

# Relevance redefined

Lukas Koster

Library of the University of Amsterdam

@lukask

IGeLU 2014 - Oxford

# Main discovery tool feedback issues

## Content

Not enough

Too many

Wrong types

No 'full text'

## Relevance

Not #1

Too many

Known item!?

WTF?



# Usual responses to feedback issues

Change the front end!

Tabs - Facets - Filters - **Font**  
Positions

More/less content!

More of the same **same same**

Improve relevance ranking algorithms!

Very **shh**ophisticated - Very **shh**ecret

# Before



UNIVERSITY OF AMSTERDAM

CataloguePlus

[Databases](#) [Find e-journals](#) [Catalogue](#) [Help](#) [Mobile version](#) [Ask a question](#)

[Guest](#) [★ E-shelf](#) [My Account](#) [Sign in](#)

[Advanced Search](#)

Search the resources of UvA Library.

Next to this search engine there are others.

Click [Databases](#) to locate these.

The most important are:

#### General

- > [Academic search premier](#)
- > [Google Scholar](#)
- > [LexisNexis Academic](#)
- > [PiCarta](#)

#### Humanities

- > [ATLA religion database](#)
- > [Bibliografie van de Nederlandse taal- en literatuurwetenschap \(BNTL\)](#)
- > [Historical abstracts](#)
- > [Linguistics and language behavior abstracts](#)
- > [Philosopher's index](#)

#### Sciences


- > [INSPEC](#)

#### Social sciences

- > [Business source premier](#)
- > [PsycINFO](#)
- > [Rechtsorde](#)
- > [Sociological abstracts](#)
- > [Westlaw](#)

[Conditions of use of e-journals and databases](#)

# After

 UNIVERSITY OF AMSTERDAM

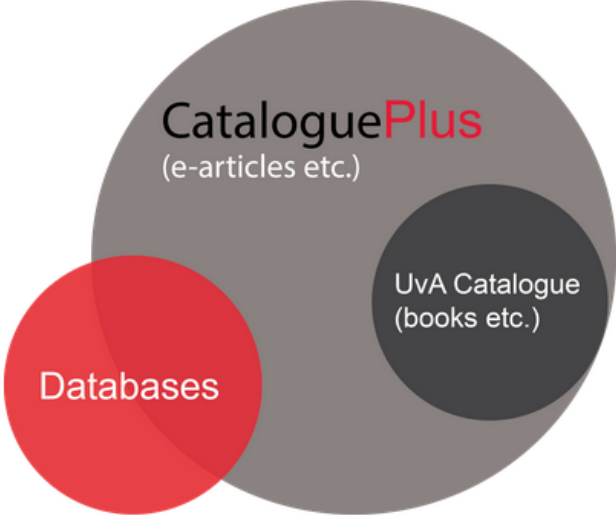
Databases E-journals Catalogue Help Mobile version Ask a question

Guest ☆ e-Shelf My Account Sign in

ALL Books UvA e-articles UvA

Search Advanced Search

Examples:  
"word order" AND english  
comedy OR humo?r



**CataloguePlus**  
(e-articles etc.)

UvA Catalogue  
(books etc.)

Databases

**What am I searching?**  
CataloguePlus contains all the records from the [UvA catalogue](#) and most articles from e-journals that the UvA subscribes to. Besides CataloguePlus, the Library offers these subject-specific [databases](#) for in-depth searching.

[Conditions of use of e-journals and databases](#)

