LONG TERM PRESERVATION OF LITHUANIAN CULTURAL HERITAGE: DIGITISATION AND HARVESTING

Regina Varnienė
Deputy director
Martynas Mažvydas National Library of Lithuania

Genutė Jokubaitytė
Chief librarian
Centre of Bibliography and Book Science

Lithuania

National strategy of long-term preservation of published cultural heritage

Resolution on the substitution of the Resolution No. 1389 dated November 22, 1996 of the Government of Lithuania "Regarding the order of distribution of legal deposit copies of publications and other documents to libraries" ("Valstybės žinios", 2006, No. 136-5170)

Legislation advantages

- performs control of free legal deposit copy delivery to the National Archive of Published documents;
- stores and preserves documents published in Lithuania and other documents with national content;
- stores and preserves web documents in the Archive of Electronic Resources.

Legislation disadvantages

Does not:

• identify and take into consideration new media types (including web documents) and does not provide legal certainty for their harvesting;

• define the legal deposit copy as the principal source for the National Archive of Published Documents and National Bibliography;

Legislation disadvantages

Does not:

- specify the relationship between the publisher and the library and their responsibilities;

- define the order of delivery of the legal deposit copy;

Legislation disadvantages

Does not:

- regulate legal aspects of delivery (terms and expenses), archiving and access;

- ensure protection of copyright law;

The new Legal Deposit Law shall:

- define the objective and purpose of legal deposit;

- outline the framework of legal deposit regulation by a state-authorised institution, which shall provide and realise national strategy and policy on legal deposit;

New Legal Deposit Law

- define and ensure cooperation between providers of public information and libraries;

- expand the concept of legal deposit, incorporating modern media types;

- legalize harvesting of web documents;

• define mechanisms and methods of electronic resource delivery;

• indicate state institutions and the staff responsible for accumulation and preservation of cultural heritage, their legal liability and penalties for possible violations;

Legislation on digitisation

Digitisation legislation

- State Long Term Development Strategy (2002);
- Provisions of the Lithuanian Cultural Heritage Policy;
- Concept of Digitisation of Cultural Heritage (2005).

- establishment of a single digital information environment of the Lithuanian cultural heritage with the assistance of memory institutions and other bodies responsible for cultural heritage;

- digitisation and distribution of the Lithuanian cultural heritage on the basis of the *Integrated Virtual Library Information System*;

Concept secure

• formation of an efficient infrastructure for digitisation of the Lithuanian cultural heritage in order to assist memory institutions - libraries, museums, archives and other bodies responsible for the preservation of cultural heritage, - to fulfil their obligations ;

Project:

Establishment of the Archive of Electronic Resources

(started 2002)

- Networked European Deposit Library (NEDLIB)

- DSEP - Model of the Deposit System for Electronic Publications

- OAIS – Open Archival Information System – Reference Model

- NEDLIB Harvester

- Dublin Core

Advantages of the Harvester software

- arrangement of files and their transmission to the Archive of Electronic Resources;

- duplicity control;

- transmission of new and validated URL's to the communications filter table.

Disadvantages

- Capacity;
- Indexing problems;
- Slow HTTP application servers;
- Non–existent links;
- Non–functioning JavaScripts;

