian Language and Cultural Heritage, part of the EU infrastructures CLARIN and DARIAH (2018-2027)



1. *CultIS*
2. *CultIS* Architecture and Main Functionally
3. Used Technology
4. *CultIS* Implementations



CultIS

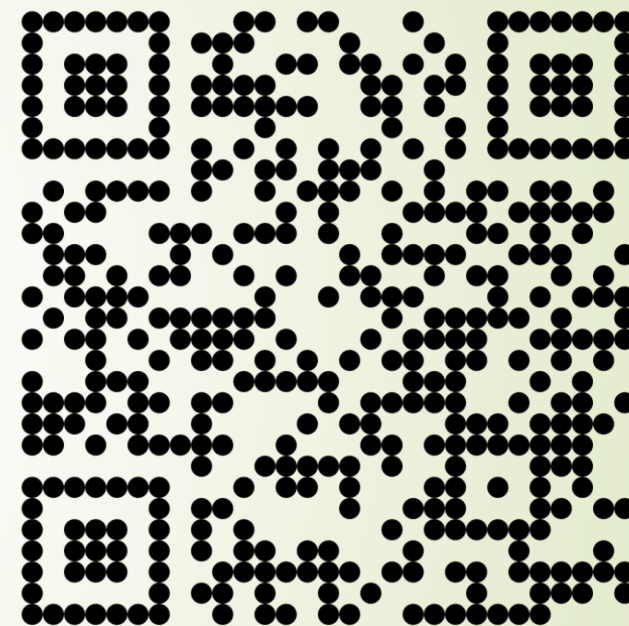
– web-based platform for intelligent cultural content management

Interactive virtual presentation of objects and collections.

Standard and complex search and grouping in various intersections.

Flexible management and structuring of metadata, data, objects.

Multilayer indexing of data using dictionaries, *etc.*



<https://cultis.math.bas.bg>

► **CultIS** is humanities and social sciences data storage, retrieval and curation environment created by rich set of OA technologies aiming to support a great variety of digital cultural units.

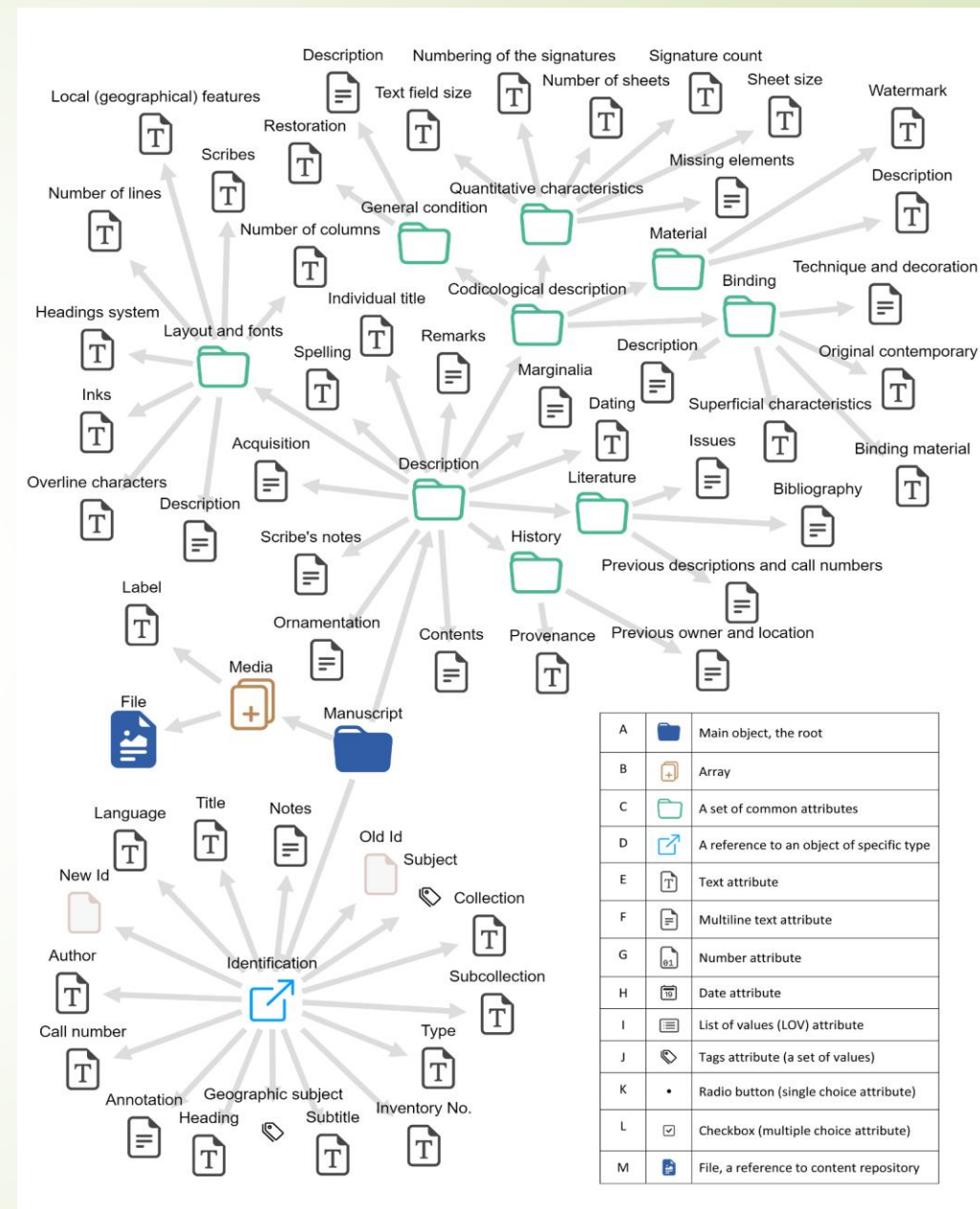
4

CultIS metadata structures

- Metadata structures in CultIS are managed using a dynamic models building service.
- It provides the ability to maintain complex structures (including arrays and recursive relations), and to extend them anytime.

