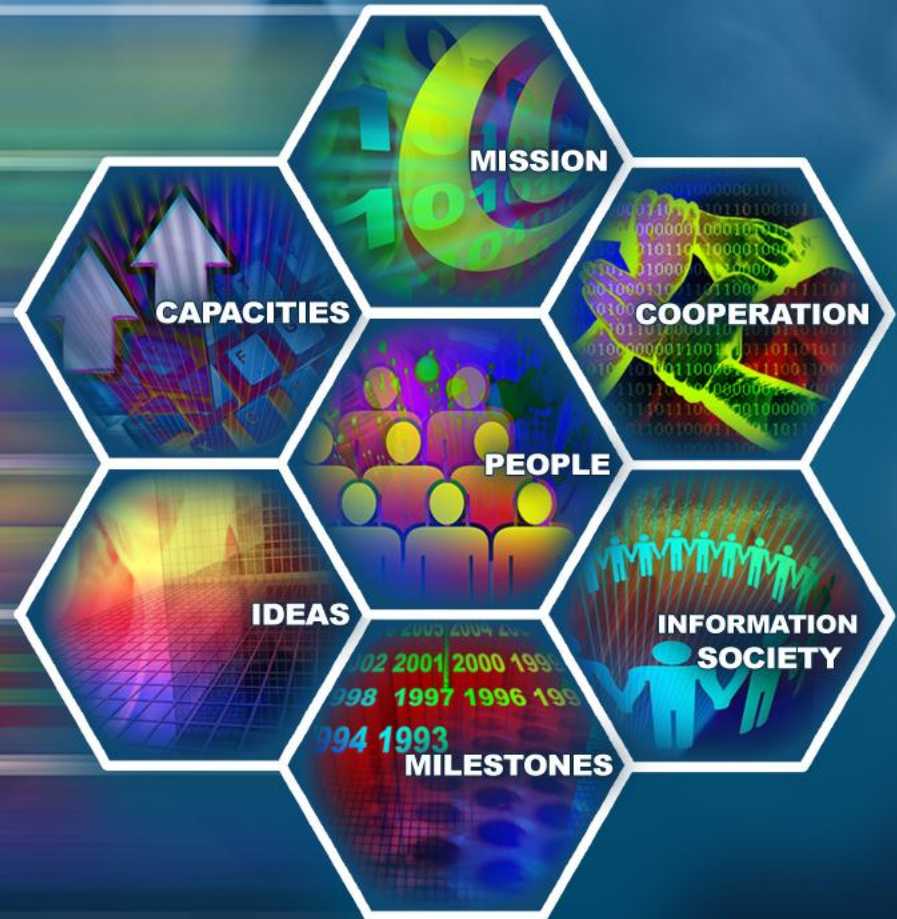


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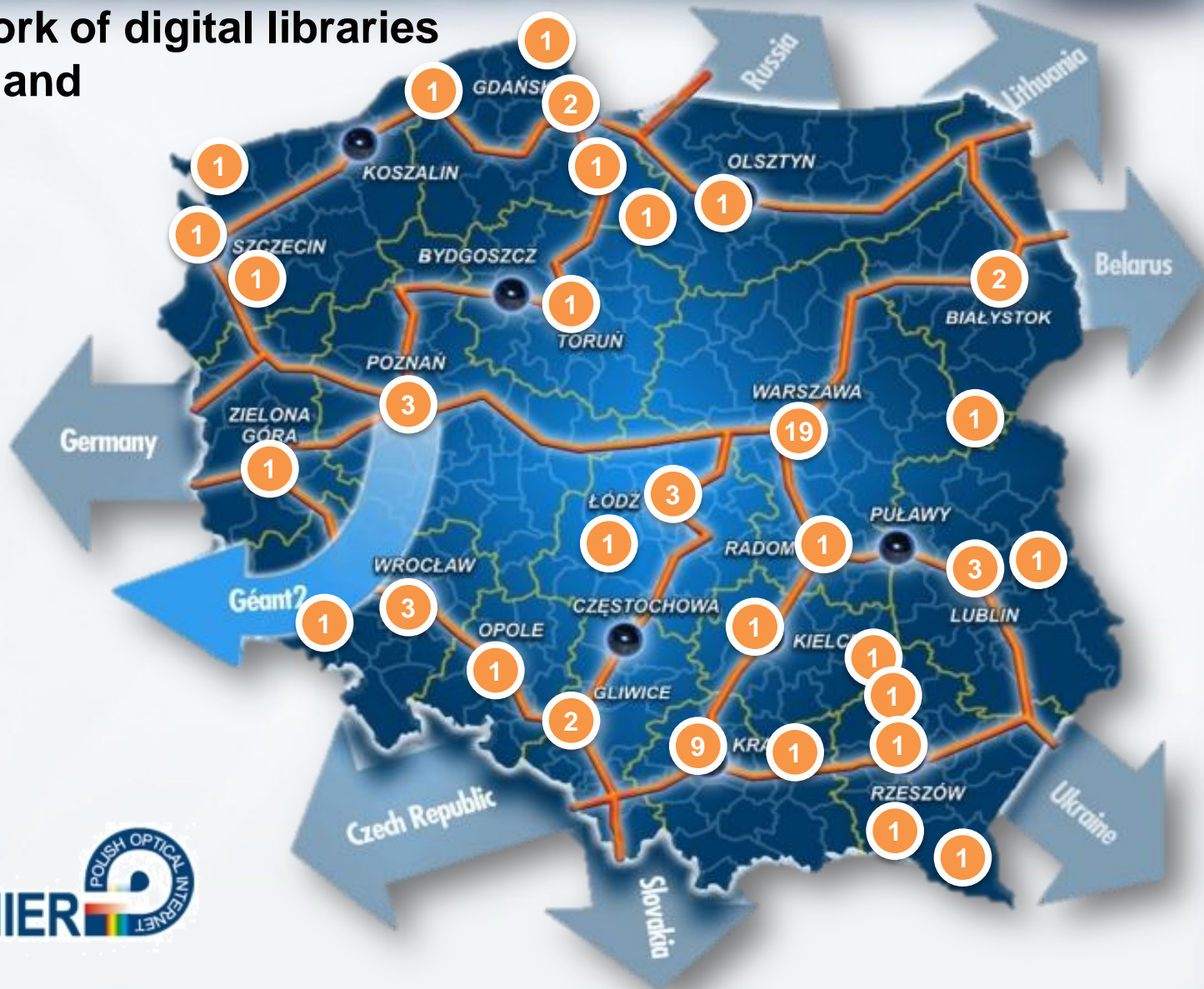


Network of Digital Libraries in Poland