# Same old

Same old UX tricks

Same old Content types

Same old View on relevance

# iNTERLiNKED

S  
R  
E  
A  
R  
C  
H  
C  
N  
A  
V  
E  
L  
A  
N  
K  
C  
O  
N  
T  
E  
X  
T  
E  
C  
N  
T  
E  
N  
T

**Relevance**

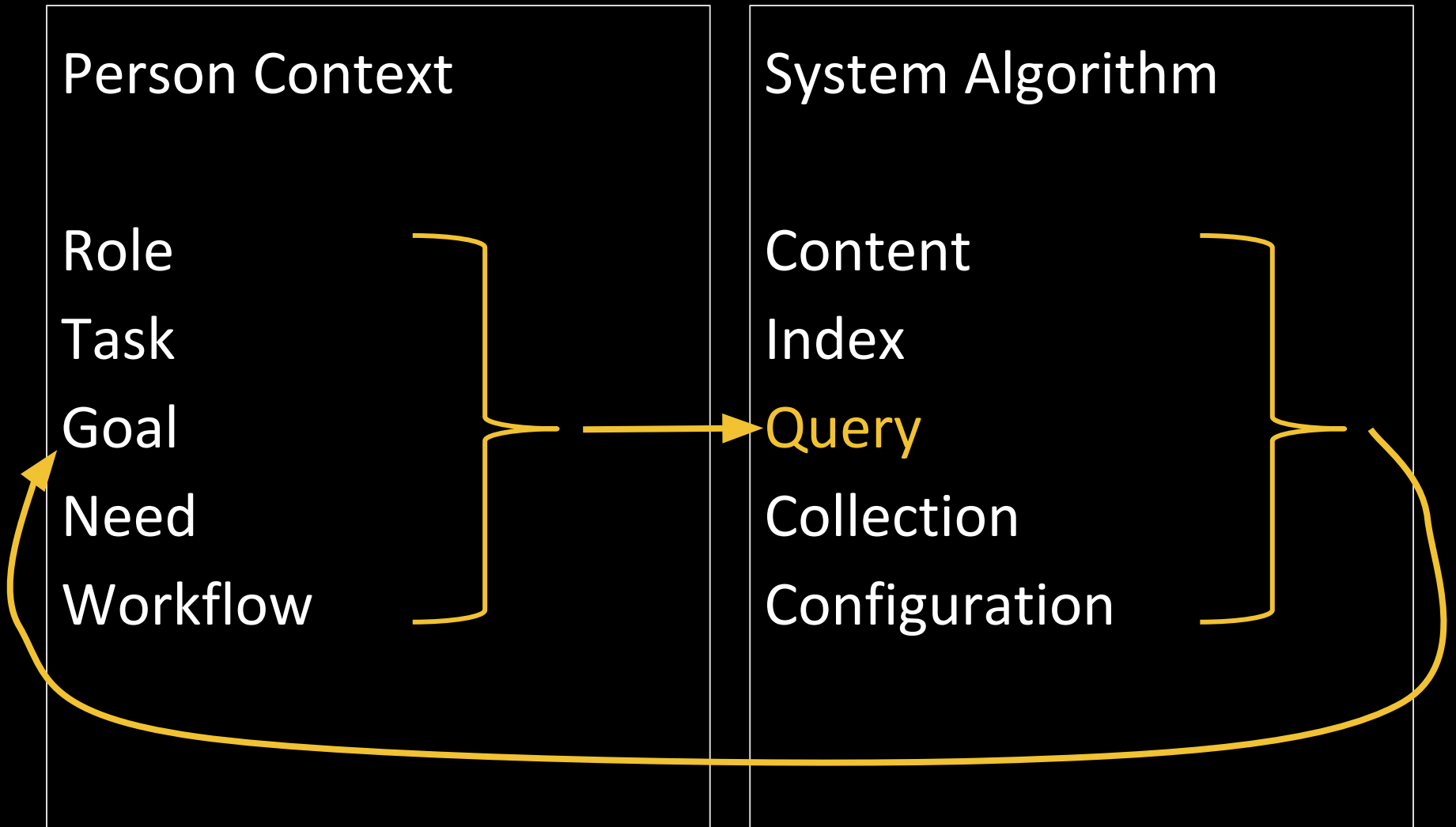
Context

+

Content



# Relevance=Relative:Subjective:Contextual



# Relevance

## Recall

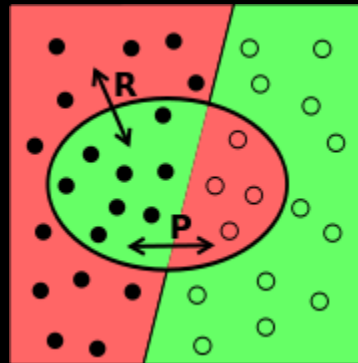
The fraction of relevant instances that are retrieved

$$\frac{\text{retrieved relevant instances}}{\text{total relevant instances}}$$

## Precision

The fraction of retrieved instances that are relevant

$$\frac{\text{retrieved relevant instances}}{\text{total retrieved instances}}$$



# Relevance

Total: 1000 items

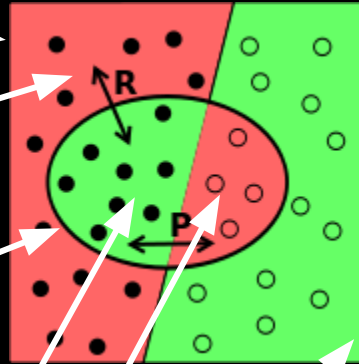
Relevant: 300

Retrieved: 180

Retrieved relevant: 120

Retrieved irrelevant: 60

Unrelevant: 700



Recall:

$$120/300=0.4$$

Precision:

$$120/180=0.66$$

# Relevance ranking is NOT Relevance

**Relevance** = Finding appropriate items

*Recall, Precision*

**Relevance ranking** = Determining most relevant within retrieved set

*Term Frequency, Inverse Document Frequency, Proximity, Value Score*

**Retrieved set** may not contain any relevant items at all, but can still be ordered according to relevance.

# Primo Central search and ranking enhancement - July 8, 2014

*As part of our continuing efforts to enhance search and ranking performance in Primo, we changed the way Primo finds matches for keyword searches within **indexed full text**. As part of this approach Primo **lowers the ranking of, or excludes**, items of low relevance from the result set that were previously included. You may find as part of this change that the number of results for some searches is **reduced**, although result lists have become **more meaningful**.*

