

Access IT Training

Part 9.

Why to evaluate accessibility and usability of digital libraries?

Basic definitions

- Usability – the ease with which people can employ a particular tool or other human-made object in order to achieve a particular goal
- Accessibility - making websites usable by people of all abilities and disabilities - when sites are correctly designed, developed and edited, all users can have equal access to information and functionality

Digital library context

- In the context of a digital library the accessibility and usability should be evaluated in two areas
 - The digital library interface
 - What will be the user goal here?
 - The digital object interface
 - What will be the user goal here?

Digital library context

- The digital object interface depends on
 - The chosen format of digital objects
 - In fact it depends on viewer used to display the object
 - If the viewer is chosen by users, there is a chance that the user will know how to use it
 - If the viewer is chosen/recommended by digital library administrator, the administrator must take care about the usability and accessibility of this software – or at least have this in mind when looking for the software

Digital library context

- The digital library interface depends on
 - The chosen digital library software (1)
 - The configuration of the software (2)
 - The modifications made in the software interface (3)
- If you will choose popular digital library software (1), there is a big chance that it will have quite usable interface
- But when you configure the software (2) and adapt its user interface for your needs (3) you should think about the usability and accessibility

Digital library context

- You can look for public installations of this software to see the interface modifications done by other institutions
 - Such lists are often available on the website of the software
 - <http://dspace.org/whos-using-dspace/Repository-List.html>
 - <http://dlibra.psnc.pl/biblioteki/>
 - Compare at least few of such digital
 - Try to notice what has been changed, think why it was changed by administrators
 - Think what such change means from the end user point of view, is it helpful or not?
 - Try to select “best practices” from other digital libraries and use them in your own digital library interface



Library

▼ Kujawsko-Pomorska Digital Library

- ▶ Cultural heritage
- ▶ Educational materials
- ▶ Regional materials

Index Search

- » Titles index
- » Creators index
- » Keywords index

Information

- » Project description
- » Project Participants
- » Repository Policy
- » To Authors and Publishers
- » Frequently asked questions
- » Contact
- » Technical information

Recommended



Statistics

Number of publications:
33030



Scope: **Everywhere** | |

[Advanced search..](#)

[Proper query syntax](#)

News

Quarter of a million of Polish digital objects in the Europeana!

[18.12.2009]




europæana
pomyśl o kulturze

[More...](#)

From 11th December 2009 resources of tenths of Polish digital libraries participating in the the PIONIER Network Digital Libraries Federation are available in European Digital Library - Europeana. These resources include over 250 000 digital objects made available by the hundreds of cultural and scientific institutions from different regions of Poland. Among them are treasures of Polish national heritage, as well as interesting regional materials or modern scientific and educational publications. The vast majority of publications is available to all Internet users without any restrictions.

Exhibitions

 Uniwersytet Stefana Batorego w Wilnie (1919-1939) - wystawa

 Archiwum Emigracyjnej Atlantydy - 15-lecie Archiwum Emigracji: wystawa

[More...](#)

Recently added

1. Mikołaj Kopernik w nauce i kulturze szwedzkiej
2. Życie umysłowe na Warmii w czasach Mikołaja Kopernika

Frequently read publications

1. Słownik języka polskiego. T. 1, cz. 1: A-F [13623]
2. Księga adresowa miasta Torunia wraz z Podgórzem i powiatem Toruń-Wieś [113081]



Library

▼ Digital Library of Wielkopolska

- ▶ Cultural heritage
 - > Educational materials
 - > Music notes
 - > Regional materials

Kolekcje wydzielone:

- > Albums
- > The Unity of the Brethren Archive
- > Archiwalia miast wielkopolskich
- > Journals and newspapers
- > Bibliografie online
- > Jordaniana (Henryk Jordan's heritage)
- > Directory
- > Rozprawy doktorskie i habilitacyjne
- > Polish Army
- > Powstanie styczniowe w zbiorach Wielkopolskiej Biblioteki Cyfrowej
- > Varia

Index Search

- » Titles index
- » Creators index
- » Keywords index

Information

- » Project Participants
- » Technical information

Digital Library of Wielkopolska

Digital libraries federation

Search

Search: | ▼ |

Advanced search..