Disadvantages

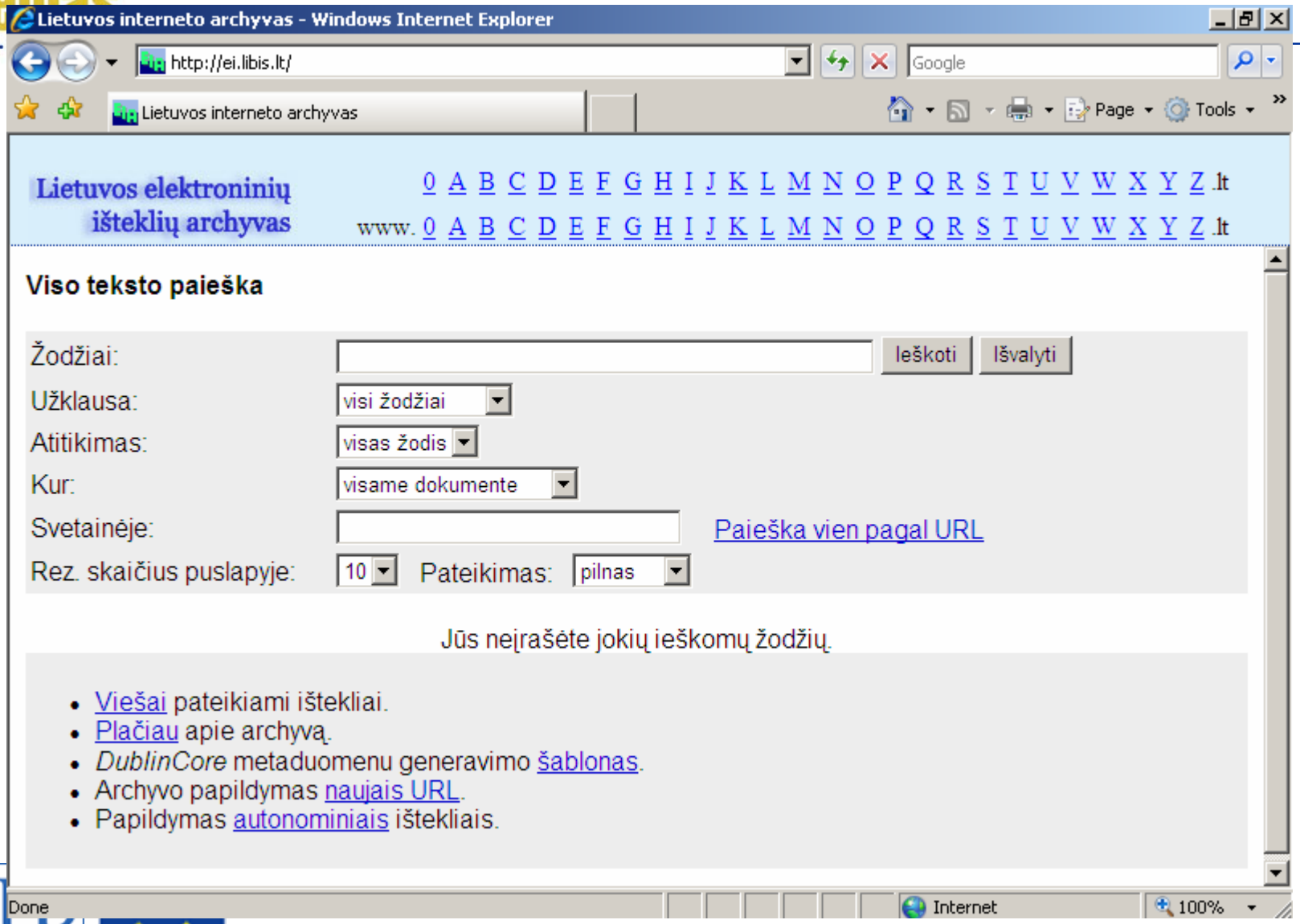
- NEDLIB harvester software is no longer supported;

In case of a new ingesting software:

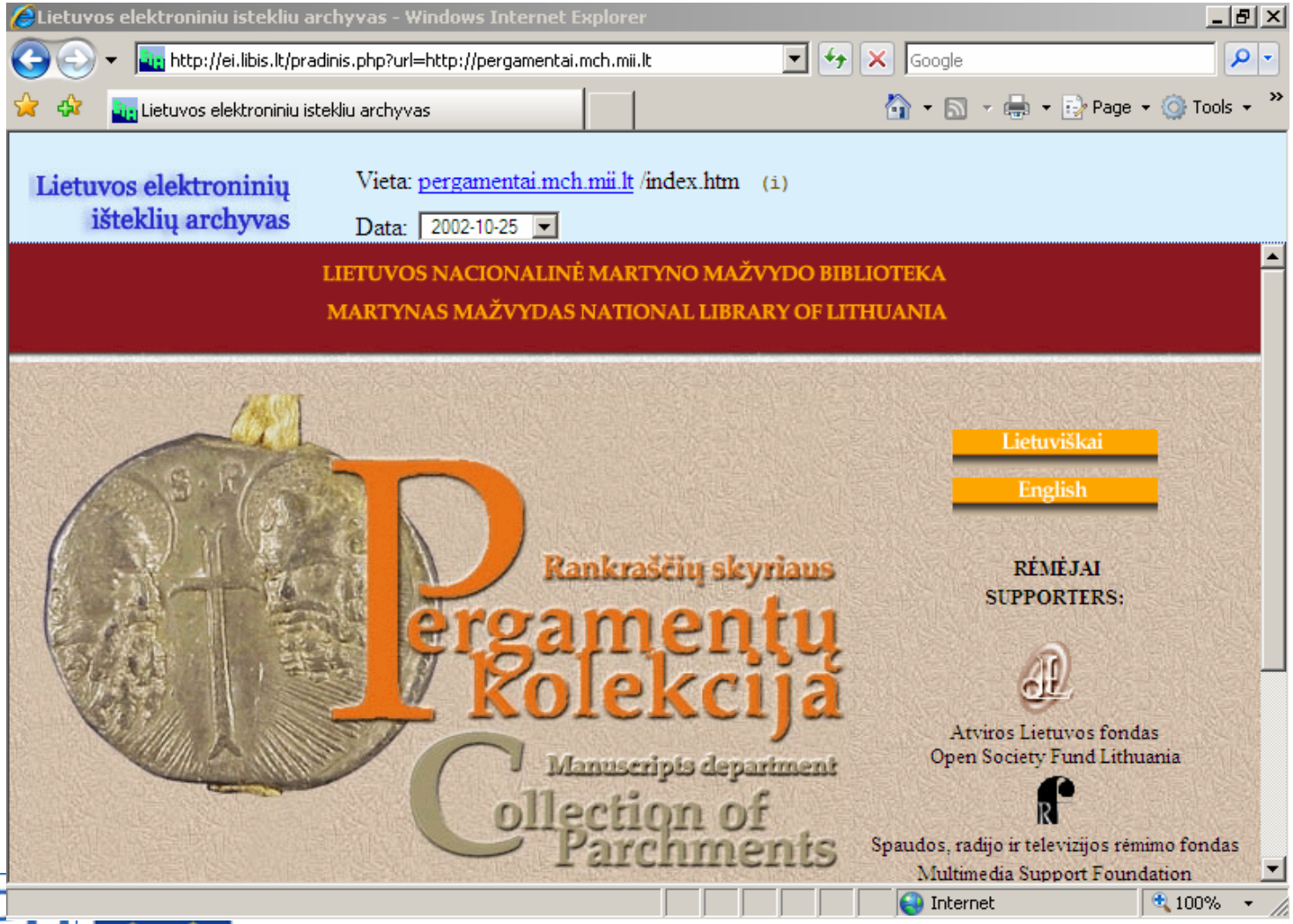
- Problems with identification of data structure produced by harvesting;