Special functionalities

- Advanced querying
- API based JSON interface for communication
- Fast performing and scalable data management engine





CultIS

HTML5

CSS3

JavaScript

Vue.js

node

Bootstrap

mongoDB

git

webpack

Sphinx

NGINX

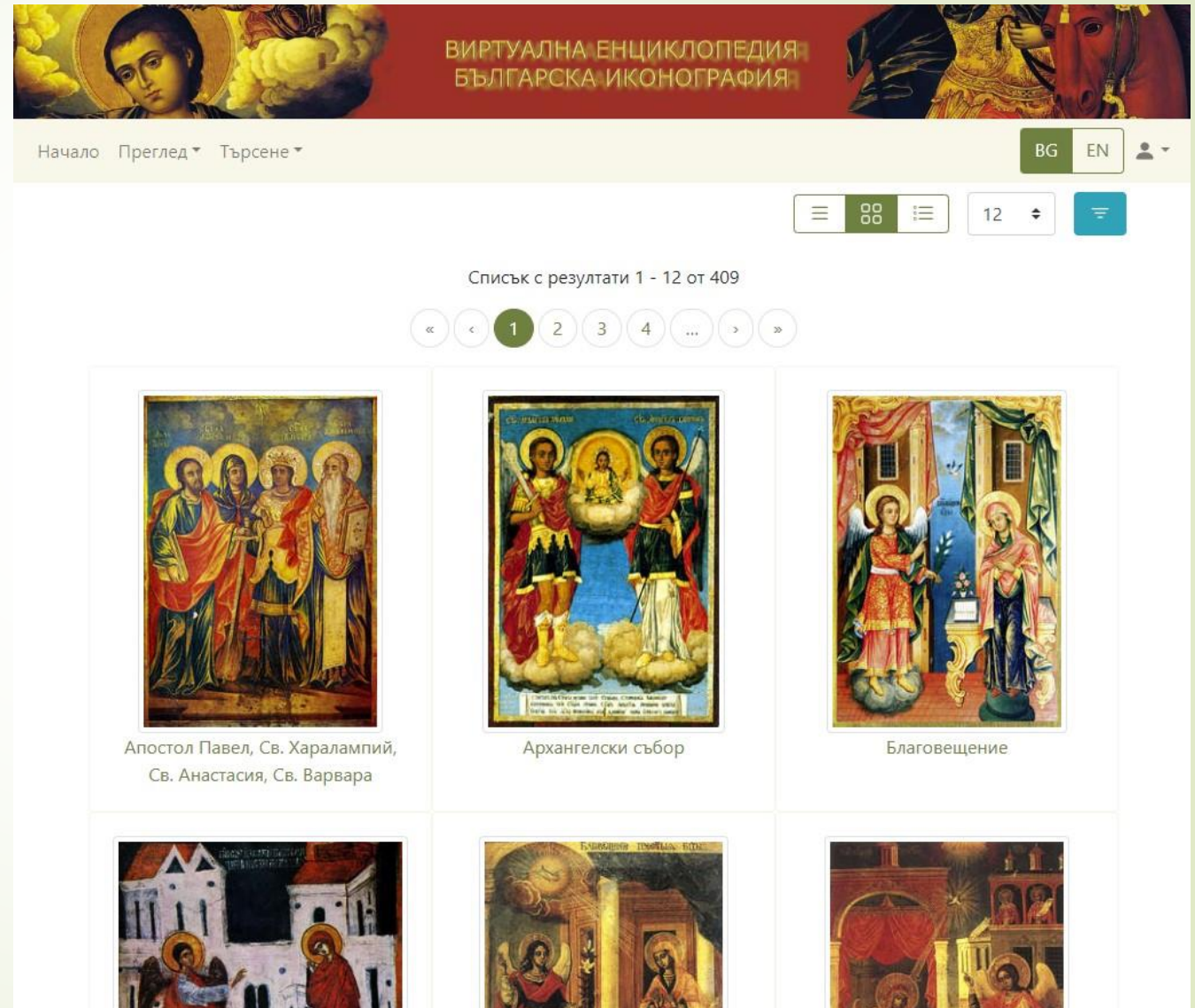
debian

Technology

► CultIS incorporates some of the most current and advanced software technologies, giving a wide range of functionalities for content manipulation, descriptive cataloging, indexing, intelligent data searching, curation, and collection development, aiming to meet the functional needs of different users.

Bulgarian Iconographical Digital Library - BIDL

- In 2021, IMI-BAS launched a new online digital library (Bulgarian Iconographical Digital Library), based on the **CultIS web-based software platform for intelligent digital management and presentation of large datasets and knowledge in the fields of culture, humanities and social sciences.**
- Bulgarian Iconographical Digital Library is a web-based digital library, containing hundreds of digital Bulgarian iconographical artifacts from different authors, periods, iconographical schools, geographical locations, museums, churches, monasteries, etc.
- <https://bidl.math.bas.bg/>.



Bulgarian Iconographical Digital Library - BIDL



Home View object Search object

BG EN

About project

The Digital Library "Virtual Encyclopedia of Bulgarian Iconography" was initially created within the project "Digital Libraries with Multimedia Content and Applications in Bulgarian Cultural Heritage", whose aim is to lay the foundations for the registration, documentation and virtual presentation of a potentially unlimited number of Bulgarian icons and iconographic objects.

The current version has been developed as an infrastructure component of CLaDA-BG, the Bulgarian National Interdisciplinary Research e-Infrastructure for Resources and Technologies in Favor of the Bulgarian Language and Cultural Heritage, Part of the EU Infrastructures CLARIN and DARIAH, whose mission is to create a national technological infrastructure for language, cultural and historical heritage resources and technologies.

The library contains several hundred specimens of Bulgarian icons from different artists, historical periods, and schools. It provides and manages complex services (heterogeneous, autonomous and distributed), processes and information workflows. The flexibility, the automatic adaptation, the universal access anywhere and anytime, the decentralization, the wide variety of digital objects and collections, the information security, etc. are some of the requirements considered in the library implementation.

