



Searching For **SCHOLARLY** **INFORMATION:** Where & How

LIBRARY SESSION FOR ENCS 282

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AGENDA

1. Where to search?
2. What are scholarly sources?
3. What are the major library search tools?
4. How to organize citations and references efficiently?



**WHAT SEARCH TOOL
DO YOU USE TO FIND
ACADEMIC
INFORMATION?**

WHAT IS THE DIFFERENCE?

GOOGLE SCHOLAR



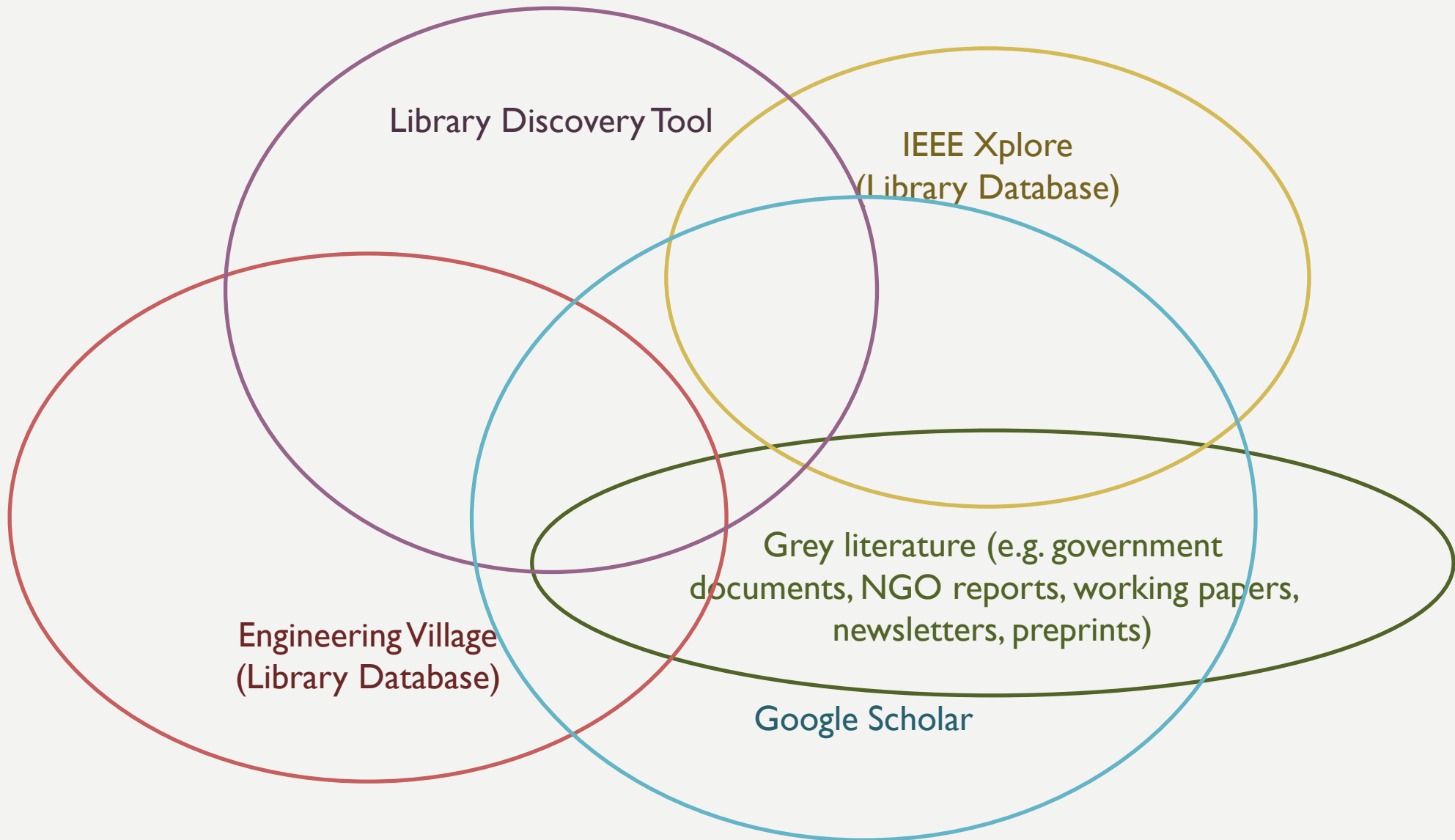
Volume | Quantity | Quick

LIBRARY DATABASES



Depth | Quality | Thorough

WHERE SHOULD YOU SEARCH?