[Proper query syntax](#)

Exhibitions

- Kolekcja pamiętników BUAM. Druga wojna światowa (1939-1945)
- 90 lat Uniwersytetu im. Adama Mickiewicza w Poznaniu
- Powszechna Wystawa Krajowa - 80 lat temu
- 90 lat Politechniki Poznańskiej
- Polonia Maior-fontes

[More...](#)

Recently added

1. Muzeum. Czasopismo Towarzystwa Nauczycieli Szkół Wyższych. 1896 R.12 zeszyt 8-9
2. Muzeum. Czasopismo Towarzystwa Nauczycieli Szkół Wyższych. 1896 R.12 zeszyt 7
3. Muzeum. Czasopismo Towarzystwa Nauczycieli Szkół Wyższych. 1896 R.12 zeszyt 6
4. Winieta : pismo Biblioteki Raczyńskich 2004 nr3 (34)
5. Winieta : pismo Biblioteki Raczyńskich nr2 (33)
6. Winieta : pismo Biblioteki Raczyńskich 2004 nr1 (32)
7. Muzeum. Czasopismo Towarzystwa Nauczycieli Szkół Wyższych. 1896 R.12 zeszyt 5

Frequently read publications

1. Ocenianie osiągnięć uczniów przez nauczycieli wychowania fizycznego [314025]
2. Zasady leczenia i rehabilitacji chorób układu oddechowego w specjalistycznym szpitalu w Ludwikowie [129058]
3. Nauczyciel i uczeń wyzwaniem dla przyszłości [126551]
4. Digitalizacja zasobów bibliotecznych [82810]
5. Szermierka w Polsce w latach 1945-1989 [75077]
6. Wybrane psychologiczne aspekty aktywności sportowej. Monografia nr 343. [73938]
7. Theatrum chemicum, praecipuos selectorum auctorum tractatus de chemia et lapidis

Collections

- [Archival resources](#)
- [Cultural heritage](#)
- [Journals & newspapers](#)
- [Regional materials](#)
- [Science & Education](#)
- [Special collection](#)

Index Search

- [Titles index](#)
- [Creators index](#)
- [Keywords index](#)

Project informations

- [Project description](#)
- [Contact](#)

Partnership

WM > [Małopolska Digital Library](#) PL  EN

Mission

Digital Library of Małopolska (MBC) collects and provides cultural heritage of Małopolska (books, periodicals, and documents), national culture heritage resources maintained in libraries of Małopolska and publications issued by institutions and authors of the region. Selection includes educational resources, scientific publications as well as business and administrative information. MBC is common undertaking of local government of Małopolska, Regional Public Library in Krakow, non-governmental organizations, commercial companies, publishers and the authors.

Małopolska Digital Library

Digital libraries federation

Search

Scope: **Everywhere** | [Publication description](#) | [Publication text](#)

Advanced search..

[Proper query syntax](#)

News

MBC in Europeana and WorldCat
[19.12.2009]

[More...](#)

Exhibitions

- [Krakowski "Czas" 1848-1939 - cykl wystaw](#)
- [Reklama przełomu XIX i XX wieku - cykl wystaw](#)
- [Wybór ilustracji z Kalendarza Krakowskiego Józefa Czecha \[1881-1917\]](#)



RSS Channels

[RSS](#) 25 last publications[RSS](#) Planned publications[RSS](#) News
[What is RSS feed?](#)

Statistics

 Number of publications:
25064

Readers on-line: 73

 Total number of users
since Dec 1, 2006:
3215197Mostly viewed
Best rated
[More...](#)