The information content is extracted from the following sources:

Svetlin Bosilkov, "Arbanasi", "Svyat", Sofia, 1989;

Michael Enev, "Bansko – the spiritual centre down the ages"

Luben Prashkov "Bulgarian icons – progress, technology, restoration", "Septemvri", Sofia, 1985

Tsanko Petrov, "Icons from Tryavna painters", "Septemvri", Sofia, 1978

Teofana Matakieva-Lilkova, "The East Christian art in Bulgaria", "Borina", Sofia, 2001

Teofana Matakieva-Lilkova, "Bulgarian icon", "Balkan Press", Sofia, 1994

"Encyclopedia of the fine art in Bulgaria", "BAS", Sofia, 1980

The digital library is developed by a team of researchers from the Institute of Mathematics and Informatics, Bulgarian Academy of Sciences, the Burgas Free University and the Laboratory of Telematics, Bulgarian Academy of Science – Prof. Desislava Paneva-Marinova, PhD, Prof. Radoslav Pavlov, PhD, Assist. Prof. Maxim Goynov, PhD, Assoc. Prof. Detelin Luchev, PhD, Lubomir Zlatkov, Assist. Prof. Lilia Pavlova, PhD, Assoc. Prof. Yanislav Zhelev, PhD, Assoc. Prof. Mariya Monova-Zheleva, PhD, etc.

BIDL Games

Panoramas:

Church of the Nativity

Peter Paul Ivan Rilski

Church of Ss. Archangels Michael and Gabriel

Church of St. George in Veliko Tarnovo

Holy Forty Martyr's church and the Great Laurel Monastic Complex

BOOK@HAND



Home View object Search object

BG EN

St. Archangel Michael

Type: Icon

Author: Yoaniky (Yonko) Papa Vitanov

Iconographical school: Tryavna Iconographic School

Period: 1848 year

Location:

Country: Bulgaria

Province: Gabrovo

Town: Tryavna

Museum: Museum of wood-carving and iconography art

Source:

Country: Bulgaria

Other: Others

Characters: St. Archangel Michael

Object Description: A traditional iconographic treatment of the theme. Saint Archangel Michael is portrayed in full length, in full armour, with a red mantle on the shoulders.

Iconographical technique: Tempera

Technique description: The technique is accomplished through velaturas and "probaster" on the armour. The varnish cover is applied thinly and evenly. The gilding on the aureole is with gold-leaf. There is some engraving on the saint's aureole.

Base: Wood



Bulgarian Iconographical Digital Library - BIDL

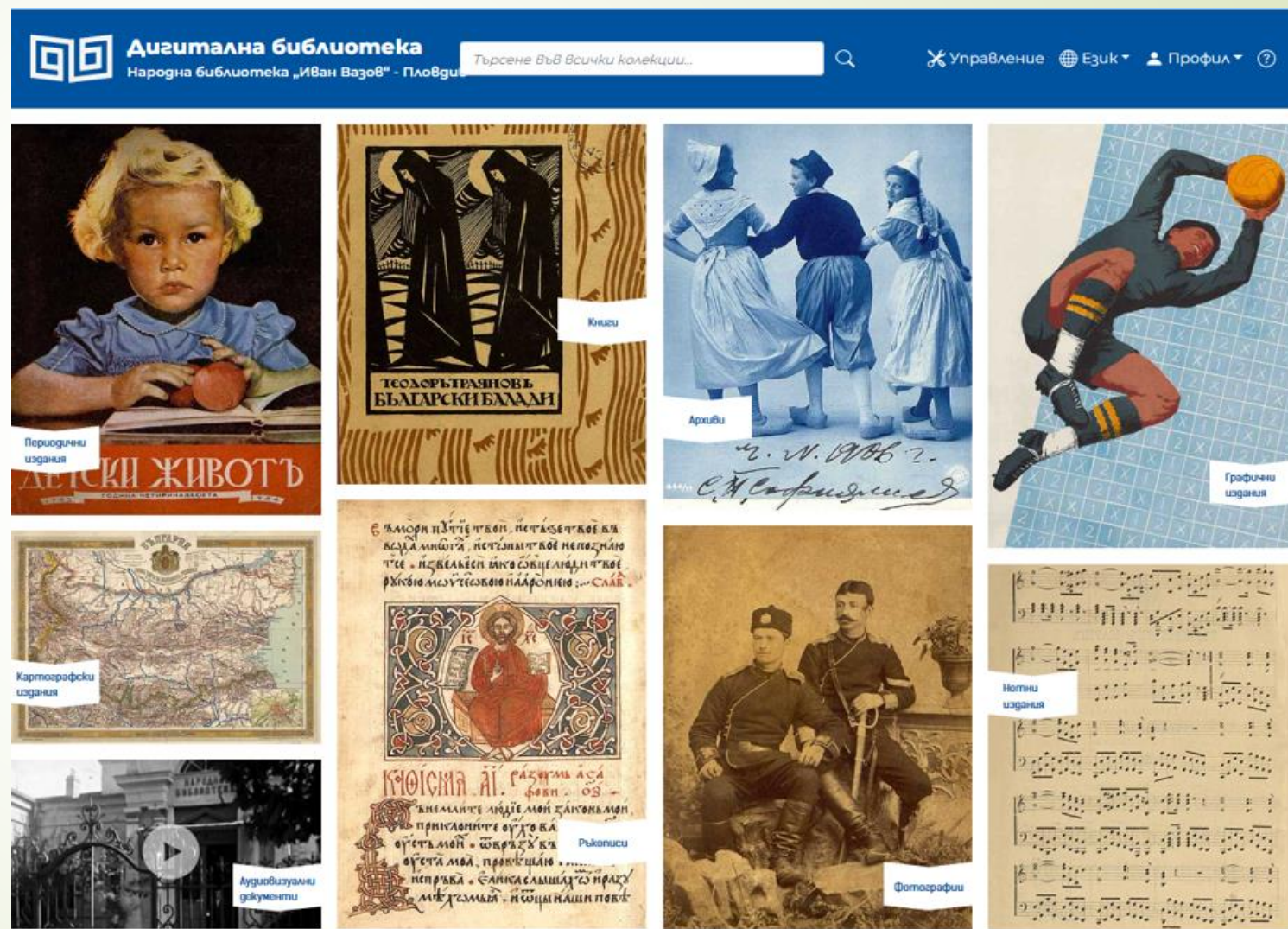
At BIDL, the user can familiarize oneself with the diversity which distinguishes Bulgarian icon painting in both technological and thematical aspects.