- Possibility of data conversion errors.

Examples


Lietuvos interneto archyvas - Windows Internet Explorer
http://ei.libis.lt/
Google
Lietuvos interneto archyvas
Page
Tools
Lietuvos elektroninių išteklių archyvas
0 A B C D E F G H I J K L M N O P Q R S T U V W X Y Z .lt
www. 0 A B C D E F G H I J K L M N O P Q R S T U V W X Y Z .lt
Viso teksto paieška
Žodžiai:
Ieškoti
Išvalyti
Užklausa:
visi žodžiai
Atitikimas:
visas žodis
Kur:
visame dokumente
Svetainėje:
Paieška vien pagal URL
Rez. skaičius puslapyje:
10
Pateikimas:
pilnas
Jūs neįrašėte jokių ieškomų žodžių.
Viešai pateikiami ištekliai.
Plačiau apie archyvą.
DublinCore metaduomenu generavimo šablonas.
Archyvo papildymas naujais URL.
Papildymas autonominiais ištekliais.
Done
Internet
100%

Examples


Lietuvos elektroniniu istekliu archyvas - Windows Internet Explorer
http://ei.libis.lt/pradinis.php?url=http://pergamentai.mch.mii.lt
Google
Lietuvos elektroniniu istekliu archyvas
Page
Tools
Lietuvos elektroninių išteklių archyvas
Vieta: pergamentai.mch.mii.lt /index.htm (i)
Data: 2002-10-25
LIETUVOS NACIONALINĖ MARTYNO MAŽVYDO BIBLIOTEKA
MARTYNAS MAŽVYDAS NATIONAL LIBRARY OF LITHUANIA
Rankraščių skyriaus
Pergamentų kolekcija
Manuscripts department
Collection of Parchments
Lietuviškai
English
RĖMĖJAI
SUPPORTERS:
Atviros Lietuvos fondas
Open Society Fund Lithuania
Spaudos, radijo ir televizijos rėmimo fondas
Multimedia Support Foundation
Internet
100%

