Online resources for bibliodata discovery Usage, limitations and desiderata

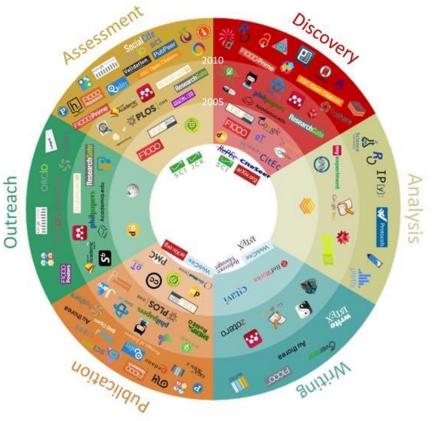
Matteo Romanello (University of Lausanne)

DARIAH-ERIC Annual Event 2020

Discovery

Discovery: through *searching* and *reading* it is a key activity in the research lifecycle.

Rich LIS literature on the topic of information seeking, cfr. e.g. D. O. Case & L. M. Given, *Looking for Information: A Survey of Research on Information Seeking, Needs, and Behavior*, 2016.

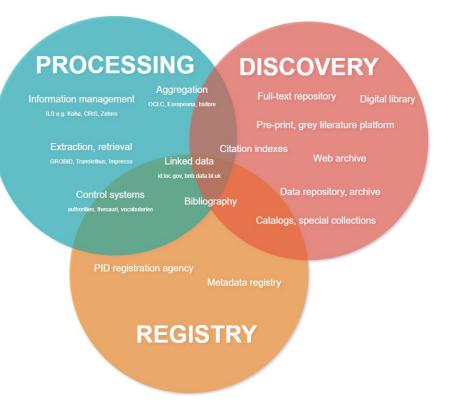


101 Innovations in Scholarly Communication

Discovery

Discovery

- Interfaces
- Services
 - Content recommendations



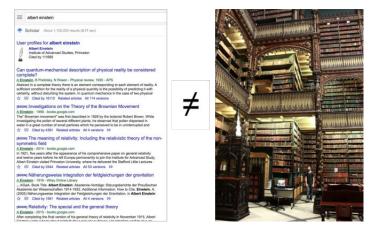
Citation indexes

Forward/backward citation chaining

By navigating reference lists we can discover new, interesting publications

Limitations (for the A&H)

- Coverage: of disciplines, of languages
- Not everything has a DOI
- Specificities of the A&H not captured



Examples

- Web of Science
- <u>Scopus</u>
- MS Academic
- <u>Dimensions</u>
- Semantic Scholar
- Google Scholar

Discovery in flux

Analog Digitized/Digital Smart/Al-enabled \rightarrow \rightarrow

Card catalogues Indices Bibliographies

Digitized bibliographies **Digital library catalogues** Citation indexes

Smart Citation indexes Knowledge graphs New services

 \rightarrow

Traditional

Modern \rightarrow

 \rightarrow

Innovative

Experimental

Citation indexes – new generation



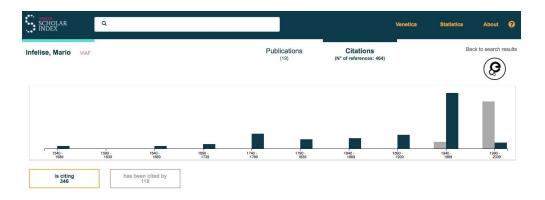
Scite.ai (example)