The Digital Library “Virtual Encyclopedia of Bulgarian Iconography” is available at <https://bidl.math.bas.bg/>

The collage displays the BIDL website and its mobile application. The website interface includes a header with the title "ВИРТУАЛНА ЕНЦИКЛОПЕДИЯ БЪЛГАРСКА ИКОНОГРАФИЯ" and a navigation menu. The main content area shows a search results page for "Bansko" with filters for Type, Author, and Iconographical school. A list of results is shown, including "The Dormition of the Virgin", "St. George the Trophybearer", "The Holy Forty Martyrs", "All Saints Day", and "The Virgin of Tenderness (Glycophilousa)". The mobile app interface shows a similar search results page for "Church of the Nativity in Arbanasi", with a grid of icons and their descriptions, such as "Tree of Jesse, detail", "Christ Pantocrator", and "Detail from 'The Last Judgement'".

Digital Library of the National Library "Ivan Vazov" - Plovdiv

The library's holdings are comprehensive and amount to over 1,900,000 library units – scientific, fiction, manuscripts, old-printed, rare and valuable publications, Bulgarian and foreign periodicals, photographs, maps, audiovisual and electronic documents, original works of art, personal libraries.



CultIS Implementations

Digital Library of the National Library “Ivan Vazov” - Plovdiv

Specific services for intelligent content curation and context-based digital library content usage for research and e-learning, as a part of this module, include functionalities closely related to the content provider needs, such as advanced collection creation, management and curation (thematic collections, time dependent collections in a calendar structure, etc.), search in the text media objects, advanced objects preview and ordering, different device support, etc.

**Дигитална библиотека**
Народна библиотека „Иван Вазов“ - Пловдив

Търсене във всички колекции...



Въстание

☒ Търсене в съдържанието ☒ Търсене в метаданните

Заглавие

Автор

Вид

От

До година

Език

Резултати от търсенето


Периодични издания
(63 | 588)


Графични издания
(3)


Картнографски издания


Фотографии

**Дигитална библиотека**
Народна библиотека „Иван Вазов“ - Пловдив

Търсене във всички колекции...



Периодични издания

Народната библиотека в Пловдив е архив на българския периодичен печат от национално з- списанията от Източнорумелийския период: В-к „Марица“ – първият български вестник „Независимост“, „Положение“, „Съединение“, „Южна България“, „Народът“, „Ред“, „Самозащита“, „Бс „Зора“, „Училищен дневник“, „Земледелец“ и т.н., както и колекцията Периодика от Възраждането.

Въстание

Автор

Заглавие

От година

Сигнатура

Местопубликуване

Вид

Списък с резултати 1 - 20 от 63

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АКАДЕМИК

Сигнатура: В 4792

Вид: Вестник

Година на издаване: 1936-1939

Местопубликуване: София

БАЛКАНСКА ЗОРА

Сигнатура: В 1921

Вид: Вестник

Година на издаване: 1891, 1893-1894, 1900

Местопубликуване: Пловдив

**Дигитална библиотека**
Народна библиотека „Иван Вазов“ - Пловдив

Търсене във всички колекции...



Управление Език Профил

Народна библиотека „Иван Вазов“ / Периодични издания / СТЪРШЕЛ

СТЪРШЕЛ

Сведения за авторската отговорност

Година на издаване

Сигнатура

Редакционен екип

1946-

В 1645

Местопубликуване

Печатница / печатар

Вид

Език

София

Вестник

Български език

Анотация

Въстание

Брой №

От година

До година

Месец

Ден

Търси Изчисти

Списък с резултати 1 - 84 от 154



Digital Library of the National Library "Ivan Vazov" - Plovdiv

The prototype provides specific services for indexing PDF objects, providing the opportunities for full-text search in the objects' content. Functionalities for presentation of PDF objects in a web environment (without browser add-ons requirements), with options for search and visualization of the results in a certain document, are integrated in the system.

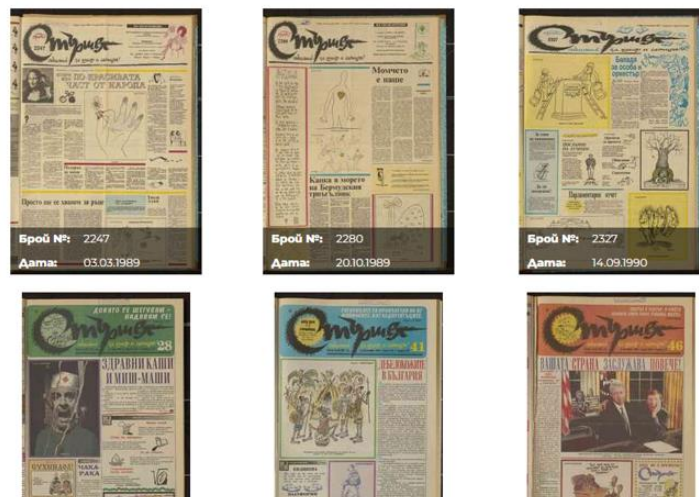
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☒ Търсене в съдържанието ☒ Търсене в метаданните

Брой № До година Месец

Ден

Списък с резултати 1 - 84 от 101



Дигитална библиотека
Народна библиотека „Иван Вазов“ - Пловдив

Търсене във всички колекции...