as a Model for National and International Cooperation

Cezary Mazurek (mazurek@man.poznan.pl)

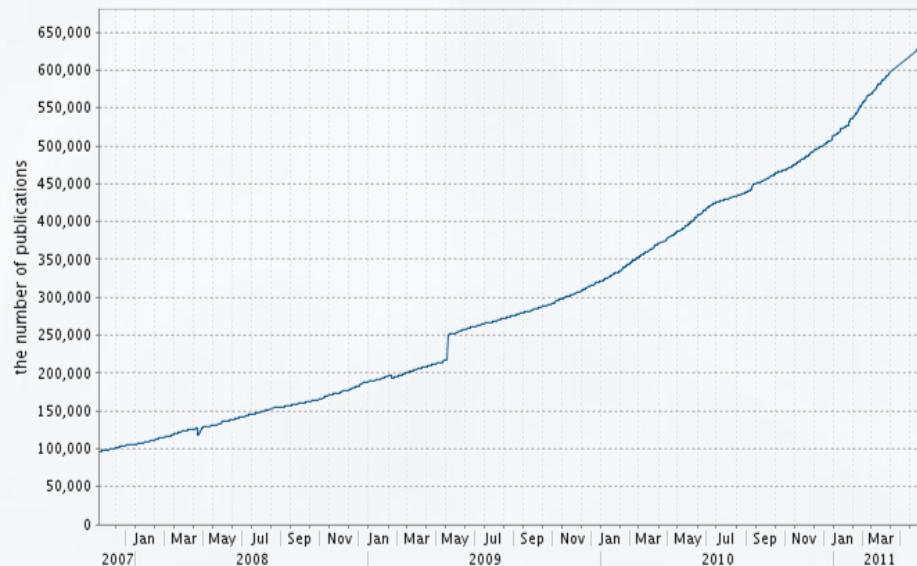
Marcin Werla (mwerla@man.poznan.pl)

