

„What strikes the eye“

Evaluating a digital library with Eye Tracking and Usability Tests – Case study e-rara.ch

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René Schneider

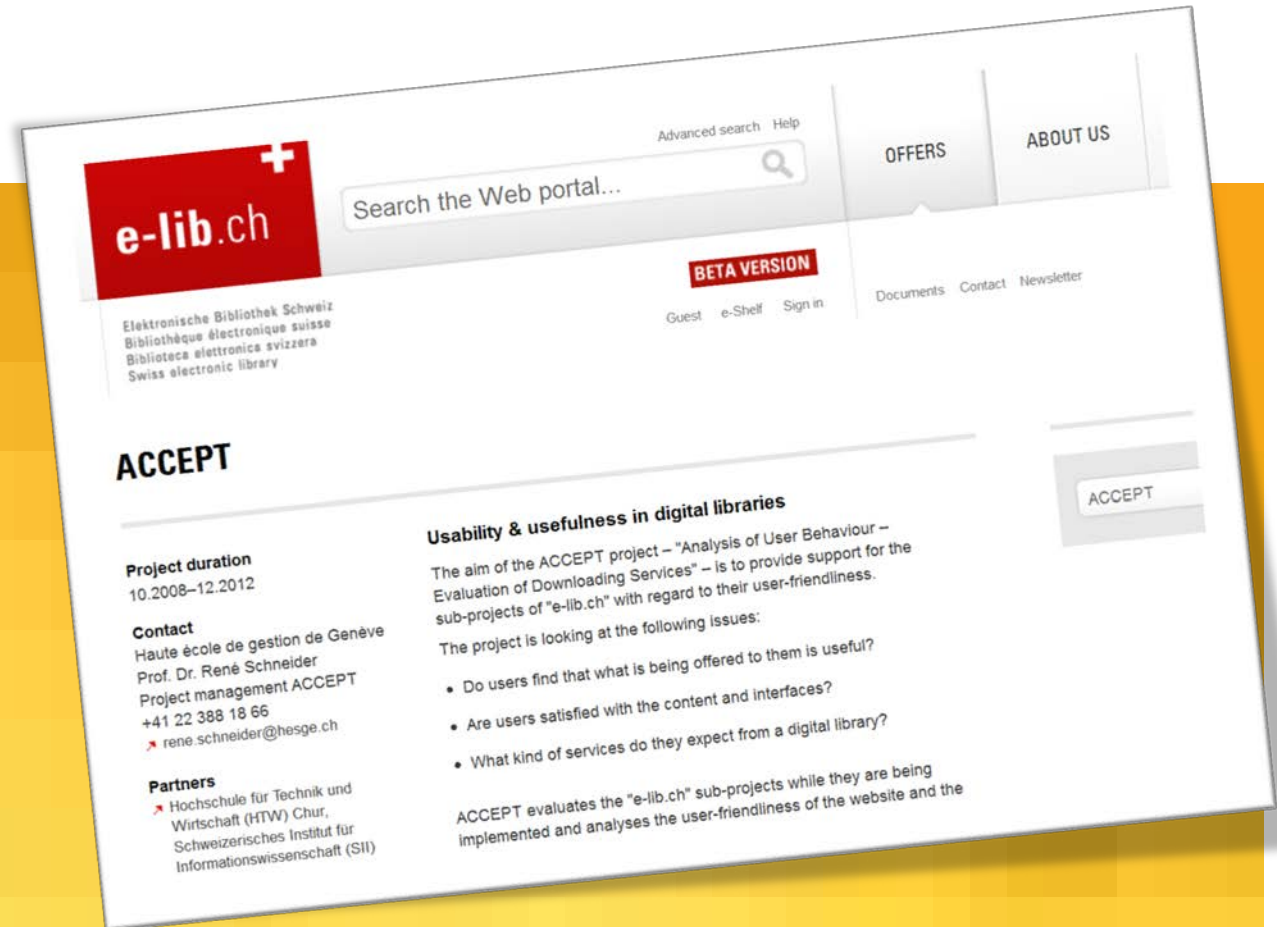
Geneva School of Business
Administration