Extras

- Planned publications
- dLibra digital libraries
- Search plugin

Recommended



Worth to know

- Digital libraries in the world



readers on-line: 4

[Main page](#)[Collections](#)[Contact](#)[Register](#)[Login](#)

index search

- [Titles index](#)
- [Creators index](#)
- [Keywords index](#)

library

- [Pomeranian Digital Library](#)
- [Cultural Heritage](#)
- [Regional Materials](#)

information

- [Contact](#)
- [Partners PBC](#)

rss channels

- [25 last publications](#)
- [Planned publications](#)
- [News](#)
- [What is RSS feed?](#)

statistics

Number of publications:
371

Readers on-line: 4

Total number of users

since Dec 4, 2009: 49047

Advanced

Proper query syntax



Scope: [Everywhere](#) Publication text Publication description [advanced search](#)

news

Pomeranian Digital Library is part of the Digital Libraries Federation (DLF) 08.01.2010
From 07th January 2010 Pomeranian Digital Library is part of the Digital Libraries Federation (DLF). [»»](#)

Welcome in Pomeranian Digital Library 05.01.2010
We are pleased to inform you about opening of Pomeranian Digital Library, the biggest of the kind initiative in Northern Poland! [»»](#)

[more...](#)

exhibitions

" Jacobi Theodori Klein [...] Specimen descriptionis petrefactorvm Gedanensivm cum syllabo tabularvm "
" Żywiol morski w twórczości Józefa Conrada "

[more](#) 



Extras

- [Planned publications](#)
- [Best rated publications](#)
- [dLibra digital libraries](#)
- [Search plugin](#)

OAI



recently added

- Avertissement der General-Lotto-Direction in Danzig
- Ustawy kościelne ktore z modlitwami i hystoryą o męce drogiego zbawiciela przydanymi, będą w Krolestwie Pruskim zwyczajnie używane

frequently read publications

- Stary Gdańsk i historia jego sztuki [241]
- Danzig als Hochschulstadt [128]
- Gdańsk a Polska [123]
- Album von Danzig [114]
- Słowianie Zachodni na Bałtyku [89]



Publication description ▾



Search other libraries

[Advanced search](#)

One of the interesting publications ...



► Formal classification

- Books
- Early printed books
- Ephemera

Frequently viewed publications:

1. Psalterz floriański [26179]
2. Cosmographia Claudii Ptolomaei Alexandrini [18989]
3. ABC Nowiny Codzienne. 1939, nr 253 (1 września) [17679]
4. Kazania świętokrzyskie [14516]
5. Polesie (1928) [12603]
6. Kartki z pamiętników [9111]
7. Konrad Wallenrod : powieść historyczna z dziejów litewskich i pruskich [8382]
8. Sonety Adama Mickiewicza [8368]
9. Korona polska przy złotey wolności starożytnemi rycerstwa polskiego y Wielkiego Xięstwa Litewskiego klejnotami ... ozdobiona ... podana przez X. Kaspra Niesieckiego ... T. 3 [8268]
10. ABC Nowiny Codzienne. 1939, nr 254 (2 września) [8102]

► Collections

- "Demons" by Grzegorz Moryciński
- Adam Mickiewicz
- Children's and youth literature

The digital library interface

- How to evaluate the usability of the interface?
 - Directly – asking the users
 - Survey
 - Laboratory tests
 - Eye tracking systems
 - Hallway testing
 - Indirectly – without the users knowledge
 - Data from web browser
 - Data from web server

The digital library interface

- How to evaluate the usability of the interface?
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The digital library interface

- Survey
 - Can be placed in some visible part of the digital library main page
 - Should be as short as possible
 - Should be as simple as possible
 - Should have limited number of open questions
 - It is faster to click an answer than to write your own
 - It is much easier to do the statistical analysis of responses to closed questions
 - Questions must be short, polite and well prepared to not cause any doubts in responders
 - Questions must be prepared together with the way the responses will be analysed

The digital library interface

- Survey
 - It makes sense to prepare a survey, when you will be able to get some significant number of responses
 - If you are just starting with the digital library, you will probably have to wait a little bit before the number of users will be big enough to use the survey