Network of digital libraries in Poland



Basic statistics

- Number of objects available on-line $\pm 650\ 000$

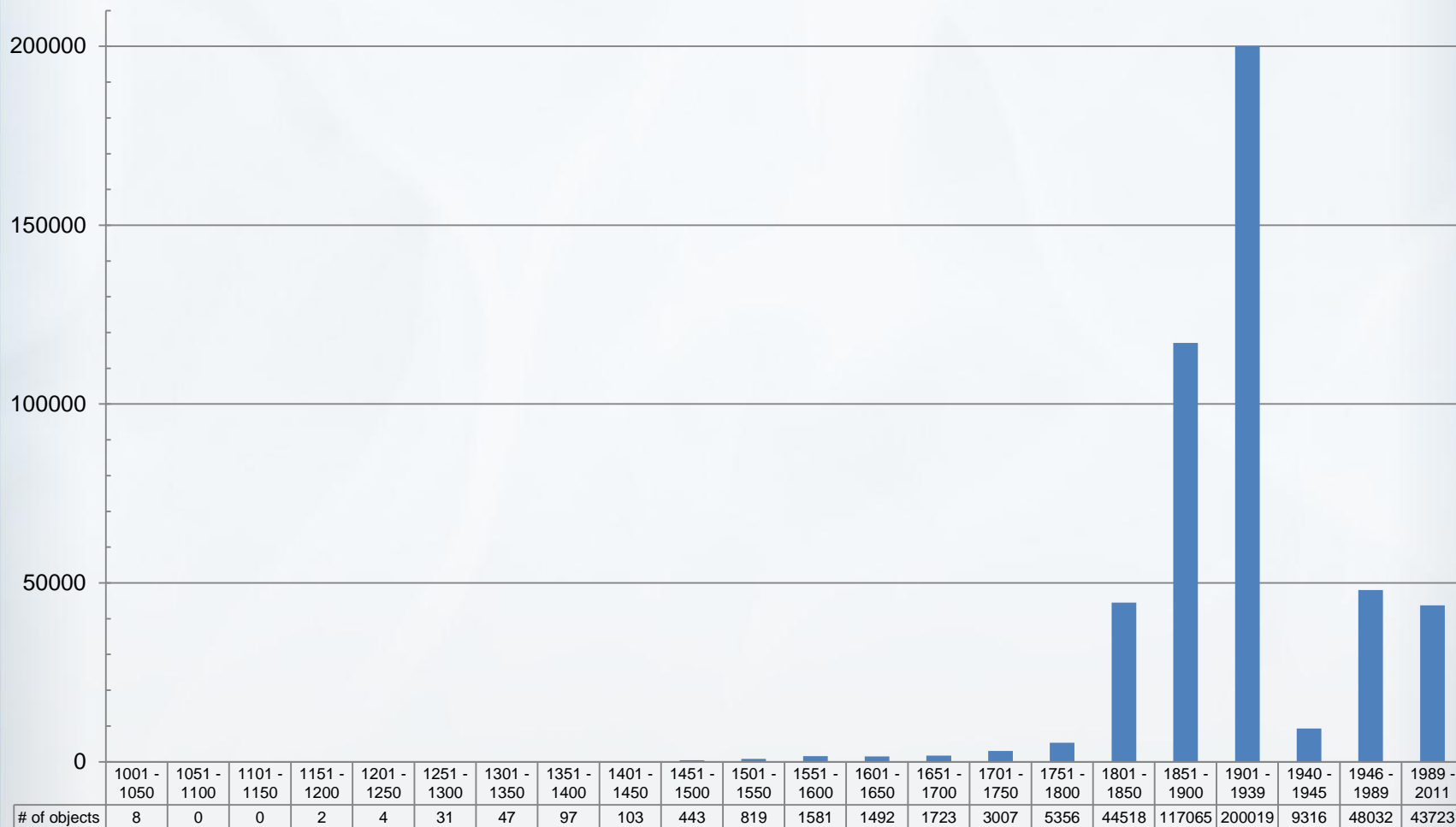


- Number of digital libraries ± 70
 $\pm 90\%$ based on dLibra platform from PSNC (<http://dlibra.psnc.pl/>)
- Number of involved institutions $+ 200$

Basic statistics

- Objects by type
 - Newspapers/magazines 68%
 - Books 4%
 - Other 28%
- Objects by format
 - DjVu 77%
 - HTML 10%
 - PDF 9%
 - Other 4%
- Objects by language
 - Polish 77%
 - German 14%
 - Other 9%