# The System Perspective

Objectivizing a subjective experience

# Recall issues

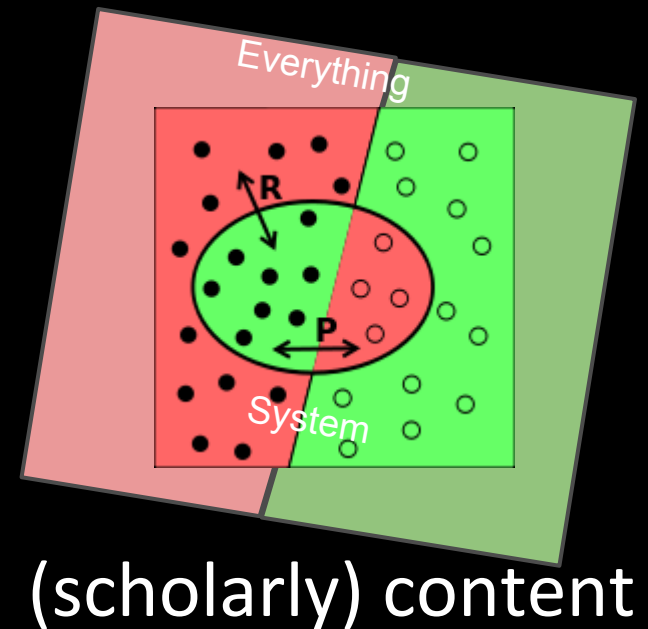
Discovery tool index limits recall scope in advance

Relevance is calculated on:

available  
selected  
indexed

By vendors

By libraries



# Recall issues

NOT indexed:

Not accessible

Not subscribed

Not enabled

*Unusual* resource types

Connections

Not digital



# Recall issues

Indexed, but NOT found:

By author name (string based)

By subject (string based, languages)

Related but unlinked items (chapter in book)

# Author

## Charlotte Brontë



1854 photograph

**Born** 21 April 1816  
[Thornton, West Riding of Yorkshire, England](#)

**Died** 31 March 1855 (aged 38)  
[Haworth, West Riding of Yorkshire, England](#)

**Pen name** Lord Charles Albert  
Florian Wellesley  
Currer Bell

**Occupation** Novelist, poet

**Nationality** British

**Genres** Fiction, poetry

**Notable work(s)** *Jane Eyre*  
*Villette*

**Spouse(s)** [Arthur Bell Nicholls](#) (1854–1855 (her death))

**Signature**

Author ▾ contains ▾ currer bell

Any ▾ contains ▾

Any ▾ contains ▾

Resource Type: All items ▾

Language: Any language ▾

Start Date: Day ▾ Month ▾ Year ▾

End Date: Day ▾ Month ▾ Year ▾

Search

Simple Search

Did you mean: [career bell?](#)

### Expand results

Expand results beyond direct availability

### Refine my results

Author  
[Bell, Currer](#) (13)  
[Bell, Ellis](#) (1)  
[Mensing, C.M.](#) (1)  
[Lesbazeilles Souvestre, Eugène](#) (1)  
[Bell, Acton Currer](#) (1)

[More options ▾](#)

Language  
[Dutch](#) (6)  
[English](#) (6)  
[French](#) (2)

[More options ▾](#)

Topic  
[18XX](#) (2)  
[1800-1900](#) (1)

[More options ▾](#)

Results 1 - 10 of 14

Sorted by: [Relevance ▾](#)

[+ Shirley : a tale / by Currer Bell](#)  
[Bell, Currer](#)  
Leipzig : Tauchnitz Copyright ed 1849  
[Available at UBA-Boekendepot \(IWO\)](#)  
[Locations](#) [Details](#)

[+ La maîtresse d'anglais, ou Le pensionnat de Bruxelles / Currer Bell](#)  
[Bell, Currer](#)  
Bruxelles 1855  
[Available at UBA-Boekendepot \(IWO\)](#)  
[Locations](#) [Details](#)

[+ Edward Crimsworth, het leven van een onderwijzer : een verhaal / Currer Bell](#)  
[Bell, Currer](#)  
Groningen 1859  
[Available at UBA-Boekendepot \(IWO\)](#)  
[Locations](#) [Details](#)