The digital library interface

- Laboratory tests – eye tracking systems
 - Users participating in tests are asked to perform specific tasks on the website
 - They wear special hardware on their head which tracks movement of their eyes
 - The movement of eyes is recorded together with the things that are visible on the screen
 - Analysis of these recordings are the basis for the usability result
 - It should be done by specialised staff and may be expensive



Web

Results 1 - 10 of about 676,000 for "digital camera" cheapest. (0.36 seconds)

www.nextag.com... Find products, tax, shipping, store rating and product reviews.

TechBargain.com... Buy cheap digital camera review cheap... off First \$150

Vivitar Digital Camera - UK... digital cameras, discount digital cameras, digital cameras reviewed

Yakumo Digital Camera - Cheapest digital cameras... panasonic lcd tv, simo sd memory card

Best Deals on Digital Cameras and Accessories... personal retail service combines with discount prices

Cheapest Digital Cameras and the Best Fuji S3... digital camera, including digital cameras accessories

Cheapest colour LCD digital camera... Product Description, Cheapest digital camera

Dealslist - Cheapest computer and best digital cameras deals... Deals List: Canon PowerShot SD110 digital camera

Cheapest digital camera... InfoJour search... Cheapest digital camera: Search results for "Cheapest digital camera"

Sponsored Link

Sponsored Links

Cameras In Stock... Free Shipping

Cheaper Prices at Calibex... Find the best prices and deals. Compare products, shops and reviews

Digital Cameras - Save... Save on Cameras, Accessories & More Find the Lowest Price - Smarter.com

Free Digital Cameras... Canon, Kodak, Nikon cameras free! Free w/ offer signup. 18+ only.

Digital Cameras... Compare Prices on Digital Cameras Read Reviews & Shop at Pricegrabber

Digital Camera Below Cost... Factory Refurbished Cameras - Direct From Kodak, Nikon, HP & More

Digital Camera Reviews... Unbiased pro and owner reviews plus 100s of merchant quotes on cameras!

Casio Digital Camera... Find a Great Deal - Compare Prices & Read Reviews from 100s of Stores

More Sponsored Links

Stroke

Jump to Specialist e-library

e-Library Home	Search	Browse	CPD	Keeping up to date	Shared Space	Help & Tutorials
Stroke Home	Journals	Books	Guidelines	2 - Navigation	Library Services	

Welcome to the Stroke Specialist e-Library

Quick Links

- Ovid Databases
- Cochrane Library
- Clinical Evidence
- RECAL
- Effective Stroke Care
- Chest Heart & Stroke Scotland
- Stroke Association
- Databases - Full list

1 - Quick Links

Browse by subject

- Diagnosis and Assessment
- Evidence Based Practice
- Health Improvement and Specific Groups
- Managed Clinical Networks and Service Organisation
- Problems, Symptoms and Risk Factors
- Stroke Glossaries and Reference Materials
- Stroke Management: Medical and Surgical Interventions
- Stroke Management: Medicines
- Stroke Management: Rehabilitation Therapies
- Types of Stroke

Patient Journey

Patient Journey list

Related Specialist e-Libraries

- Diet and Nutrition
- Holistic Care/Complementary Medicine
- Occupational Therapy
- Paramedics
- Physiotherapy

More search options

Search tips

Stroke resources only All e-Library resources

Announcements

- Delivering Knowledge for Health: Developing a Keystone Strategy Conference, 24th October 2006 [26/09/2006]
- New Specialist e-Library and MKN for Remote and Rural [31/07/2006]
- New look Stroke Specialist e-Library [05/05/2006]
- Announcements Archive

Keeping up to date

Media News

- Do high doses of Lipitor reduce the risk of a second stroke?
- Stroke Symptoms Common Among General Population
- Stroke Symptoms Common But Often Unreported

➔ [Media News Full list](#)