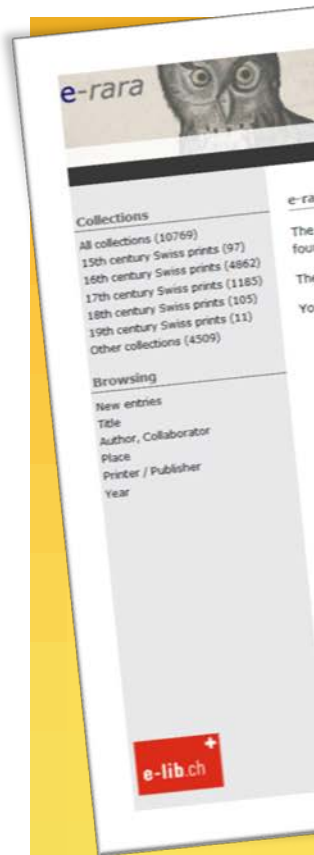
Digitization Day

14th september 2012

ITU, Geneva

e-lib.ch/ACCEPT





e-rara

Collections

- All collections (10769)
- 15th century Swiss prints (97)
- 16th century Swiss prints (4862)
- 17th century Swiss prints (1185)
- 18th century Swiss prints (105)
- 19th century Swiss prints (11)
- Other collections (4509)