Управление Език Профил

Народна библиотека „Иван Вазов“ / Периодични издания / СТЪРШЕЛ / Брой № 2247, 03.03.1989

СТЪРШЕЛ, Брой № 2247, 03.03.1989

Сигнатура: В 1645
Виг: Вестник
Автор: Редакционен екип
Местопубликация: София
Година на издаване: 1946
Предметна рубрика: Хумор, Сатира, Карикатура
Географска рубрика: София
Език: Български език

телефон

Откриване на всички Съвпадение на регистъра Цели думи 1 от 2 съвпадения

3 от 4

Автоматично мащабване

Фирма „Ролва“ клява със с ба- бина граница

Народна поговорка

ДЕТО ХУБОР ТАМИ ТАРИК

ЕВОЛЮЦИЯ

Самолетът

Колко сол да турим?

Дигитална библиотека
Народна библиотека „Иван Вазов“ - Пловдив

Търсене във всички колекции...

Управление Език Профил

Народна библиотека „Иван Вазов“ / Периодични издания / Календар на периодичните издания

Календар на периодичните издания

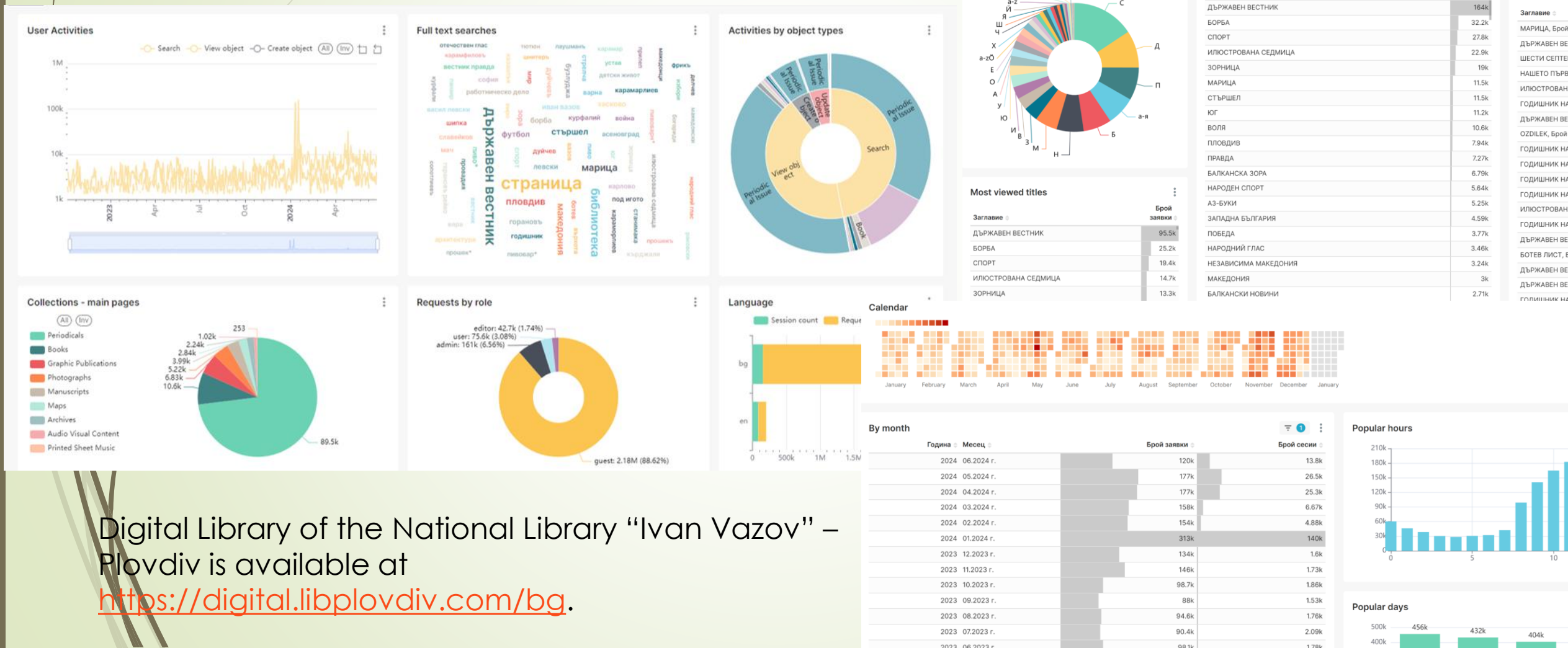
XX век							XXI век		
1903	1904	1905	1906	1907	1908	1909	1910		
1913	1914	1915	1916	1917	1918	1919	1920		
1923	1924	1925	1926	1927	1928	1929	1930		
1933	1934	1935	1936	1937	1938	1939	1940		
1943	1944	1945	1946	1947	1948	1949	1950		
1953	1954	1955	1956	1957	1958	1959	1960		
1963	1964	1965	1966	1967	1968	1969	1970		
1973	1974	1975	1976	1977	1978	1979	1980		
1983	1984	1985	1986	1987	1988	1989	1990		
1993	1994	1995	1996	1997	1998	1999	2000		

Контакт
Условия за ползване
Политика за поверителност

CultIS Implementations

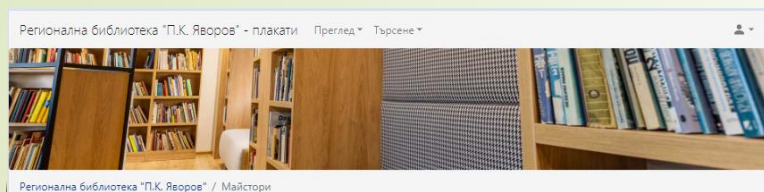
Digital Library of the National Library “Ivan Vazov” – Plovdiv

Analytical Services



Digital Library of the National Library “Ivan Vazov” – Plovdiv is available at <https://digital.libplovdiv.com/bg>.