Examples

http://pergamentai.mch.mii.lt/PopieziuRastai/index.en.htm

Martynas Mazvydas National Library of Lithuania

Historical Documents of the Grand Duchy of Lithuania

Popes Letters

Historical Documents of France

Historical Documents of Italy

Other Manuscripts

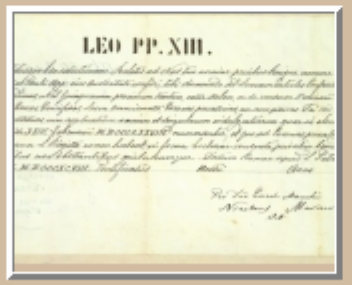
Catalogue

BRIEF DESCRIPTIONS

POPES LETTERS

I II III IV V VI VII

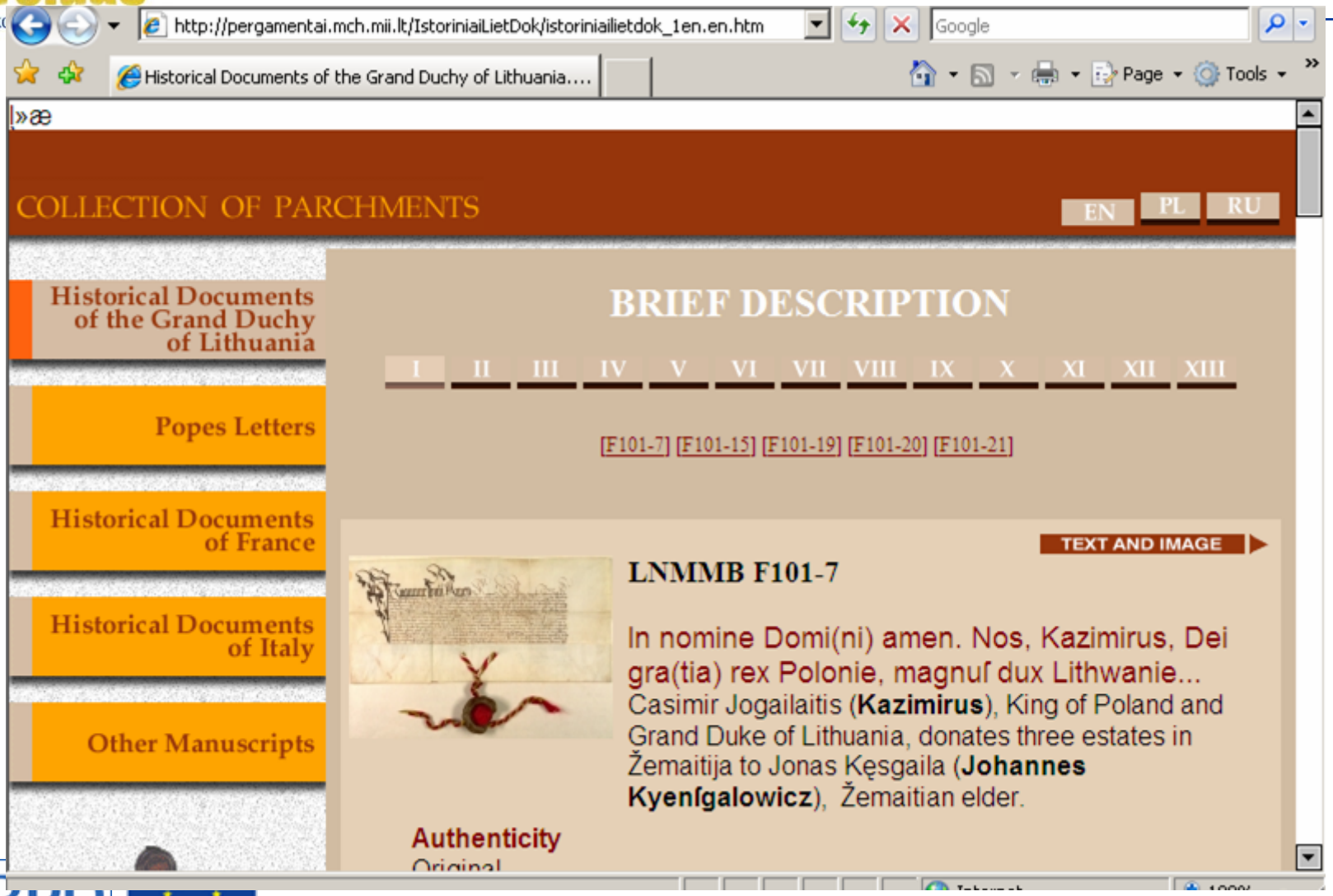
Among the treasures of the Parchments' Collection there are letters issued by the superiors of the Roman Catholic Church: twenty papal bullas, ten briefs and two letters issued by institutions of the Catholic Church. The oldest document in this group was written in 1477 and the most recent one in 1899.