Recent Journal Articles

- Archives of neurology
- Archives of physical medicine and rehabilitation
- Clinical rehabilitation
- European journal of neurology
- Journal of neurology neurosurgery and

Stroke MKN Shared Space

- Stroke

MKN News

- BMJ update - bleeding risk with low dose aspirin

➔ [Full List of news...](#)

Events

- Arrhythmia Awareness Week 12-19 September

➔ [Full List of events...](#)

Communities

- View Communities
- View Knowledge Exchanges
- Request a Community

➔ [Shared Spaces full list](#)

The digital library interface

- Laboratory tests – hallway testing
 - You take few persons “from the hallway” and ask them to perform some tasks in your system
 - You must ensure users that any problems they will have with performing the task are not their problems, but the problems with the system design
 - You observe people when they are navigating through your website
 - You ask them to speak loudly what they are thinking (even if it will be not nice for you ;-)
 - Instead of the expensive hardware you may use the video camera to record the screen and the voice

The digital library interface

- Laboratory tests – hallway testing
 - The persons selected for test should be not the regular users of the tested system
 - The results analysis can be for example done by digital library administrators – it is not complicated, especially if users are speaking loudly about their thoughts
 - According to Jacob Nielsen, a web usability expert, 5 different testers should be able to find 85% of usability problems

The digital library interface

- Some general remarks about interface design which are very useful and will for sure appear in your tests
 - User has a task to perform, he/she will **not** be
 - analysing how your digital library software works
 - reading manual for this software
 - reading... anything (like questions, confirmations, tips etc.)
 - trying to find optimal solution, he/she will just choose the first found probably matching option

The digital library interface

- How to evaluate the usability of the interface?
 - Directly – asking the users
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 - **Indirectly** – without the users knowledge
 - Data from web browser
 - Data from web server

The digital library interface

- Data from web browser
 - Just use Google Analytics
 - Gives very good reports
 - Requires to add Google code to each website of your digital library which has to be monitored by Analytics
 - Because of this it is not suitable for digital objects – you cannot add Google code to your digital objects
 - <http://www.google.com/analytics/>