[+ Jane Eyre : an autobiography / ed. by Currer Bell](#)  
[Bell, Currer](#)  
Ilkley : Ebor 1991  
[Available at UBA-Boekendepot \(IWO\)](#)  
[Locations](#) [Details](#)

# Subject

UNIVERSITY OF AMSTERDAM CataloguePlus

Databases Find e-journals Catalogue Help Mobile version Ask a question

Guest ☆ E-shelf My Account Sign in

Subject ▼ contains ▼ philosophy

Any ▼ contains ▼

Any ▼ contains ▼

Resource Type: All items

Language: Any language

Start Date: Day ▼ Month ▼ Year

End Date: Day ▼ Month ▼ Year

reset all fields

Search Simple Search

Expand results

Results 1 - 1 of 105,513

Sorted by: Date-newest ▼ 1 2 3 4 5 →

Expand results beyond direct availability

**The Ethics of Armed Conflict : A Cosmopolitan Just War Theory**  
Lango, John W.  
Edinburgh : Edinburgh University Press. Jan-14.

View all versions

UNIVERSITY OF AMSTERDAM CataloguePlus

Databases Find e-journals Catalogue Help Mobile version Ask a question

Guest ☆ E-shelf My Account Sign in

Subject ▼ contains ▼ filosofie

Any ▼ contains ▼

Any ▼ contains ▼

Resource Type: All items

Language: Any language

Start Date: Day ▼ Month ▼ Year

End Date: Day ▼ Month ▼ Year

reset all fields

Search Simple Search

Expand results

Results 1 - 1 of 40,873

Sorted by: Date-newest ▼ 1 2 3 4 5 →

Expand results beyond direct availability

**Refine my results**

Availability  
Available in the Library (38,753)  
Full Text Online (660)  
Peer-reviewed Journals (86)  
More options ▼

Resource type

**Morální aspekt zisku u Aristotela v Etice Nikomachově a Politice**  
Vojvodík, Lukáš Grygar, Filip  
Univerzita Pardubice 2014 University of Pardubice  
● Full text available  
Details

**Frühe Schriften II / Georg Wilhelm Friedrich Hegel ; bearbeitet von Friedhelm Nicolin, Ingo Rill und Peter Kriegel ; hrsg.: von Walter Jaeschke**  
Hegel, Georg Wilhelm Friedrich, 1770-1831 ; Nicolin, Friedhelm, 1926- ; Jaeschke, Walter, 1945-  
Hamburg : Felix Meiner cop.2014  
● Available at GW-collecties UB  
Locations Details

# Chapter



Book  
chapter

## + Amsterdam

Rodenhuis, W.

Oxford Encyclopedia of Theatre and Performance, 2 vols., pp.55-56

Oxford University Press, Oxford 2003 UvA DARE

● **Might be available via UvA-Linker or in print**

### Details

**Title:** Amsterdam

**Author:** Rodenhuis, W.

**Is Part Of:** Oxford Encyclopedia of Theatre and Performance, 2 vols., pp.55-56

**Publisher:** Oxford University Press, Oxford

**Creation Date:** 2003

**Identifier:** ISBN:0198601743


**Source:** UvA DARE

Send to



### Links

> [This item in Google Books](#)

>  UvA-LINKER

> [Publication in NARCIS](#)

> [Author/research information in NARCIS](#)

# Precision issues

Discovery tool limits precision by ambiguous indexing

# Precision issues

Indexed and/or erroneously found

By author name (string based)

By subject (string based, languages)

Query too broad

# Author

Author  contains

Any  contains

Any  contains

Resource Type:

Language:

Start Date:

End Date:

---

**Simple Search**

---

**Expand results**

Expand results beyond direct availability

**Refine my results**

**Availability**

- Available in the Library (1,724)
- Full Text Online (19,919)
- Peer-reviewed Journals (15,714)

[More options](#)


**Resource type**


- Articles (16,914)
- Books (1,916)
- Conference proceedings (1,310)
- Text resources (1,232)
- Reviews (979)


[More options](#)


---

Results 1 - 10 of 22,105 Sorted by: Relevance  1 2 3 4 5

 **+ Boekveilingcatalogi J. de Vries / J. de Vries**  
J. de Vries, Amsterdam  
Amsterdam : J. de Vries 1822-1854  
 Check holdings  
[Details](#)

 **+ De hydra / red. J. de Vries**  
Amsterdam : N. W. van Niferick 1847-1850  
 Available at BC-magazijnen  
[Locations](#) [Details](#)

 **+ Veilingcatalogus, boeken van A. Brondgeest ... [et al.], 1 juli 1833 / J. de Vries**  
J. de Vries, Amsterdam ; A. Brondgeest, Amsterdam  
Amsterdam : J. de Vries 1833  
 Available at UBA-Boekendepot (IWO)  
[Locations](#) [Details](#)