Objects by date of creation/publication



Organizational models of digital libraries in Poland

- Institutional digital libraries (or repositories)
 - One digital library system
 - One institution
 - Responsible for the entire content and technical infrastructure
 - Objects available in the digital library are related to history and present activity of the institution or collections owned by this institution
 - Examples:
 - Warsaw University of Technology Digital Library (<http://bcpw.bg.pw.edu.pl/dlibra>)
 - Technical University of Łódź Digital Library (<http://ebipol.p.lodz.pl/dlibra>)

Organizational models of digital libraries in Poland

- Consortium digital libraries
 - One digital library system
 - One leading institution, many cooperating
 - Technical infrastructure and support provided by the leading institution
 - Different reasons for cooperation
 - Thematic scope
 - Maritime Digital Library (<http://mbc.fundacjamorska.org/dlibra/>)
 - Institution profile
 - Digital Library of the Institutes of the Polish Academy of Sciences (<http://bibliotekacyfrowa.pan.pl/dlibra/>)
 - FIDES Digital Library (<http://digital.fides.org.pl/dlibra/>)
 - Geographical location – regional digital libraries

Organizational models of digital libraries in Poland

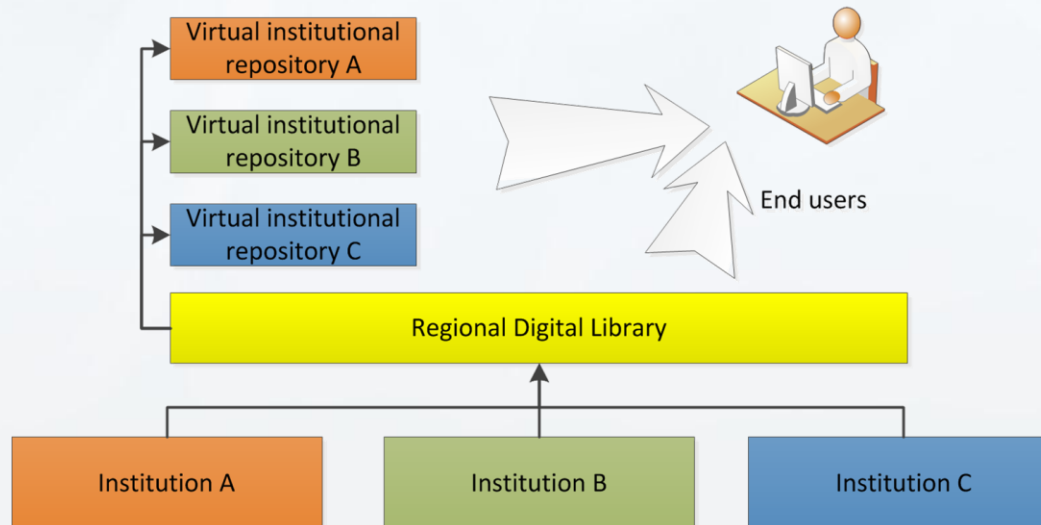
- Regional digital libraries
 - One digital library system
 - One leading institution, many cooperating
 - Technical infrastructure and support often provided by local computing/networking centre
 - Significant amount of objects available in the digital library is related to particular region of Poland
 - Examples:
 - Digital Library of the Wielkopolska (<http://www.wbc.poznan.pl/dlibra/>)
 - Silesian Digital Library (<http://www.sbc.org.pl/dlibra/>)

Organizational models of digital libraries in Poland

- Regional digital libraries – benefits:
 - Single access point to regional collections – the regional digital library website
 - easier to promote and explore than a number of separate institutional repositories
 - Close cooperation between institutions from the region
 - necessary to maintain certain level of quality
 - may lead to new funding possibilities (like common projects)
 - Lowered costs of the technical infrastructure
 - in most cases shared by digital library consortium members
 - based on well established NREN infrastructure
- Institutional digital libraries – benefits:
 - Strong association with the institution
 - promotion for the institution (e.g. portfolio of the institution's scientific potential)
 - easier to convince institution's employees to contribute