Citation indexes – new generation

ABSTRACT TABLES AND TOPICS	1,911 CITATIONS	89 REFERENCES	RELATED PAPERS
1,911 Citations			
Search within citation Q Date Range ~ Citation	Type V Has PDF Publication Type	oe v Author v More Filters	Sort by Relevance
	Citation Type		
	 All Types 		
Intuitive Approaches for named Entity Recognition and Mukta Takalikar, Manali Kshirsagar, Gauri M. Dhopavkar · Computer Sci			
💶 · 📕 Save 🔺 Alert 📫 Research Feed	O Cites Methods		
Named Entity Recognition: Applications, Approaches	O Cites Background		
Archana Goyal, Manish Kumar, V. Gupta • 2017			
😘 2 · 📕 Save 🌲 Alert 🏚 Research Feed			
Survey of Named Entity Recognition Systems with res	pect to Indian and Foreign Language	es	
Nita V. Patil, Ajay S. Patil, B. Pawar · Computer Science · 2016			
(66 27) (PDF) · ■ Save ▲ Alert ▲ Research Feed			
IGM CEIPE 2014: Named Entity Passanitian for Indian			
ISM@FIRE-2014: Named Entity Recognition for Indian	Languages		
D. Prabhakar, S. Dubey, Bharti Goel, Sukomal Pal · Computer Science ·	FIRE '14 · 2014		
	FIRE '14 · 2014		
D. Prabhakar, S. Dubey, Bharti Goel, Sukomal Pal · Computer Science ·	FIRE '14 · 2014 Alert 🍿 Research Feed		



Venice Scholar Index



Books - 242

Title 🗢		Links	Author \$	Publisher ≑	Year ¢
Il principe del regno delle fate	Show references (20)	VScholar		Albatros,	2013
New York - Milano : disegno della città per la regione urbana	Show reference (1)	VScholar		Alinea,	2007
Biblioteca tirolese, o sia Memorie istoriche degli scrittori della contea del Tirolo	Show reference (1)	VScholar	Tovazzi, Giangrisostomo, 1731	Fondazione Biblioteca San Ber	2006
Novelas ejemplares	Show reference (1)	VScholar	Blasco, Javier	Galaxia Gutenberg,	2005
Mappa topografica della citta di Napoli e de' suoi contorni	Show reference (1)	VScholar	Carafa, Giovanni Pietro, 1476	Grimaldi e C.,	2003
Atti della Accademia nazionale dei Lincei. Classe di scienze morali, storiche e filologiche. Memorie	Show reference (1)	VScholar	Venturi, F.	Accademia Nazionale dei lince	2002
Canaletto incisore	Show reference (1)	VScholar	Montecuccoli degli Erri, Feder	Istituto veneto di scienze, I	2002
L'immagine del duca : musica e spettacolo alla corte di Guidubaldo 2. duca d'Urbino	Show reference (1)	VScholar	Piperno, Franco	L. S. Olschki,	2001
Lettere a Lucilio	Show reference (1)	VScholar		Biblioteca Universale Rizzoli	1999
L'editoria veneziana nel '700	Show reference (1)	VScholar Library	Infelise, Mario	F. Angeli,	1989
L'editoria veneziana nel '700	Show reference (1)	VScholar Library	Infelise, Mario	F. Angeli,	1989

Venice Scholar

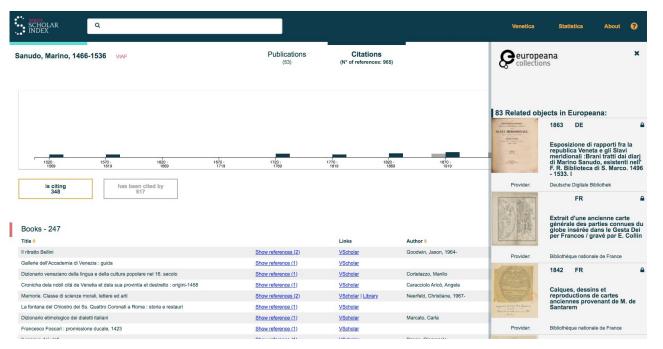
Prototype of an A&H citation index

Comprehensive coverage of literature on the history of Venice.

Discovery by "<u>surfing the citation</u> <u>web</u>", including references to primary sources (archival documents).

https://venicescholar.dhlab.epfl.ch/

Serendipitous discovery



Serendipity: discovering B while looking (primarily) for A.

Europeana sidebar

- Contextual recommendations
- Dynamic queries via Europeana Search API

(Read more about the Europeana RD Grant)

Open Discussion

- Your favourite tool/platform for bibliodata discovery?
- Opportunities & pitfalls of citation indexes for A&H
- Your desiderata for discovery features (in your specific discipline)?

Further links

- Aaron Tay's blog
- 101 Innovations in Scholarly Communication
- Scholar Index