 **+ Proeve van drukletteren / J. de Vries & Zoon**  
J. de Vries & Zn, Amsterdam  
[Amsterdam] : [De Vries & Zoon] [1848, 1 Jan.]  
 Available at BC-magazijnen  
[Locations](#) [Details](#)

# Subject

Subject

Any

Any

Resource Type:

Language:

Start Date:

End Date:

**Expand results**

Expand results beyond direct availability

**Refine my results**

Availability

[Available in the Library](#) (34)

[Full Text Online](#) (1,909)

[Peer-reviewed Journals](#) (1,642)

[More options](#)

Results 1 - 10 of 1,951 Sorted by: Relevance

 **The International Symposium on the Ancient Town of Hoi An. A Report**  
Kleinen, J.G.G.M.  
Itinerario (Leiden) (ISSN:0165-1153); Vol.14  
1990 UvA DARE  
● **Might be available via UvA-Linker or in print**  
[Details](#)

 **Jeremias van Vliet en een Hollandse picknick in Siam, AD 1632**  
Kleinen, J.G.G.M. Brummelhuis, ten, H.  
De Gids, Vol.145 (1), pp.54-63  
1982 UvA DARE  
● **Might be available via UvA-Linker or in print**  
[Details](#)

 **Amsterdam en de wereld van 1632**  
Kleinen, J.G.G.M. Goudsblom, J. Swaan, de, A. Boogaart, van den, E.  
De Gids, Vol.145 (1)  
1982 UvA DARE  
● **Might be available via UvA-Linker or in print**  
[Details](#)

 **A Dutch picnic in Ayutthaya, 1636**  
Kleinen, J.G.G.M. Brummelhuis, ten, H.  
Amsterdam Asia Studies, Vol.? (52)  
1984 UvA DARE  
● **Might be available via UvA-Linker or in print**  
[Details](#)

**Refine Search**

Include	Exclude	Topic
<input type="checkbox"/>	<input type="checkbox"/>	Voc (1,101)
<input type="checkbox"/>	<input type="checkbox"/>	<b>Volatile Organic Compounds (380)</b>
<input type="checkbox"/>	<input type="checkbox"/>	<b>Pollution Control (349)</b>
<input type="checkbox"/>	<input type="checkbox"/>	Toluene (126)
<input type="checkbox"/>	<input type="checkbox"/>	Air Pollution (116)
<input type="checkbox"/>	<input type="checkbox"/>	Adsorption (90)
<input type="checkbox"/>	<input type="checkbox"/>	Volatile Organic Compounds (VOC) (86)
<input type="checkbox"/>	<input type="checkbox"/>	Ozone (64)
<input type="checkbox"/>	<input type="checkbox"/>	Catalytic Oxidation (52)
<input type="checkbox"/>	<input type="checkbox"/>	Pah (49)
<input type="checkbox"/>	<input type="checkbox"/>	Air Quality (47)
<input type="checkbox"/>	<input type="checkbox"/>	Oxidation-reduction Reactions (46)
<input type="checkbox"/>	<input type="checkbox"/>	Formaldehyde (43)
<input type="checkbox"/>	<input type="checkbox"/>	Emission (32)
<input type="checkbox"/>	<input type="checkbox"/>	Biofiltration (28)
<input type="checkbox"/>	<input type="checkbox"/>	Universities And Colleges (26)
<input type="checkbox"/>	<input type="checkbox"/>	Ethanol (17)
<input type="checkbox"/>	<input type="checkbox"/>	<b>Vereenigde Oost-Indische Compagnie (12)</b>
<input type="checkbox"/>	<input type="checkbox"/>	Nederland (7)
<input type="checkbox"/>	<input type="checkbox"/>	Indonesië (5)
<input type="checkbox"/>	<input type="checkbox"/>	Ceylon (5)



# Too broad

relevance  [Advanced Search](#)

**Expand results**  
 Expand results beyond direct availability

**Refine my results**

**Availability**  
Available in the Library (415)  
Full Text Online (228,764)  
Peer-reviewed Journals (177,640)  
[More options](#) ▾


**Resource type**  
Articles (201,730)  
Reviews (19,070)  
Conference proceedings (14,157)  
Text resources (9,023)  
Dissertations (5,049)  
[More options](#) ▾


**Catalogue results**  
HvA (19)  
UvA (879)  
[More options](#) ▾


**Location**  
UBA-Boekendepot (IWO) (256)  
GW-collecties UB (37)  
Medische Bibliotheek (34)  
Bunghuis (29)  
P.C.Hoofthuis (24)  
[More options](#) ▾



**Author**  
Royal Society of Chemistry (Great Britain) (81)  
Organisation for Economic Co-operation and Development (48)  
Rijke, de, M. (27)  
Rijke (27)  
Kamps, J. (22)