Digital Collections of the Regional Library "Peyo Yavorov" – Burgas



Регионална библиотека "П.К. Яворов" / Майстори

Майстори



Описание: Драматичен театър "Г.Костов" Сливен "Майстори" драма в 4 действия от Рачо Стоянов, гост-режисьор Вили Цанков, гост-художник Мишо Михайлов

Категория: Театър

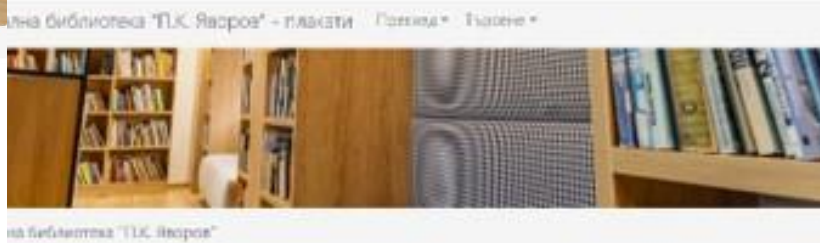
Период: 1945-1989

Материал: Хартия

☐ Местонахождение: България, Бургаска област, Бургас, Драматичен театър "Адриана Будевска"

Ключови думи: Драматичен театър "Г.Костов", Сливен, Майстори, Рачо Стоянов, Вили Цанков, Мишо Михайлов

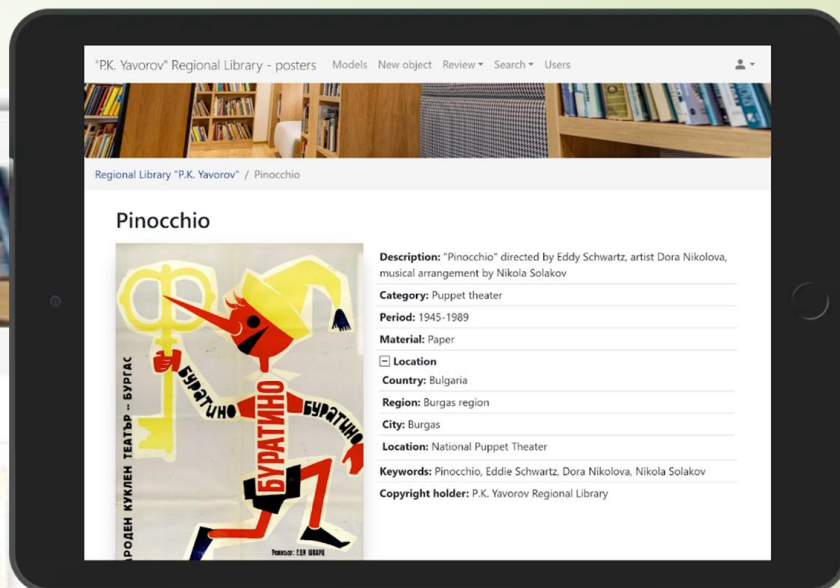
Носител на авторските права: Регионална библиотека "П.К. Яворов"



Театър



Опера



Regional Library "P.K. Yavorov" / Pinocchio

Pinocchio



Description: "Pinocchio" directed by Eddy Schwartz, artist Dora Nikolova, musical arrangement by Nikola Solakov

Category: Puppet theater

Period: 1945-1989

Material: Paper

☐ Location

Country: Bulgaria

Region: Burgas region

City: Burgas

Location: National Puppet Theater

Keywords: Pinocchio, Eddy Schwartz, Dora Nikolova, Nikola Solakov

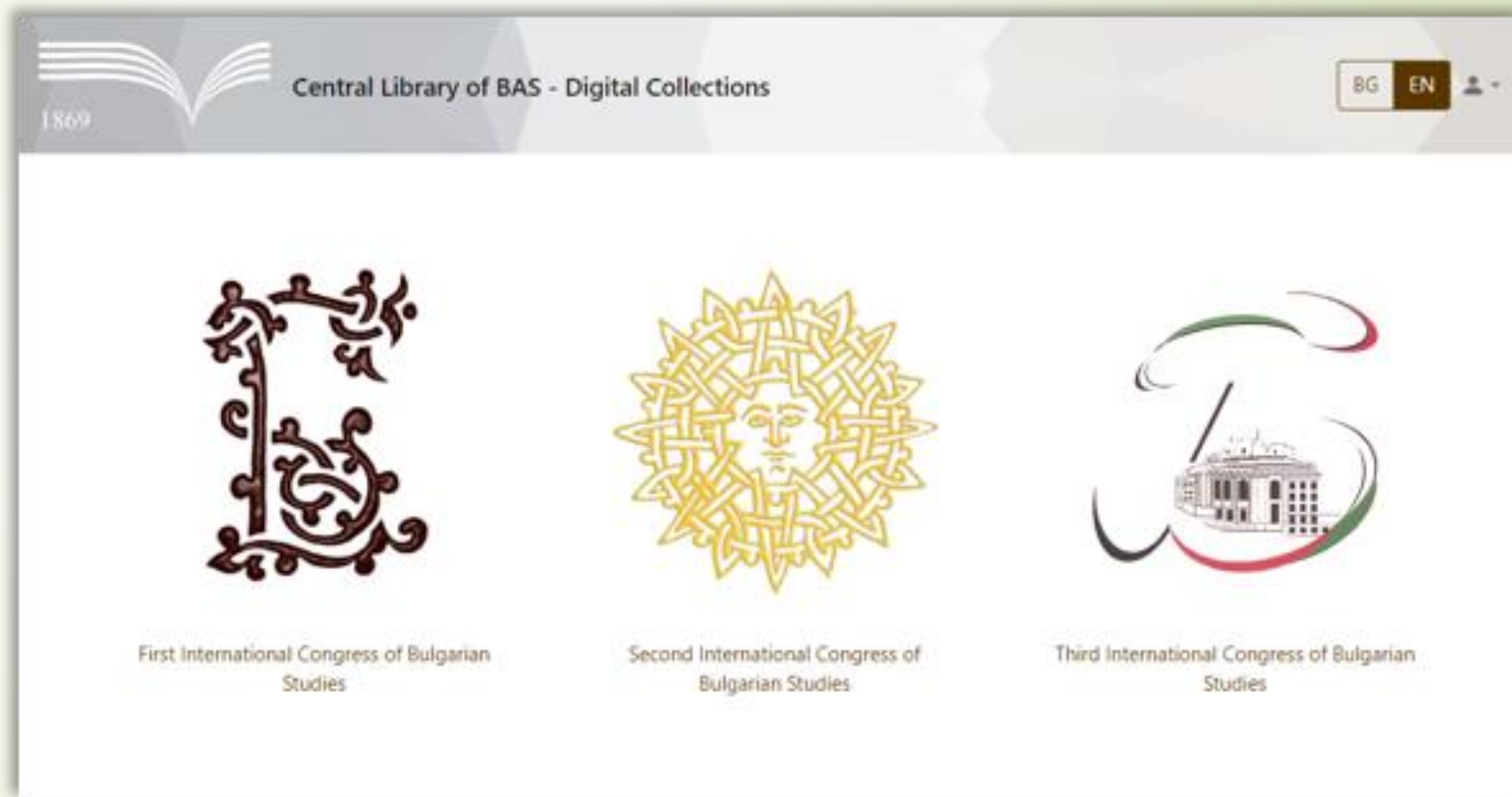
Copyright holder: P.K. Yavorov Regional Library