Organizational models of digital libraries in Poland

- Coexistence of regional and institutional digital libraries
 - Virtually connected e.g. Poznan University of Technology
 - contributes to the Wielkopolska Digital Library
 - presents contributed resources in the dedicated portal based on the Wielkopolska Digital Library infrastructure



Organizational models of digital libraries in Poland

- Coexistence of regional and institutional digital libraries
 - In parallel e.g. Adam Mickiewicz University
 - contributes to the Wielkopolska Digital Library (mostly cultural heritage and regional materials)
 - maintains its own institutional repository (AMUR) for publishing the outcomes of the present scientific activity
- The virtual repository approach joins benefits of institutional and regional digital libraries
- The parallel approach gives more independence (e.g. in metadata)

PIONIER Network Digital Libraries Federation

- Country-scale metadata aggregator maintained and developed by PSNC since 2007
- Holds a copy of metadata records from all cooperating digital libraries
- Single point of access to the network of Polish digital libraries
- Based on open standards
- Use and participation is free of charge
- Available at <http://fbc.pionier.net.pl/>

[By description](#) [By identifier](#) [Advanced](#)

available publications
 planned publications

[Choose digital libraries](#)

Available publications: **648,336**

Planned publications: 18,081

[See our data sources](#)

Resources of "Digital Library of Polish National Institute of Telecommunications"

From today we provide details about the publications of "Digital Library of Polish National Institute of Telecommunications". »

PIONIER Network Digital Libraries Federation, May 27, 2011

Resources of "Digital Library of Polish Institute of Anthropology"

From today we provide details about the publications of "Digital Library of Polish Institute of Anthropology". »

[Search](#)[Digitisation](#)[Account](#)[Add-ons](#)[About DLF](#)

Search Results



Query:

Publications that matched query: Publication description: "artykuł naukowy"



Results:

Libraries with available publications: 256
 Libraries with planned publications: 0

View:

[Simple](#) | [Expanded](#)

-  [Conflicts and decisions – Pawlak, Zdzisław](#) [*****] [BC](#) [PW](#)

Accuracy: 100%

Keywords: teoria zbiorów przybliżonych , analiza konfliktu , zbiory przybliżone , teoria decyzji , teoria konfliktu

Digital library: [Biblioteka Cyfrowa Politechniki Warszawskiej](#)
-  [Rough controllers – Pawlak, Zdzisław](#) [*****] [BC](#) [PW](#)

Accuracy: 100%

Keywords: logika rozmyta , zbiory przybliżone , kontrolery przybliżone , teoria zbiorów przybliżonych

Digital library: [Biblioteka Cyfrowa Politechniki Warszawskiej](#)
-  [Rough control – Pawlak, Zdzisław](#) [*****] [BC](#) [PW](#)

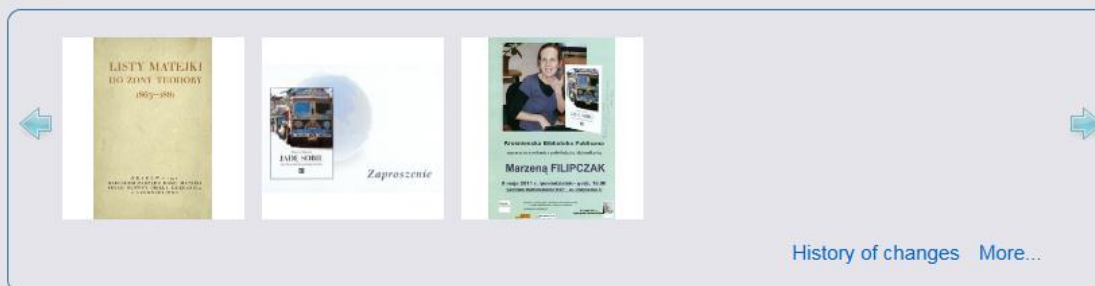
Accuracy: 100%

Keywords: bazy danych , systemy informacyjne , teoria zbiorów przybliżonych , zbiory przybliżone , logika rozmyta

Publications recommended by digital libraries



Recently added



Displayed recently

Publications displayed recently by users of Polish digital libraries.