Results 1 - 10 of 229,878 Sorted by: Relevance ▾


 **Relevance : communication and cognition / Dan Sperber and Deirdre Wilson**  
Sperber, Dan ; Wilson, Deirdre, linguistics  
Oxford : Blackwell 1986  
● Available at Bunghuis and other locations  
[Locations](#) [Details](#)

 **Relevance**  
Pangaro, Louis ; MCGaghie, William C.  
Academic Medicine, 2001, Vol.76(9), pp.927-929 [Peer Reviewed Journal]  
Wolters Kluwer - Ovid - Lippincott Williams & Wilkins (via CrossRef)  
● Full text available  
[Details](#)

 **Relevance**  
Shwayder, Keith  
Journal of Accounting Research, 1968, Vol.6(1), pp.86-97 [Peer Reviewed Journal]  
JSTOR  
● Full text available  
[Details](#)

 **Relevance**  
Greenstone, Jamesl.  
Journal of Police Crisis Negotiations, 2007, Vol.7(2), p.1-3 [Peer Reviewed Journal]  
Taylor & Francis Group Routledge, Taylor & Francis Group   
● Full text available  
[Details](#)

 **Relevance**  
Jupiter, Jesse B  
Techniques in Hand & Upper Extremity Surgery, 2004, Vol.8(2), pp.57 [Peer Reviewed Journal]  
Wolters Kluwer - Ovid - Lippincott Williams & Wilkins (via CrossRef)  
● Full text available  
[Details](#)

 **Relevance**  
Centre For Educational Research And Innovation,  
SourceOECD Education & Skills, 2009, 4, 148-185(38)  
2009 OECD (IngentaConnect)  
● Full text available

# Recall and precision issues

Content of index

Quality of search index units

Lack of connections (isolated string items)

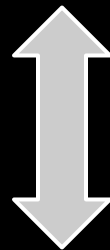
Algorithms for retrieving and ranking not transparent

# Relevance - New perspective

Instead of

**SYSTEM**

Collections, Indexed content, Query



Context-Workflow-Goals- Environment of

**USER**

**Is this technically possible, feasible?**

Extend **Content**?

Know **Context**?

# Relevance Redefined and Primo

*What is already possible?*

## Content

Additional content types

Additional indexed fields

Third nodes (*not merged*)

External links (*not searchable, link out only*)

## Context

Discipline (*for ranking, not searching*)

Algorithm improvements (*for current items*)

# Relevance Redefined and Primo

*What is missing?*

**Content**

Internal links

Integrated Primo Central/Local

*External links*

*External indexes*

Normalised/multilingual authors/subjects

**Context**

Context

# Relevance Redefined and Primo

*Options*

**Content**

Universal record format: RDF!

Identifier based authorities: VIAF! MACS? (DBpedia?)

Global metadata index!

Transparent algorithms!

**Context**

What would Google do?

# A word about Google vs Primo

## Google knows

IP addresses

Account

Searches

Clicks

Location

## Primo makes an educated guess

Discipline?

Query type



## Search

Select Field:

Personal Names

Select Index:

All VIAF

Search Terms:

currer bell

Search

4 headings found for *currer bell*

	Heading	Type	Sample Title
1	<a href="#">Brontë, Charlotte, 1816-1855</a>  <a href="#">Brontë, Charlotte</a>  <a href="#">1816-1855. ברונטה, שרלוט.</a>  <a href="#">Бронте, Шарлотта, 1816-1855</a>  <a href="#">Brontë, Charlotte (English novelist, 1816-1855)</a>  <a href="#">1855-1816, ووتی، شارلوت،</a> 	Personal	Jane Eyre. Jane Eyre. Jane Eyre. Jane Eyre. Jane Eyre. Jane Eyre.
2	<a href="#">Brontë, Emily, 1818-1848</a>  <a href="#">Brontë, Emily (Emily Jane), 1818-1848</a>  <a href="#">1848-1818, بروتنی، امیلی،</a>  <a href="#">Brontë, Emily Jane</a>  <a href="#">Brontë, Emily Jane, 1818-1848</a>  <a href="#">Brontë, Emily</a>  <a href="#">بروتی، امیلی</a>  <a href="#">1818-1848, ברונטה, אמیلی,</a>  <a href="#">Бронте, Эмилия, 1818-1848</a>  <a href="#">Brontë, Emily (British novelist and artist, 1818-1848)</a> 	Personal	Wuthering heights Wuthering heights Wuthering heights Wuthering heights Wuthering heights Wuthering heights Wuthering heights Wuthering heights
3	<a href="#">Bell, Currer</a> 	Personal	Jane Eyre : an autobiography
4	<a href="#">Bell, Acton Currer, [pseud.]</a> 	Personal	Broeder en zuster, of De zucht n

# MACS

Multilingual ACcess to Subjects

Since 1997

Manual linking between strings

New future?