The collection of posters stored in the Library:
<https://plakati.bg73.net/bg>.

Digital Collections of the Central Library of the BAS

The digital collections of the papers of the First International Congress of Bulgarian Studies and the Second International Congress of Bulgarian Studies are available at

<https://clbas.bg73.net/>.



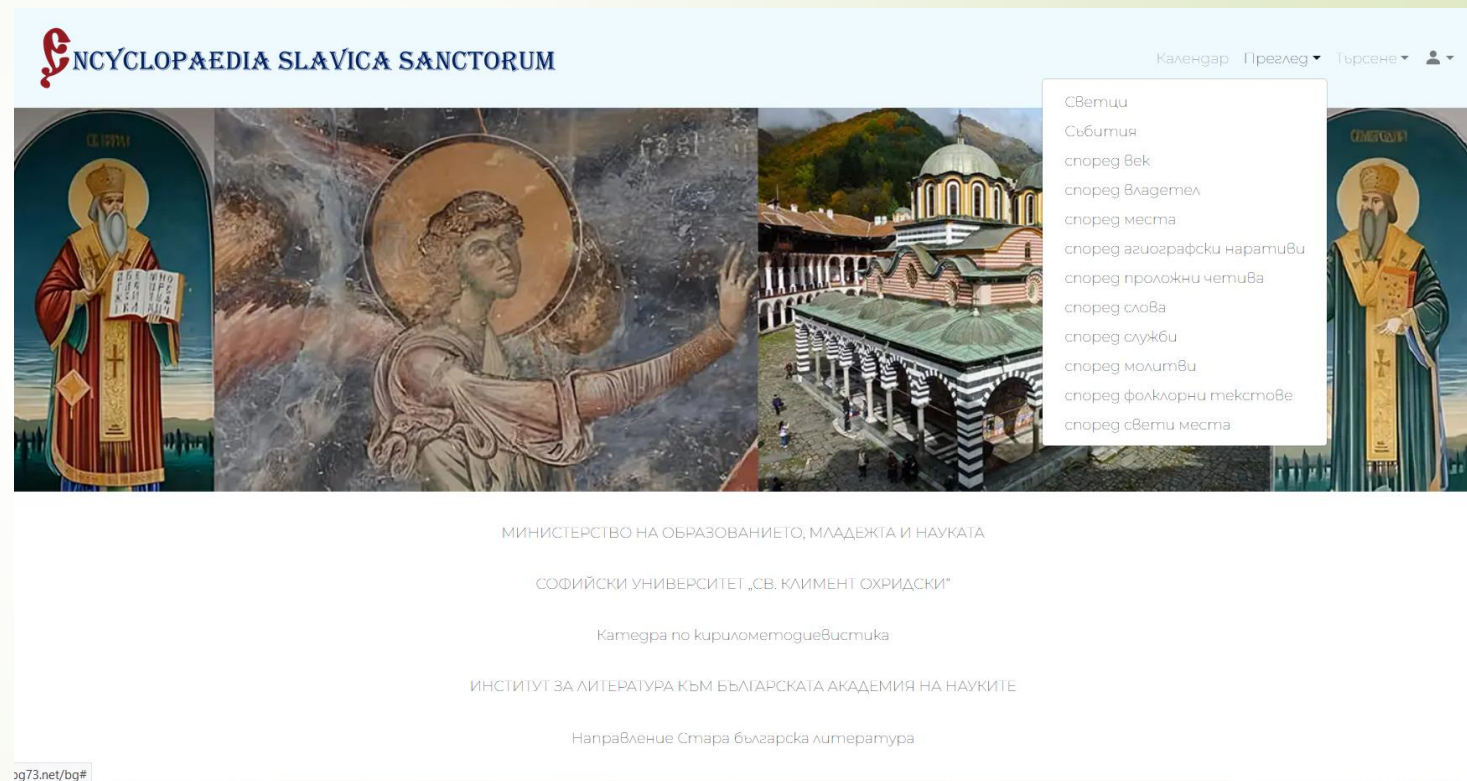
First International Congress of Bulgarian Studies