1. Dziennik Ostrowski R.7 nr87
2. Dziennik Ostrowski R.7 nr73
3. Studenci Polacy na Uniwersytecie Bolońskim w XVI i XVII wieku
4. Schlesische Provinzialblätter, 1788, 7. Bd., 4. St.: April
5. Obligacya duszy raz na zawsze Bogu poświęconey, z publicznym plauzem wypełniona. Kaznodziejskim Stylem na solennym Akcie Obłóczyn Jmci Panny Maryanny Ryłskiey Dnia 15. Czerwca w. Kościele Panien Norbertanek Bolesławskich wyrazona. a na profitującye

Displayed most frequently

Publications displayed most frequently during last 30 days by users of Polish digital libraries.

1. Grünberger Wochenblatt, Stück 29. (17. Juli 1830) [1]
2. Exercitationum Publicarum In Illuſtri Paedagogio Stetinensi, Disputationum nempe, Declamationum, [...] Anno 1662. a festo Michaelis usq[ue]; ad festum Paschatos Anni 1663. adornatarum Designatio, [...] / a M. Daniele Schultzen, [...] , publicata. [1]
3. Exercitationum Publicarum In Illuſtri Paedagogio Stetinensi, Disputationum nempe, Declamationum, [...] , Anno 1663. a festo Paschatos usq[ue]; ad festum Michaelis adornatarum Designatio, [...] , / a M. Daniele Schultzen, [...] , publicata. [1]
4. Studenci Polacy na Uniwersytecie Bolońskim w XVI i XVII wieku [1]

PIONIER Network

Digital Libraries Federation

- Core functionality
 - Basic and advanced search in aggregated metadata
 - Access to digitisation plans of cooperating digital libraries
 - Support for automated coordination of digitisation (via API)
 - Database of Polish digital libraries
 - Statistics

PIONIER DLF as a metadata provider

- The Federation provides OAI-PMH and Open Search interfaces to the aggregated metadata
- These interfaces can be used by external services to:
 - Search in the aggregated data (Open Search)
 - Get a copy of the data or some part of it (OAI-PMH)

PIONIER DLF as a metadata provider

- These features are used to promote Polish cultural and scientific heritage via a number of external services:

Cooperation implemented:

- **Europeana** – “Paintings, music, films and books from Europe's galleries, libraries, archives and museums” (<http://europeana.eu/>)
- **DART-Europe** – “Access to 207 273 full-text research theses from 338 Universities sourced from 19 European countries” (<http://www.dart-europe.eu/>)
- **ViFaOst** – “access to specialized academic information on history, language, literature, politics and culture of East, Central East and South East European countries and regions” (<http://www.vifaost.de/>)

Work in progress:

- **WorldCat** – “WorldCat connects you to the collections and services of more than 10,000 libraries worldwide” (<http://www.worldcat.org/>)
- **KaRo** – “a distributed catalogue of Polish libraries based on the Z39.50 protocol” (<http://karo.umk.pl/>)

Cooperation with Europeana

- Europeana is an initiative co-funded by the European Commission focused on improving the on-line access to Europeana cultural heritage
- The Europeana portal (<http://europeana.eu/>) gives the possibility to search in over 19M of metadata records describing objects from memory institutions from all over Europe
- For each metadata record the portal provides a link to the digital object presentation on the website of the source institution
- Cooperation between the DLF and Europeana was established in 2009 as a part of the EuropeanaLocal project (<http://europeanalocal.eu/>)
- Currently the DLF is the main Europeana data provider from Poland (3% of metadata records)



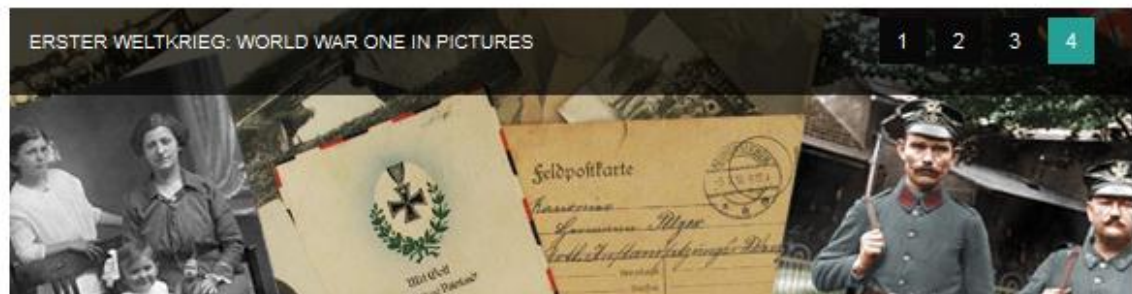
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All

Texts (3,054)

Images (226)

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Sounds (0)



Results 1 - 12 of 3,289

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Industrial Action At The University's Me...