The digital library interface

- Data from web server
 - Access to everything that we get via web browser is logged in the web server
 - In most cases it is a simple text file in which each line records information about each user request


```

65.55.104.14 - - [09/Dec/2009:00:04:50 +0100] "GET /style/common/js/jquery-ajax-queue-1.0.js HTTP/1.1" 200 2934 "http://fbc.pionier.net.pl/owoc/results?queryType=-6&query=\Wilno\&isExpandable=off&isRemote=on&dirids=1&roleId=subject&server:type=dlibra&action=DistributedSearchAction" "Mozilla/4.0 (compatible; MSIE 6.0; Windows NT 5.1; SV1; .NET CLR 1.1.4325; .NET CLR 2.0.40607; .NET CLR 3.0.04506.648)"
65.55.106.133 - - [09/Dec/2009:00:04:50 +0100] "GET /owoc/results?isExpandable=off&dirids=1&queryType=-6&query=%22Mitteilungen+des+Copernicus-Vereins+FKC398Cr+Wiensenschaft+und+Kunst+zu+Thorn,+H,+45,+%22&roleId=title&isRemote=on&server:type=dlibra&action=DistributedSearchAction HTTP/1.1" 200 42432 "-" "msnbot/2.0b (-http://search.msn.com/msnbot.htm)"
66.249.65.148 - - [09/Dec/2009:00:04:50 +0100] "GET /owoc/results?queryType=-6&query=%22Bojownicy%20kap%C5%82ani%20za%20spraw%C4%9C%20Ko%C5%98cio%C5%82a%20i%20ojczyzny%20w%20latach%201861-1915%20-%20materja%C5%82y%20z%20urz%C4%99cowych%20K%C5%9Bwiadectw%20w%C5%82adz%20rosyjskich,%20archiw%C3%93w%20konsystorskich,%20zakannych%20i%20prowincjonalnych,%20Cz.%20i%20Dawne%20K%C3%9B3l,%20Polskie.%20T.%20i%20C%20diecezje;%20lubelska%20i%20podlaska%20i%20p%C5%82ocka.%22&isExpandable=off&isRemote=on&dirids=1&roleId=title&hostsId=n43&server:type=dlibra&action=DistributedSearchAction HTTP/1.1" 200 23994 "-" "Mozilla/5.0 (compatible; Googlebot/2.1; +http://www.google.com/bot.html)"
65.55.104.14 - - [09/Dec/2009:00:04:51 +0100] "GET /style/common/js/jquery-bgiframe-2.1.1.js HTTP/1.1" 200 1402 "http://fbc.pionier.net.pl/owoc/results?queryType=-6&query=\Wilno\&isExpandable=off&isRemote=on&dirids=1&roleId=subject&server:type=dlibra&action=DistributedSearchAction" "Mozilla/4.0 (compatible; MSIE 6.0; Windows NT 5.1; SV1; .NET CLR 1.1.4325; .NET CLR 2.0.40607; .NET CLR 3.0.04506.648)"
66.249.65.148 - - [09/Dec/2009:00:04:51 +0100] "GET /owoc/results?queryType=-6&query=%22Kresy%20Wschodnie%20Rzeczypospolitej%20-%20przemys%C5%82%20drzewny%22&isExpandable=off&isRemote=on&dirids=1&roleId=subject&hostsId=n8&server:type=dlibra&action=DistributedSearchAction HTTP/1.1" 200 22725 "-" "Mozilla/5.0 (compatible; Googlebot/2.1; +http://www.google.com/bot.html)"