Browsing

New entries

Title

Author, Collaborator

Place

Printer / Publisher

Year

e-lib.ch

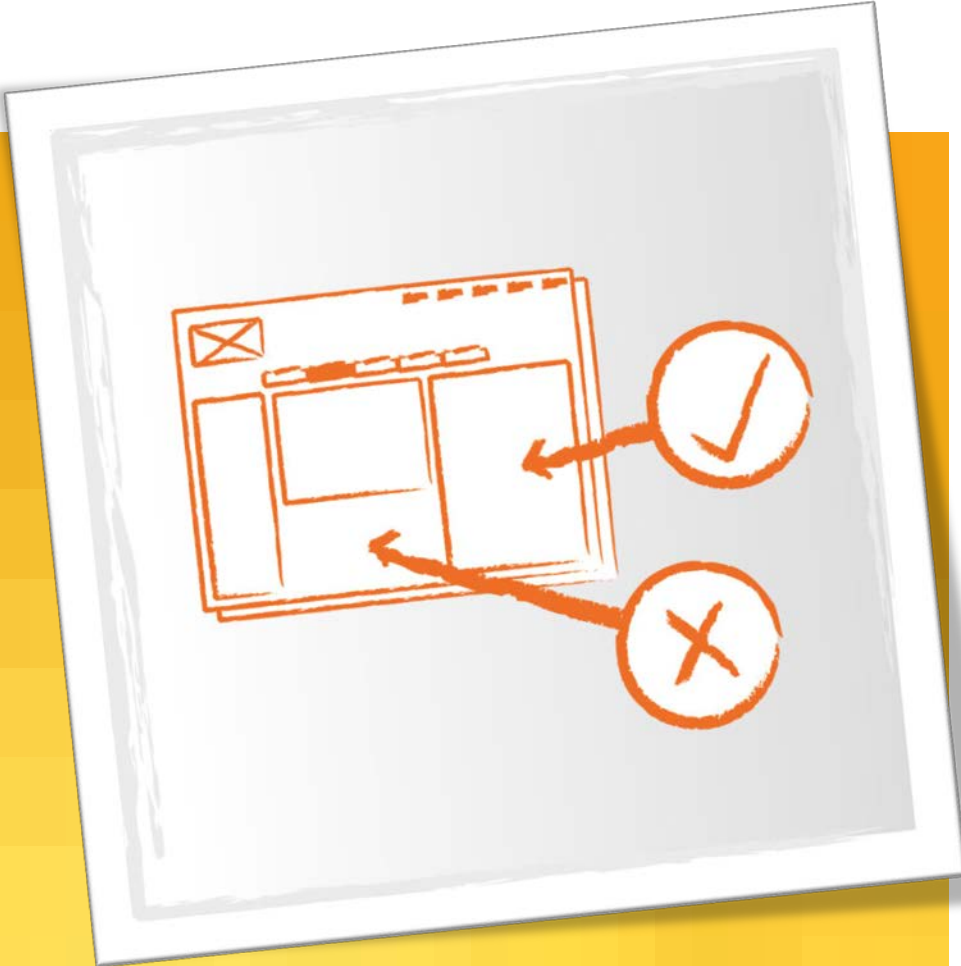
Hanc plena gracia Salutare mente Serena



Gaude ma-
ria virgo. cūc
tas hereses so
la interemisti.
que gabrielis
archāgeli dic
tis credidisti.
Bum virgo
deū et hōmē
gēuisti et p̄st
partū virgo
inuiolata per
mansisti. Gra
brielem arch-
angelū credi-
mus diuinit̄
te esse affatum

Uterq̄ tuū de spiritu sancto credim⁹ impregnatū
Erubescat iudeus infelix qui dicit cristū de ioseph
semine esse natū Gloria virtus ⁊ gratia tibi sit altis
sime vox sanctorū anime nobis gratuitu mūere sub
limari Glorioso tu deus in sanctis largire tuis famu
lia h̄mnia post laborē. Anuolata imp̄ra et cetera

Usability



Usability Tests



Eye Tracking



Heat maps

Eye Tracking



Gaze plots

Pros and cons

Pro: Eye catcher

Con: Experts: « No new results »

Pro: Good visualization for non-professionals

Con: Higher danger for methodological mistakes

Pro: Specificity of digitalized material

Con: Sensible and expensive infrastructure

Case study e-rara.ch

The screenshot displays the e-rara.ch website. On the left is a navigation menu with sections for 'Collections' (listing various historical print collections) and 'Browsing' (listing search filters like 'New entries', 'Title', etc.). The main content area features a search bar and a 'finden' button. Below the search bar, there are sections for 'LISTEN' (with filters like 'Neuzugänge', 'Autor / Beteiligte', etc.), 'WOLKEN' (with filters like 'Gattungsbegriffe', 'Druckorte', etc.), and a detailed description of the 'DIGITALE BIBLIOTHEK DEUTSCHER DRUCKE DES 18. JAHRHUNDERTS' (VD 18) project, including its scope and funding by the DFG.

Results– F-Pattern

VD18

LISTEN

Neuzugänge

Titel

Autor / Beteiligte

Druckort

Drucker / Verleger

Jahr

WOLKEN

Gattungsbegriffe

Druckorte

Autoren / Beteiligte

Drucker / Verleger

Jahre

DFG



DIGITALE BIBLIOTHEK DEUTSCHER DRUCKE DES 18. JAHRHUNDERTS

Aktuell sind **45153 Titel** aus **5 Bibliotheken** verfügbar. Sie können einen **RSS-Feed** abonnieren, um über Neuzugänge informiert zu werden.

Erweiterte Suche

finden

VD 18

Das Verz

Vorgänge

Projekts.