University of Glasgow - Academic Service Planning Unit
Scran



Zeszyty Naukowe. Chemia Spożywcza i Biot...

Kalemba, Danuta. Red.
2009

Biblioteka Cyfrowa Politechniki Łódzkiej (<http://ebipol.p.lodz.pl/>)
Federacja Bibliotek Cyfrowych



Engineering education in Serbia, problem...

Anđus Vojo
2002

Narodna biblioteka Srbije - National Library of Serbia (NLS)
The European Library



Zeszyty Naukowe. Chemia Spożywcza i Biot...

Kalemba, Danuta. Red.
2008

Biblioteka Cyfrowa Politechniki Łódzkiej (<http://ebipol.p.lodz.pl/>)
Federacja Bibliotek Cyfrowych



Unguentarium

Medelhavsmuseet
Swedish Open Cultural Heritage



Basic Mechanical Design - Standard Extra...

Zdziennicki, Zbigniew.
2008

Biblioteka Cyfrowa Politechniki Łódzkiej (<http://ebipol.p.lodz.pl/>)
Federacja Bibliotek Cyfrowych



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Biblioteka Cyfrowa Politechniki Łódzkiej (<http://ebipol.p.lodz.pl/>)
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- [+ Federacja Bibliotek ... \(2,913\)](#)
- [+ Hellenic Aggregator ... \(144\)](#)
- [+ CultureGrid \(79\)](#)
- [+ Scran \(44\)](#)
- [+ BHL Europe \(27\)](#)
- [+ The European Library \(20\)](#)
- [+ Museo Galileo - Isti... \(14\)](#)
- [+ The Great War Archiv... \(12\)](#)

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By type

By language

By date

By rights

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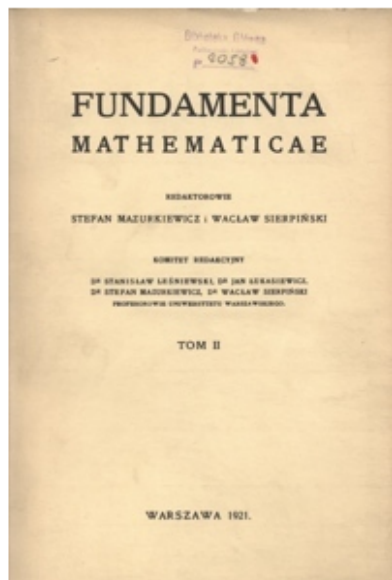
Matches for: technical university > PROVIDER:Federacja Bibliotek Cyfrowych > RIGHTS:http://www.europeana.eu/rights/rr-f/

Item details

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Sur la deuxième définition des ensembles finis donnée par Dedekind

Title: [Sur la deuxième définition des ensembles finis donnée par Dedekind](#)

Date: [1932]

Creator: [Mazurkiewicz, Stefan \(1888-1945\)](#). Ed. by ; [Mazurkiewicz, Stefan \(1888-1945\)](#). Red. ; [Sierpiński, Waclaw \(1882-1969\)](#). Ed. by ; [Sierpiński, Waclaw \(1882-1969\)](#). Red.

Description: Tekst ang., fr., niem., włoski.
Text eng, fre, ger, ita.

Language: pl

Format: image/x.djvu

Source: [Biblioteka Cyfrowa Politechniki Łódzkiej \(http://ebipol.p.lodz.pl/\)](#)

Europeana rights: [Rights Reserved - Free Access](#)

Rights: Biblioteka Politechniki Łódzkiej
Technical University of Lodz Library

Data provider: [Biblioteka Cyfrowa Politechniki Łódzkiej \(http://ebipol.p.lodz.pl/\)](#)

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Restricted Access

Society Business

Title: Society Business

Date: [1985]

Description: ASHRAE Intersociety representatives, 1984-85 Appointments
ASHRAE honors and awards
ASHRAE international associates
ASHRAE officers, directors, committeemen, staff
ASHRAE past meetings
ASHRAE presidents
ASHRAE standards project committees
ASHRAE technical committees and task groups
In memoriam
Index of technical and symposium papers, volume 91, part 2