79.185.61.204 - - [09/Dec/2009:00:04:51 +0100] "GET /owoc/rstats?url=http%3A%2F%2Fdelibra.bg.polsl.pl%2Fdelibra%2Fdocmetadata%2Fid%3Doai%3Adelibra.bg.polsl.pl%3A299%26amp%3Bfrcn%3DFBC HTTP/1.1" 302 - "http://fbc.pionier.net.pl/owoc/results?queryType=-2&query=Ruby&isExpandable=off&isRemote=on&dirids=1&hostsId=n25&server:type=dlibra&action=DistributedSearchAction" "Mozilla/5.0 (Windows; U; Windows NT 5.1; pl; rv:1.9.1.5) Gecko/20091102 Firefox/3.5.5"
79.185.61.204 - - [09/Dec/2009:00:04:51 +0100] "GET /owoc/results?queryType=-2&query=ruby&isExpandable=off&isRemote=on&dirids=1&hostsId=n25&server:type=dlibra&action=DistributedSearchAction HTTP/1.1" 200 24724 "http://fbc.pionier.net.pl/owoc/results?queryType=-2&query=ruby&isExpandable=off&isRemote=on&dirids=1&hostsId=n25&server:type=dlibra&action=DistributedSearchAction" "Mozilla/5.0 (Windows; U; Windows NT 5.1; pl; rv:1.9.1.5) Gecko/20091102 Firefox/3.5.5"
65.55.104.14 - - [09/Dec/2009:00:04:52 +0100] "GET /style/common/js/jquery-tooltip/jquery-tooltip-1.3.css HTTP/1.1" 200 179 "http://fbc.pionier.net.pl/owoc/results?queryType=-6&query=\Wilno\&isExpandable=off&isRemote=on&dirids=1&roleId=subject&server:type=dlibra&action=DistributedSearchAction" "Mozilla/4.0 (compatible; MSIE 6.0; Windows NT 5.1; SV1; .NET CLR 1.1.4325; .NET CLR 2.0.40607; .NET CLR 3.0.04506.648)"
65.55.104.14 - - [09/Dec/2009:00:04:52 +0100] "GET /style/common/js/jquery-tooltip/jquery-tooltip-1.3.js HTTP/1.1" 200 8951 "http://fbc.pionier.net.pl/owoc/results?queryType=-6&query=\Wilno\&isExpandable=off&isRemote=on&dirids=1&roleId=subject&server:type=dlibra&action=DistributedSearchAction" "Mozilla/4.0 (compatible; MSIE 6.0; Windows NT 5.1; SV1; .NET CLR 1.1.4325; .NET CLR 2.0.40607; .NET CLR 3.0.04506.648)"
66.249.65.148 - - [09/Dec/2009:00:04:52 +0100] "GET /owoc/results?isExpandable=off&dirids=1&queryType=-6&query=%22171500+II%22&roleId=source&isRemote=on&server:type=dlibra&action=DistributedSearchAction HTTP/1.1" 200 39189 "-" "Mozilla/5.0 (compatible; Googlebot/2.1; +http://www.google.com/bot.html)"
66.249.65.148 - - [09/Dec/2009:00:04:53 +0100] "GET /owoc/results?queryType=-6&query=%22iln%C5%9B%C4%87%20skar%C3%B3w:%20241%20-%20sygn.%20w%C5%81%2012596%22&isExpandable=off&isRemote=on&dirids=1&roleId=description&hostsId=n44&server:type=dlibra&action=DistributedSearchAction HTTP/1.1" 200 22651 "-" "Mozilla/5.0 (compatible; Googlebot/2.1; +http://www.google.com/bot.html)"
66.249.65.148 - - [09/Dec/2009:00:04:53 +0100] "GET /owoc/results?queryType=-6&query=%22iln%C5%9B%C4%87%20skar%C3%B3w:%20241%20-%20sygn.%20w%C5%81%2012596%22&isExpandable=off&isRemote=on&dirids=1&roleId=description&hostsId=n18&server:type=dlibra&action=DistributedSearchAction HTTP/1.1" 200 22670 "-" "Mozilla/5.0 (compatible; Googlebot/2.1; +http://www.google.com/bot.html)"

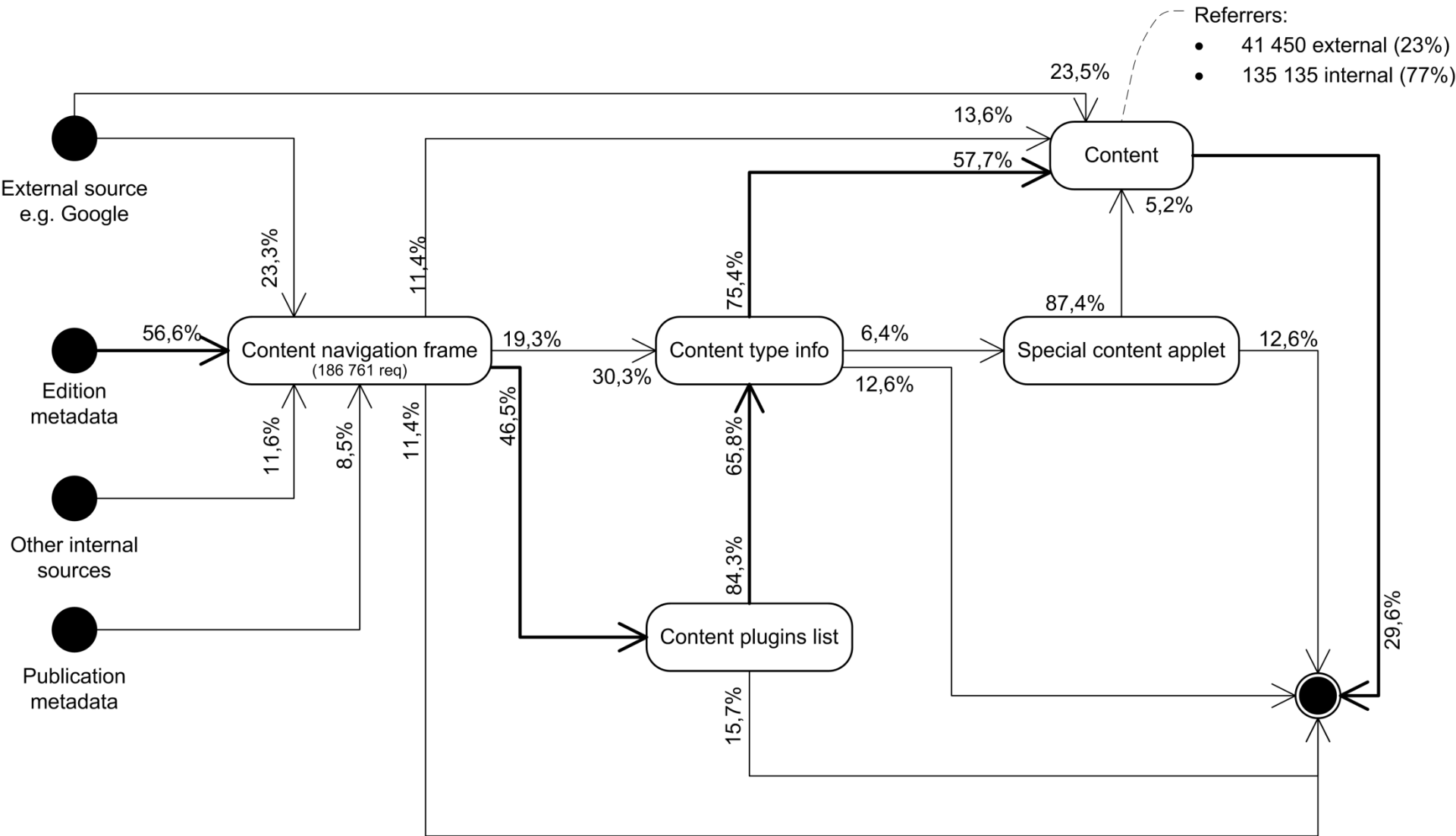
```