Second International Congress of Bulgarian Studies

Third International Congress of Bulgarian Studies

Encyclopaedia Slavica Sanctorum

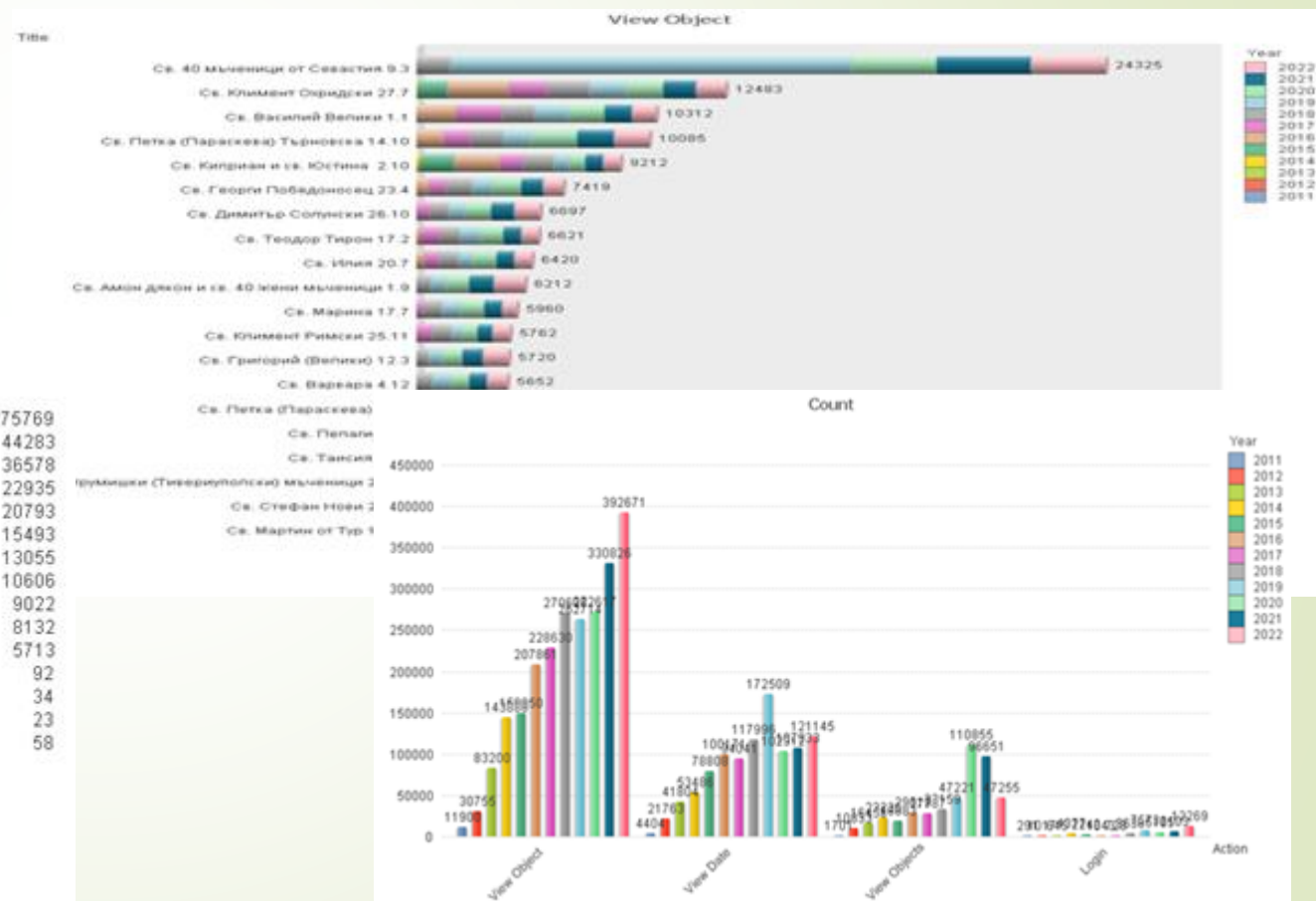
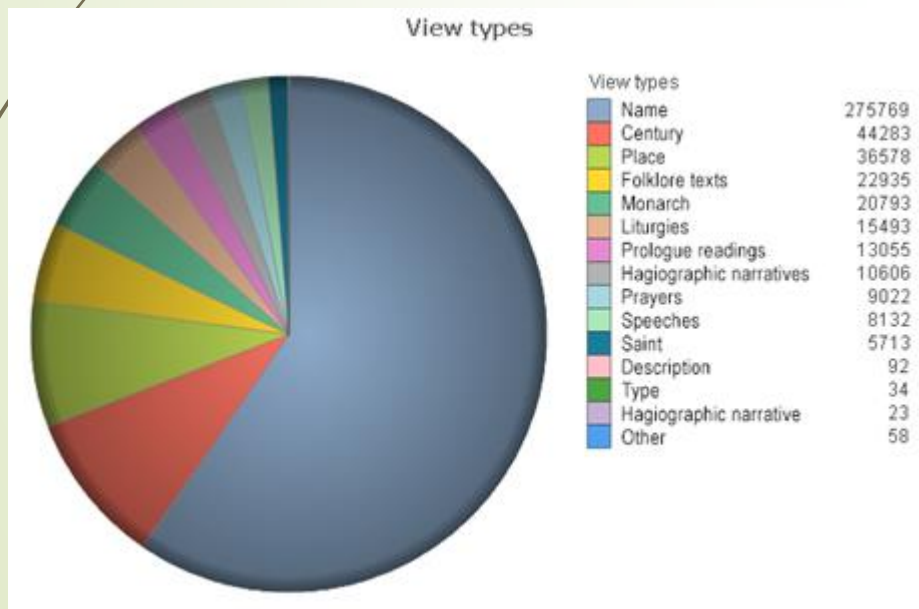
The electronic Encyclopaedia Slavica Sanctorum (e-ESS) is a calendar-oriented multimedia resource combining medieval Slavonic and later Bulgarian written and oral materials about the Christian saints' cults amongst the Bulgarians.



Encyclopaedia Slavica Sanctorum

An important characteristic of the electronic Encyclopedia Slavica Sanctorum is its integration with the Digital Library “Virtual Encyclopedia of Bulgarian Iconography”.

The test implementation of CultIS for electronic Encyclopedia Slavica Sanctorum is available at <https://ess.bg73.net/>.



Acknowledgements

The information day presents scientific results of

CLaDA-BG, the Bulgarian national research infrastructure for resources and technologies for language, cultural and historical heritage, integrated within CLARIN EU and DARIAH EU, funded by the Ministry of Education and Science of the Republic of Bulgaria (support for the Bulgarian National Roadmap for Research Infrastructure), <https://clada-bg.eu/bg/>.