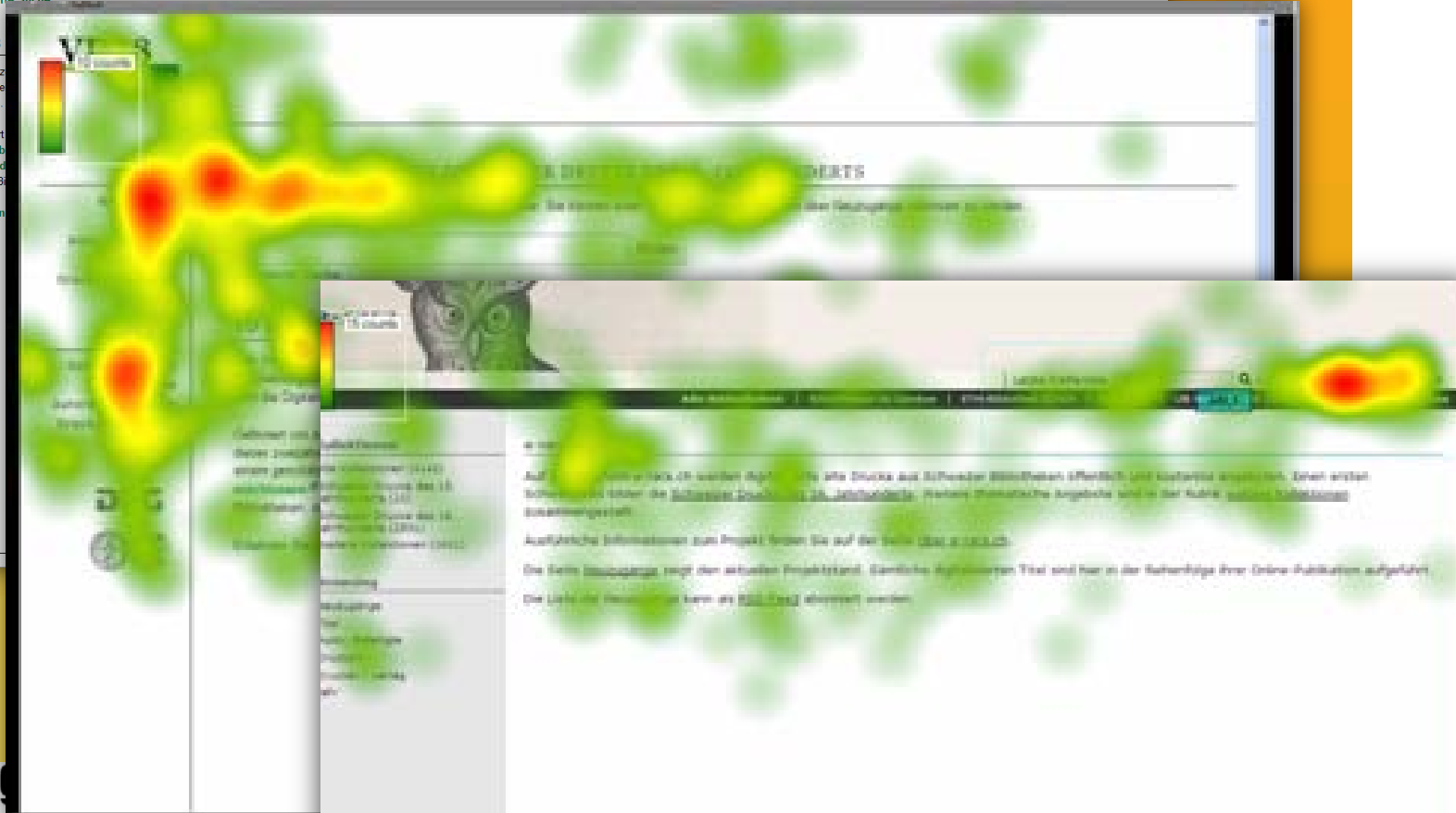
Gefördert

Landesb

standard

andere B

Erfahren



h e c

Results – Main search

Libraries | Bibliothèque de Genève | ETH-Bibliothek Zürich | UB Basel | UB Bern | ZB Zürich | **Other libraries**

Search | Last results | Advanced search | Home | D | F | E | I

public, free of charge. The present focus is on [16th century Swiss prints](#). Material on other subjects can be available on the page [About e-rara.ch](#).

be shown in the order of their onli

Search Result

Search for: vorwort deutsch astronomie

Your query yielded no results.