The European Library...

**GO**[Advanced search](#)[HOME](#)[DISCOVER](#)[ACCESS OUR DATA](#)[Home](#) → [Related concepts for "voc"](#)[Everything](#)[Newspapers](#)[Collections](#)[Full text](#)[Remote Search](#)

This is the list of concepts related to **voc**

[Volatile organic compounds](#) (Topic)

[\[-\] MACS00114444](#)

VOC (Ökologische Chemie) (German)

Composés organiques volatils (French)

Volatile organic compounds (English)

Sources:

MACS: MACS0011444

SWD: 4351499-6

RAMEAU: FRBNF120235188

LCSH: sh 93000972

---

**REFINE**

Authority Type: **Topic**



[Authority Type](#)



[Topic \(1\)](#)

of 1 pages

# Wikipedia/DBpedia

**SLUBsemantics**

- Wissenschaft
  - Sozialwissenschaft
    - Anthropologie
    - Betriebswirtschaftslehre
    - La Voce
    - Fort Zeelandia (Taiwan)
  - Medizin
    - Calciumkanal
    - Wouter Schouten
  - Naturwissenschaft
    - Geographie
    - Chemie
    - Leerlaufspannung
- Geschichte
  - Deut
  - Rogate
  - Neuzeit
    - Ermanno Cavazzoni
    - Die Stimme des Mondes
    - Batavia (Schiff)
    - Niederländische Ostindie...
    - Jahrhundert der Frühen ...
    - La Voce
- Kultur
  - Kultur nach Staat
    - Die Stimme des Mondes
    - Fort Zeelandia (Taiwan)
  - Batavia (Schiff)
  - Literatur
  - Christentum
  - Anthropologie
  - Alltagskultur

**SLUB**  
Wir führen Wissen.

Startseite **Recherche** Service Sammlungen Über uns SLUBlog





VOC

Filter behalten:  Hilfe Nur in folgendem Feld suchen: Alle

Bücher, Bilder ... Aufsätze Webseite Sortierung: Relevanz

4.639 Ergebnisse (1 bis 10)  
Seite 1 von 464

K < | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | ... > >>

	VOC-opvarenden 2008 <a href="#">Online ansehen</a>	Relevanz: 100%
	Multi-sensor systems for VOC : recalibration and coating procedures Frank, Michael 2001 <a href="#">Online ansehen</a>	Relevanz: 51%
	TANAP database of VOC documents : Gateway to the documents of the Dutch East India Company (VOC) 1602-1795 2010 <a href="#">Online ansehen</a>	Relevanz: 50%
	Neuartige Waschflüssigkeitssysteme zur Absorption flüchtiger organischer Kohlenwasserstoffe (VOC) / 8 Tabellen Weisweiler, Werner ; Pinter, A. ; Winterbauer, Hansjürgen 1995 Projekt Europäisches Forschungszentrum für Maßnahmen zur Luftreinhaltung ; 137 ; Berichte Umweltforschung Baden-Württemberg	Relevanz: 50%

Relevanz: 43%

**Ergebnis einschränken**

**Verfügbarkeit**

<input type="checkbox"/> Ausleihbar / Nutzung v...	(2.765)
<input type="checkbox"/> Ausleihbar, Freihand	(1.118)
<input type="checkbox"/> Online Ressource	(528)
<input type="checkbox"/> Ausleihbar, Magazin	(162)
<input type="checkbox"/> Benutzung im Haus, Fr...	(74)
<input type="checkbox"/> Benutzung im Haus, M...	(67)

**Medientyp**

<input type="checkbox"/> Tonträger	(3.379)
<input type="checkbox"/> Bücher	(733)
<input type="checkbox"/> Datenbanken	(223)
<input type="checkbox"/> Filme	(135)
<input type="checkbox"/> Andere	(88)

Zeige 4 weitere

**Erscheinungsdatum**

Zeitraum von: 0 bis: 2015

Einschränken

**But, wait a minute...**

RDF?

Identifiers?

Global index?

Transparency?

## \*\*\*\* the system

Open independent transparent web based  
connected data infrastructure

Linked Open Data

Should libraries, vendors invest in data  
infrastructure instead of systems?

⌘ u©€ **the system**

Open independent transparent web based  
connected data infrastructure

Linked Open Data

Should libraries, vendors invest in data  
infrastructure instead of systems?

# NISO Open Discovery Initiative

“Transparency in discovery” 2014

*(<http://www.niso.org/workrooms/odi/>)*

“... facilitate increased transparency in the content coverage of indexbased discovery services ...

Full transparency will enable libraries to objectively evaluate discovery services ...”