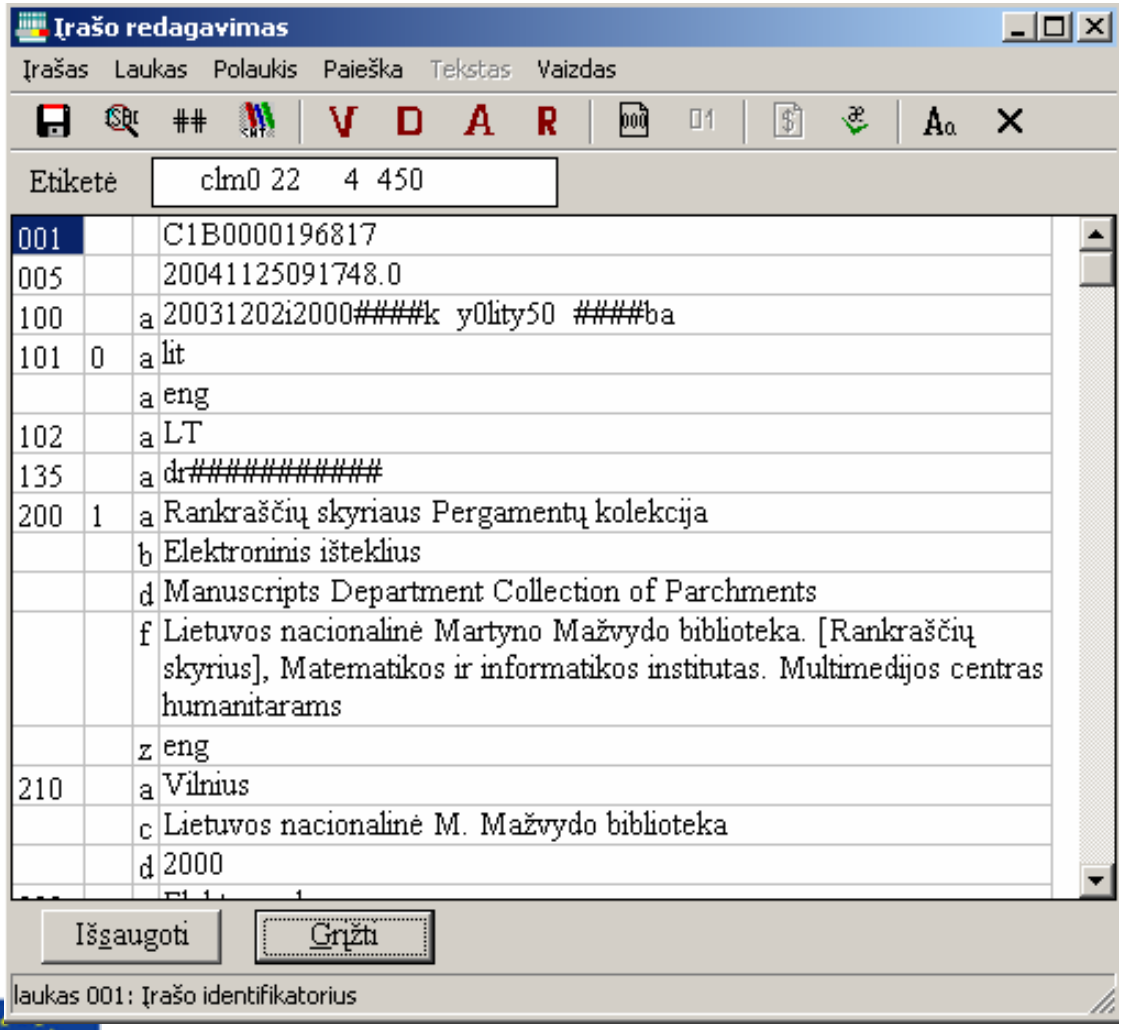
The decree of Pope Leo XIII, giving permission for Adomas Kosakovskis to possess a portable altar

The bulla of Pope Pius VI
1779. F101-117

Examples


http://pergamentai.mch.mii.lt/IstoriniaiLietDok/istoriniailietdok_1en.en.htm
Historical Documents of the Grand Duchy of Lithuania....
COLLECTION OF PARCHMENTS
EN
PL
RU
Historical Documents of the Grand Duchy of Lithuania
Popes Letters
Historical Documents of France
Historical Documents of Italy
Other Manuscripts
BRIEF DESCRIPTION
I II III IV V VI VII VIII IX X XI XII XIII
[F101-7] [F101-15] [F101-19] [F101-20] [F101-21]
TEXT AND IMAGE
LNMMB F101-7
In nomine Domi(ni) amen. Nos, Kazimirus, Dei gra(tia) rex Polonie, magnuſ dux Lithwanie... Casimir Jogailaitis (Kazimirus), King of Poland and Grand Duke of Lithuania, donates three estates in Žemaitija to Jonas Kęsgaila (Johannes Kyenſgalowicz), Žemaitian elder.
Authenticity

Examples


Įrašo redagavimas
Įrašas Laukas Polaukis Paieška Tekstas Vaizdas
V D A R
Etiketė
clm0 22 4 450
001 C1B0000196817
005 20041125091748.0
100 a 20031202i2000#####k y0lity50 ####ba
101 0 a lit
a eng
102 a LT
135 a dr############
200 1 a Rankraščių skyriaus Pergamentų kolekcija
b Elektroninis išteklius
d Manuscripts Department Collection of Parchments
f Lietuvos nacionalinė Martyno Mažvydo biblioteka. [Rankraščių skyrius], Matematikos ir informatikos institutas. Multimedijos centras humanitarams
z eng
210 a Vilnius
c Lietuvos nacionalinė M. Mažvydo biblioteka
d 2000
Išsaugoti
Grįžti
laukas 001: Įrašo identifikatorius