Results – Position

The screenshot shows the e-rara website interface. At the top, there is a search bar and navigation links. The main content area displays a search result for 'Bibel oder heilige Geschicht' by Christoph Frobenius, 1544. Below the title, a network diagram shows a central node connected to various other nodes, representing different books or editions. The nodes are represented by purple circles, and the connections are purple lines. The books listed include 'Traktat', 'Büchlein Abrahams zu dem Löwen', 'Christliche Proschauer zum Löwen', and various books of Moses, Samuel, Kings, Chronicles, Ezra, Nehemiah, Tobit, Judith, Esther, and the Spruch Salomons. To the right of the list, there are columns of numbers and dates, likely indicating the year of publication or edition. A sidebar on the right contains a list of PDF icons, each with a download icon, suggesting that the content is available in PDF format.

Results – Denominations

Structural Metadata

abcd|

«Structural-Metadadata... Gee...»

«Structural-Metadadata... This must be something for professionals...»

Results – Facets

Autoren / Beteiligte

[Kein Filter]

Aesopus

Froben, Johannes

Hermogenes

Maximus Planudes

Autoren / Beteiligte

Zwingli, Huldrych 27

Bullinger, Heinrich 12

Aesopus 9

Aristoteles 9

8

Zeiträume

1521-1530 55

1541-1550 26

1531-1540 24

1571-1580 23

1581-1590 22

Results – Font size

e-rara

Last results Search | Advanced search | Home | D | F | E | I

All libraries | Bibliothèque de Genève | ETH-Bibliothek Zürich | UB Basel | UB Bern | ZB Zürich | Other libraries

Collections

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Browsing

- New entries
- Title
- Author, Collaborator
- Place
- Printer / Publisher
- Year

e-rara.ch

The e-rara.ch platform makes digitized rare books from Swiss libraries available to the public, free of charge. The present focus is on [16th century Swiss prints](#). Material on other subjects can be found under the heading [Further collections](#). Detailed information about the project is available on the page [About e-rara.ch](#).

The page [New entries](#) shows the present status of the project. Here all digitized titles are shown in the order of their online publication.

You can subscribe to the list of new acquisitions as a [RSS Feed](#).

Conclusion – Results



Schriftgrösse/Position des Links „Detailsuche“ sind nicht zufriedenstellend

e-rara

Letzte Trefferliste Suche Detailsuche Home D | F | E

Alle Bibliotheken | Bibliothèque de Genève | ETH-Bibliothek, Zürich | UB Basel | UB Bern | UB Zürich | Weitere Bibliotheken

Kollektionen

e-rara.ch

Auf der Plattform e-rara.ch werden digitalisierte alte Drucke aus Schweizer Bibliotheken öffentlich und kostenlos angeboten. bilden die Schweizer Drucke des 16. Jahrhunderts. Weitere thematische Angebote sind in der Rubrik weitere Kollektionen zu...

Ausführliche Informationen zum Projekt finden Sie auf der Detailsuche

Die Seite Neuzugänge zeigt den aktuellen Projektstand. Sie...

Die Liste der Neuzugänge kann als RSS-Feed abonniert werden.

Neuzugänge

Titel

Autor, Beteiligte

Druckort

Drucker / Verlag

Jahr

e-lib.ch

Usability-Problem

Der Link „Detailsuche“ ist etwas klein und sehr weit rechts positioniert ist, was das Auffinden für den Benutzer erschwert.

„Aehm... ich sehe jetzt, dass es hier eine Detailsuche gibt.“

Empfehlung:

Der Link sollte etwas mehr links positioniert und den Bedürfnissen entsprechend vergrössert werden.

General findings

1. Usability & digital libraries: further sensibilisation and integration on the top management level is necessary
2. Never use Eye tracking as only method, but combined, respectively as a supplement to “classical” usability evaluation methods
3. High investment relating to preparation, conduction and analysis
4. Nevertheless added value
 - a) Visualization, locating and communication of weak points
 - b) Special context of digital libraries

Questions

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