# NISO Open Discovery Initiative

In scope:

Quantity of content

Form of content

Do not favor or disfavor items from any given content source or material type

Specific metadata fields indexed

Whether controlled vocabularies or ontologies are included

# NISO Open Discovery Initiative

Out of scope:

“Relevancy ranking” (may fall within the realm of proprietary technologies used competitively to differentiate commercial offerings)

APIs exposed by discovery service (initially, reluctantly)

# NISO Open Discovery Initiative

Nothing about:

Content linking/identifiers

Normalised/multilingual authority files

Relevancy ranking

System independent data infrastructure

# NISO Open Discovery Initiative

Stakeholders/Working group members:

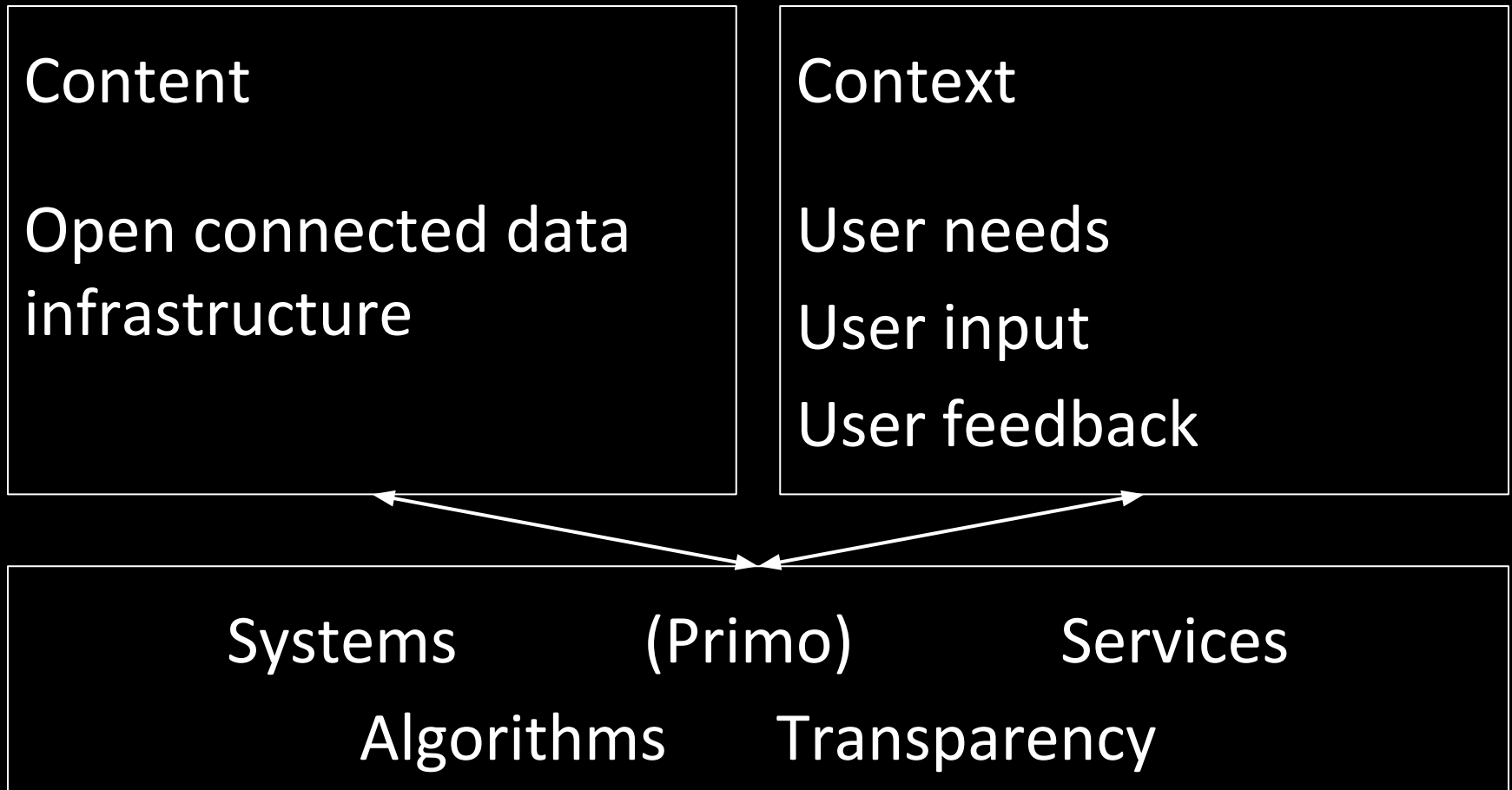
Content providers

Discovery service providers

Libraries

Who's missing?

# Relevance redefined



SOA - Service Oriented Architecture + Context



*That's all Folks!*