Cataloguing standards

- ISBD (ER) and others ISBD's;
- UNIMAR manual;
- UNIMARC guidelines No. 6
- Functional Requirements for Bibliographic Records

Project:

Creation of Integrated Virtual Library Information System

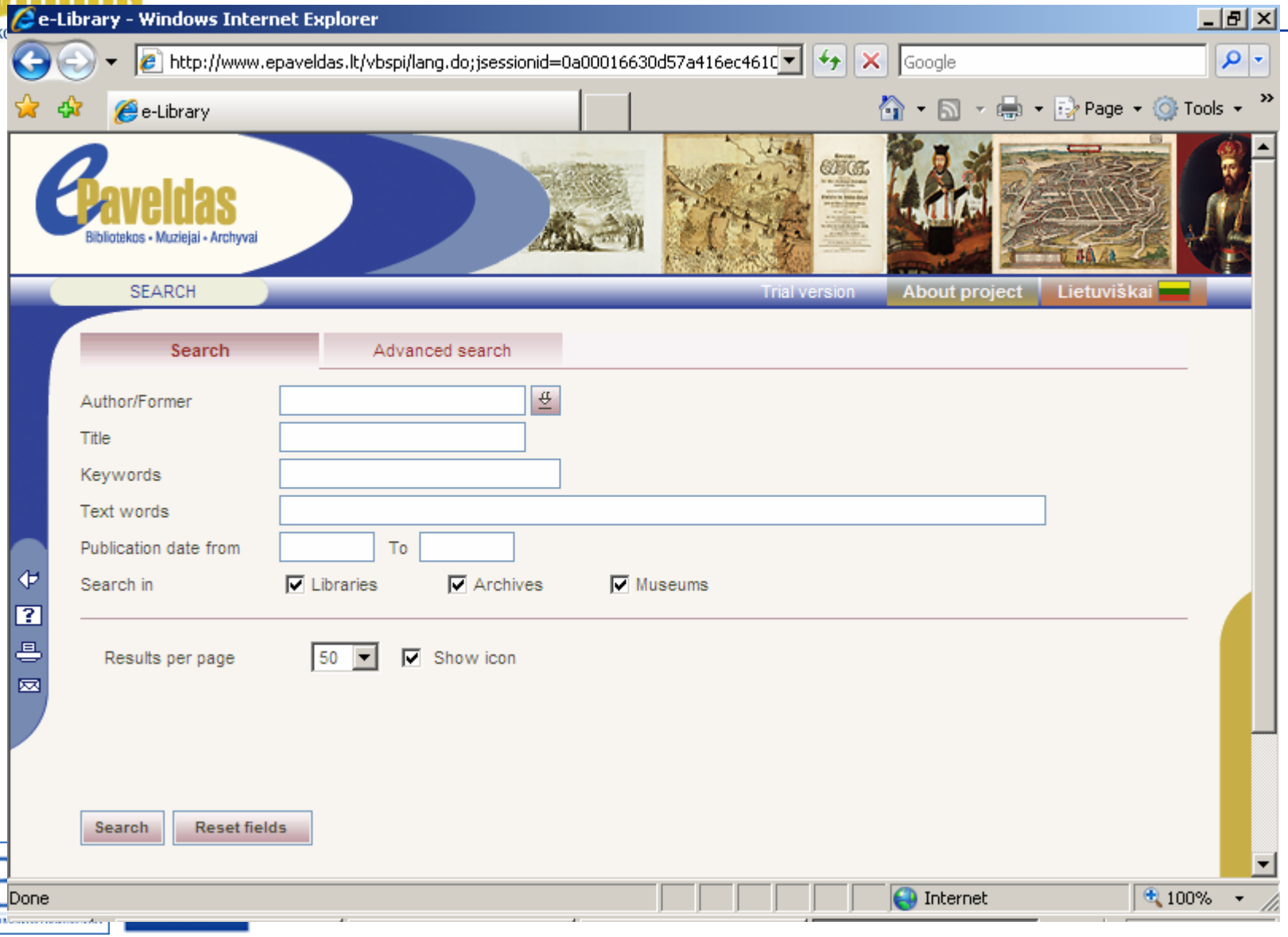
Methodology and technological approach

- ISO 14721: 2003 Space Data and Information Transfer System – Open Archival Information System – Reference Model
- Metadata format - Dublin Core
- Exchange format - EAD v2002
- Bibliographic formats - UNIMARC/B, UNIMARC/A
- Access protocol - SRU protocol