Language: en

Format: image/x.djvu

Source: Biblioteka Cyfrowa Politechniki Łódzkiej (<http://ebipol.p.lodz.pl/>)

Europeana rights: [Rights Reserved - Restricted Access](#)

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- DART-Europe is a partnership of research libraries and library consortia who are working together to improve global access to European research theses. DART-Europe is endorsed by LIBER and it is the European Working Group of the Networked Digital Library of Theses and Dissertations (NDLTD).
- The DART-Europe portal (<http://www.dart-europe.eu/>) gives the possibility to search in over 200 000 of metadata records describing open access research theses from all over Europe
- For each metadata record the portal provides a link to the digital object presentation on the website of the source institution
- Cooperation between the DLF and DART-Europe was established in 2010
- Currently the DLF is the main DART-Europe data provider from Poland (1% of metadata records, 10% of universities)



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Mark	Title ▲	Author	Year	University	Collection
<input type="checkbox"/>	A declarative model of clinical information systems integration in intensive care	Munir, SK	2004	University of Salford	USIR
<input type="checkbox"/>	A framework for the real-time analysis of musical events	Ibbotson, John Bryan	2009	University of Southampton	ePrints Soton
<input type="checkbox"/>	A Framework for the Strategic Management of Information Technology	Flodström, Raquel	2006	Linköping University, Sweden	DiVA
<input type="checkbox"/>	A geographic knowledge discovery approach to property valuation	Christopoulou, K.	2009	UCL (University College London)	UCL Discovery
<input type="checkbox"/>	A Graphical Approach to Security Risk Analysis	Hogganvik, Ida	2007	University in Oslo	NORA
<input type="checkbox"/>	A knowledge management framework for the telecommunication industry: the KMFTI model	Elashaheb, MS	2005	University of Salford	USIR
<input type="checkbox"/>	A model for a successful implementation of knowledge management in engineering organizations	Obaide, A	2004	University of Salford	USIR
<input type="checkbox"/>	Πολιτικές πρόσβασης και διάθεσης του ψηφιακού περιεχομένου βιβλιοθηκών Access and availability policies of libraries' digital content	Κουλούρης, Αλέξανδρος	2007	Ionian University	HEDI
<input type="checkbox"/>	Actual and Perceived Information Systems Security	Oscarson, Per	2007	Linköping University, Sweden	DiVA
<input type="checkbox"/>	Adaptive Combinations of Classifiers with Application to On-Line Handwritten Character Recognition	Aksela, Matti	2007	Helsinki University of Technology	TKK
<input type="checkbox"/>	Advanced Source Separation Methods with	Ilin, Alexander	2006	Helsinki University	TKK

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Title	A Questionnaire-based Comparative Study of Irish English and Polish Speech Act of Requesting
Author	Belza, Anna
Subject(s)	Etykieta językowa - Irlandia, Etykieta językowa - Polska, Grzeczność językowa, Język angielski, Język angielski - a język polski - socjologia, Język polski, Język polski - a język angielski - socjologia, Językoznawstwo kontrastywne, Komunikacja społeczna - a język, Prośba, Socjolingwistyka, Teoria grzeczności, Teoria komunikacji językowej
Publisher	Katowice
Publisher	Uniwersytet Śląski. Wydział Filologiczny
Contributor(s)	Kakietek, Piotr (1941-). Promotor
Date	2009
Type	rozprawa doktorska
Format	application/pdf
Identifier	http://fbc.pionier.net.pl/id/oai:www.sbc.org.pl:12749
Identifier	oai:www.sbc.org.pl:12749
Source	Dr BG 2944
Language	eng



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Summary

- The last decade in Poland was a period of very intense development of initiatives related to digital libraries
- Initially
 - the development was started by the community of librarians and was not supported/funded by the government
 - the focus was put on cultural heritage materials
- Creation of the Digital Libraries Federation turned scattered digital libraries into on network of cooperating systems and allowed to widely promote Polish heritage
- The reuse of existing regional digital libraries as a base for virtual institutional repositories is a chance to provide technical platform for researchers interested in Open Access publishing
 - Please visit a poster “dLibra platform - Polish technology project for a repository” by Karolina Popławska, Krzysztof Ober, Jakub Bajer from Poznan University of Technology

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Network of Digital Libraries in Poland
as a Model for National and International Cooperation
Cezary Mazurek, Marcin Werla

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