The digital library interface

- Data from web server
 - Such data can be analysed with free software like AWStats or Webalizer
 - E.g.: reports from Polish National Digital Library:
<http://www.polona.pl/raport/>

The digital library interface

- Web server access logs have very simple structure
- With some basic programming knowledge you can try to do some special analysis on your own
- We have analysed how users are reacting on the helpful (?) information messages displayed in dLibra-based digital libraries before the digital object is displayed
 - HTML publication:
<http://fbc.pionier.net.pl/id/oai:www.wbc.poznan.pl:8711>
 - DjVu publication:
<http://fbc.pionier.net.pl/id/oai:www.wbc.poznan.pl:128898>



Digital library interface

- It seems that the messages which were created in order to help users to see the object content are causing them to leave the digital library pages
 - In this case only 30% of users who reached the digital library page with the object content also reached the digital object itself...
 - We are currently working to improve this
 - We have to remove these messages (which is very easy) and provide some other type of support for DjVu publications

Usability vs learnability

- Not every part of interface can be designed for a user who is not willing to read or analyse the features
 - Advanced tasks may require advanced interfaces
 - The user who has to perform such advanced task will probably spent more time to analyse the possibilities
 - In such case the interface should be designed to be easy to learn
 - You can read more about this for example here:
 - <http://www.tnl.net/blog/2003/06/17/usability-101-learnability/>

Accessibility

- There are several crucial elements for accessibility
 - The availability of textual information
 - To be able to present the information in the way which is the best for particular user
 - With large font
 - With increased contrast
 - With text-to-speech tools
 - ...
 - The good internal structuring of the website (in HTML code)
 - To enable navigation with other tools than mouse

Accessibility

- Source of information
 - Web Accessibility Initiative
 - <http://www.w3.org/WAI/>
- Basic tools to check the accessibility
 - Web Accessibility Toolbar - IE
 - <http://www.visionaustralia.org.au/info.aspx?page=614>
 - WAVE Toolbar – Firefox
 - <http://wave.webaim.org/toolbar>

Q&A