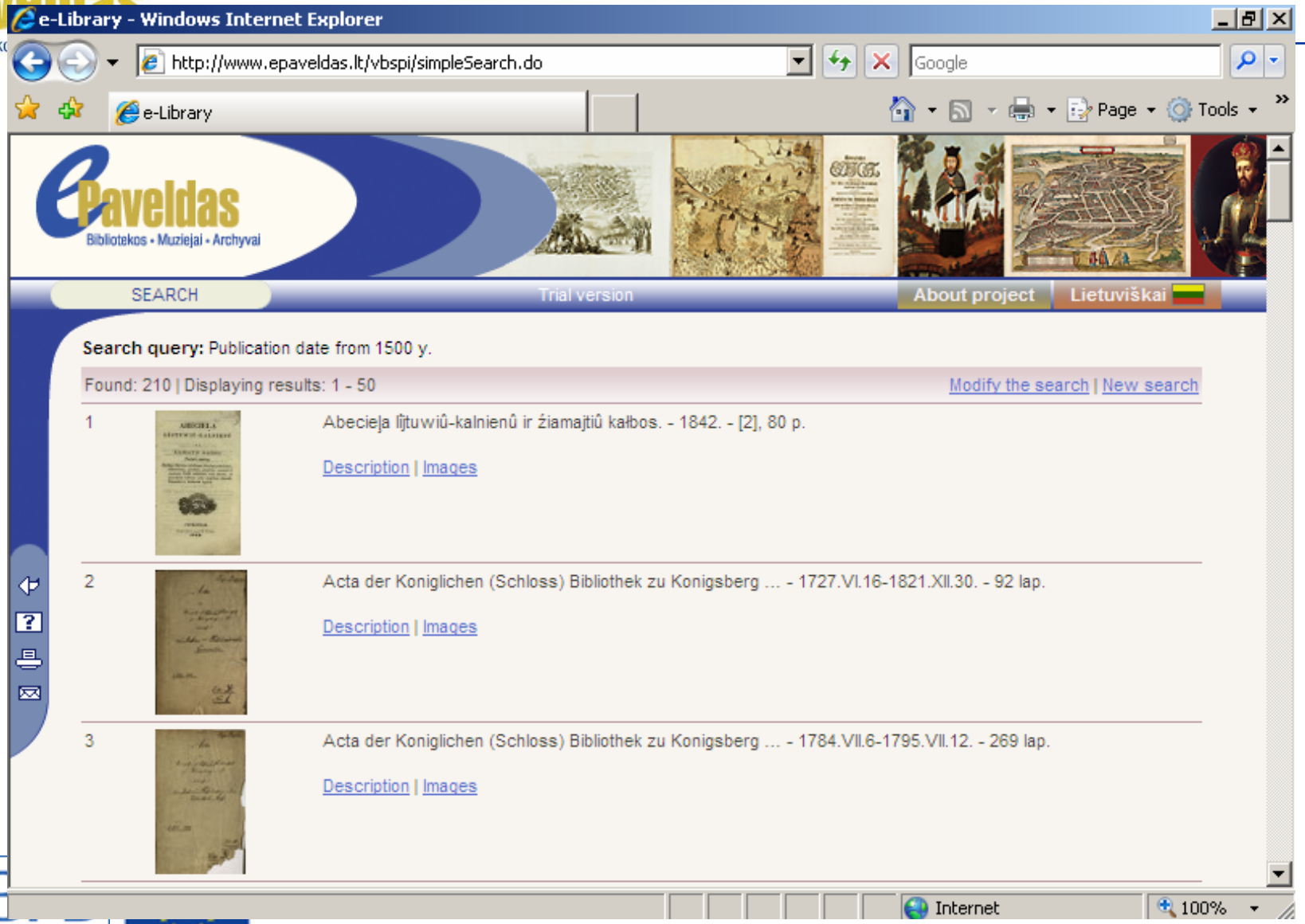
Access & exchange

- http://www.epaveldas.lt
- automatic data import
- application for business logic.

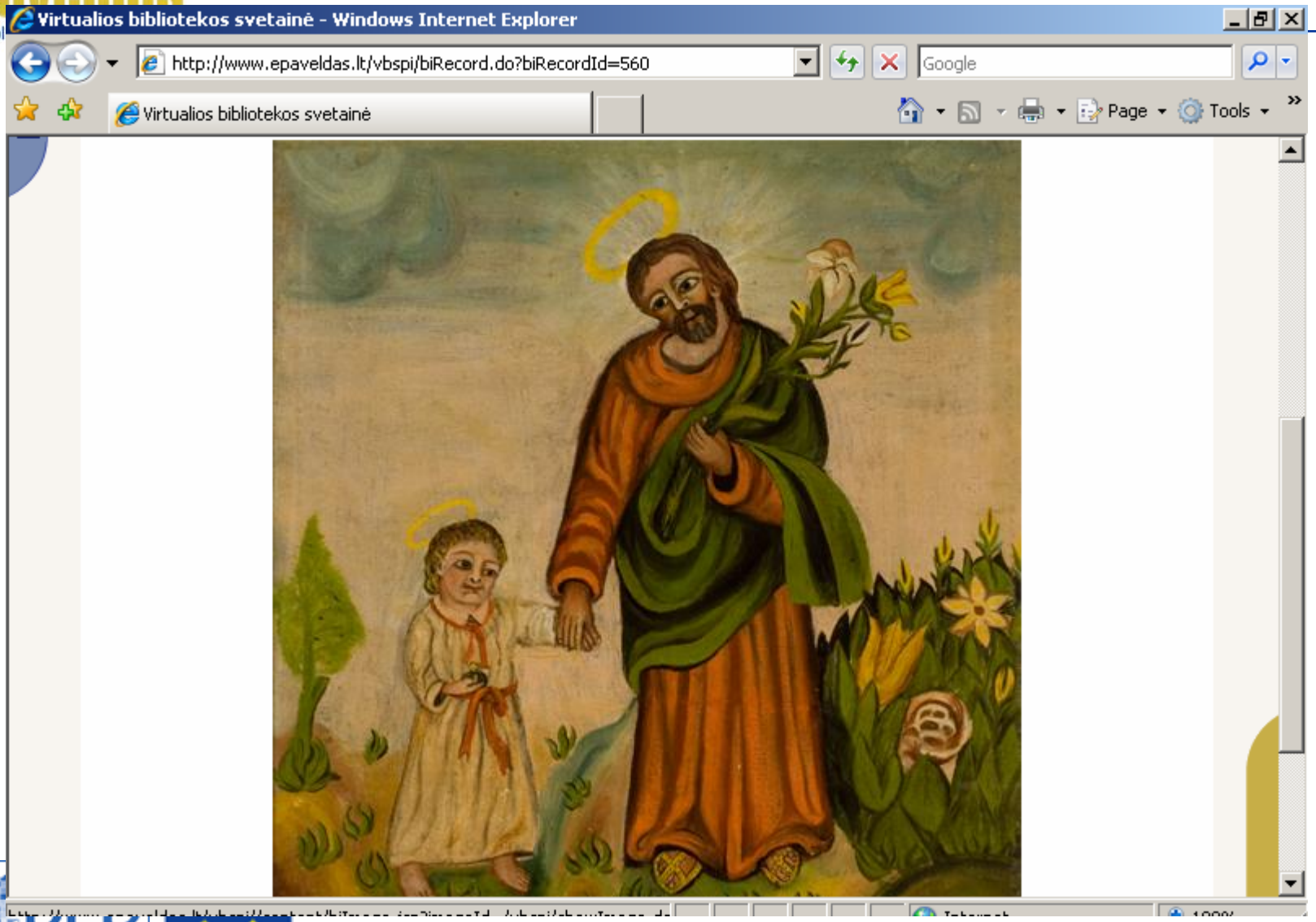
Examples


e-Library - Windows Internet Explorer
http://www.epaveldas.lt/vbspi/lang.do;jsessionid=0a00016630d57a416ec461
Google
e-Library
Page
Tools
Epaveldas
Bibliotekos • Muziejai • Archyvai
SEARCH
Trial version
About project
Lietuviškai
Search
Advanced search
Author/Former
Title
Keywords
Text words
Publication date from
To
Search in
Libraries
Archives
Museums
Results per page
50
Show icon
Search
Reset fields
Done
Internet
100%

Examples


e-Library - Windows Internet Explorer
http://www.epaveldas.lt/vbspi/simpleSearch.do
Google
e-Library
Page
Tools
Bibliotekos • Muziejai • Archyvai
SEARCH
Trial version
About project
Lietuviškai
Search query: Publication date from 1500 y.
Found: 210 | Displaying results: 1 - 50
Modify the search | New search
1
Abecieja lĩjtuwiû-kalnienû ir źiamajtiû kałbos. - 1842. - [2], 80 p.
Description | Images
2
Acta der Koniglichen (Schloss) Bibliothek zu Konigsberg ... - 1727.VI.16-1821.XII.30. - 92 lap.
Description | Images
3
Acta der Koniglichen (Schloss) Bibliothek zu Konigsberg ... - 1784.VII.6-1795.VII.12. - 269 lap.
Description | Images
Internet
100%

Examples


Virtualios bibliotekos svetainė - Windows Internet Explorer
http://www.epaveldas.lt/vbspi/biRecord.do?biRecordId=560
Google
Virtualios bibliotekos svetainė
Page
Tools