EVALUATE INFORMATION

**EQUALLY IMPORTANT IN ACADEMIA AND
PROFESSIONAL PRACTICE**

EVALUATING INTERNET INFORMATION

WHAT DO FACT CHECKERS DO?

- Spend more time scanning the snippets on the results page **before clicking**
- Know what you read **before you read it**
- More **lateral reading** than vertical reading




EVALUATING INTERNET INFORMATION

CONSIDERATIONS

- Who is behind the information?
- What is the evidence?
- What do other sources say?

STRATEGIES

- Click restraint
- Lateral reading
- Check emotions
- Expertise and Consensus



MAJOR TYPES OF INFORMATION SOURCES

WHAT IS CONSIDERED SCHOLARLY?

WHAT SOURCE TYPE IS IT?

AN ACTIVITY ON MENTIMETER



**CITE A WIDE RANGE OF
SOURCES FOR THEIR
DIFFERENCES IN PURPOSE,
SCOPE, AND PERSPECTIVES**

MAKE USE OF SCHOLARLY SOURCES GENEROUSLY



LIBRARY DISCOVERY TOOL

THE MAIN LIBRARY SEARCH TOOL

Sofia Discovery tool

Books, ebooks, articles, and more

Search

[User guide](#)

Searching Sofia 

[Advanced search](#)



DATABASES BY
SUBJECT



E-JOURNALS



COURSE
RESERVES &
TEXTBOOKS



CITATION GUIDES
& ZOTERO



LOANS &
RETURNS



BOOK A GROUP
STUDY ROOM

LIBRARY DISCOVERY TOOL

- Front and centre on the library homepage
- A good starting point for a general search across library resources
- Answer questions such as:
 - Does the library have this book?
 - Does the library have this journal article?
 - Does the library have some background/overview information on a topic?

Sofia **Concordia** blockchain ⌕ Hello Sign In

Advanced Search Resources ▾

Sort: **Best Match** ▾ ★ Saved Items (0)

^ Group This Search
☒ Group Related Editions

^ Library
☐ Libraries Worldwide
☐ Bibliothèques universitaires du Québec
☒ Concordia University Library
☐ Webster Library
☐ Vanier Library
☐ Special Collections

^ Format
[All](#)
[Article \(13.9K\)](#)
[Book \(1K\)](#)


^ ☐ Article, Chapter (17K)
☐ Article (13.9K)
☐ Downloadable Article (2.1K)
☐ Chapter (1.3K)

^ ☐ Book (1K)
☐ eBook (975)
☐ Print Book (31)
☐ Thesis, Dissertation (3)

^ ☐ Video (46)
☐ eVideo (46)

^ ☐ Journal, Magazine (9)
☐ eJournal, eMagazine (9)

1



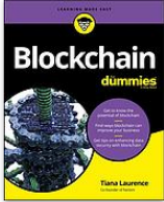
Blockchain
 Authors: [Matthieu Quiniou](#) (Author), [Safari, an O'Reilly Media Company](#).
 eBook 2019, 1st edition.
 Wiley-ISTE, 2019.

Summary: The dominance of trusted intermediaries could be weakened by **blockchain**, a distributed ledger technology, one of the functions of which is to constitute timestamped proofs by replacing inter-individual trust with algorithmic trust. **Blockchain** self-executing smart contracts allow us to rethink the practice in the domain of e-commerce, interbank communication,
[Show More](#)

[View eBook](#) ✓ Available
 Concordia University Library

Worldwide Editions and Formats [View All \(2\)](#)

2



Blockchain for dummies
 Authors: [Tiana Laurence](#) (Author)
 eBook 2017
 [Place of publication not identified] : Wiley, [2017]

Summary: Find out what **Blockchain** is, how it works, and what it can do for you **Blockchain** is the technology behind Bitcoin, the revolutionary 'virtual currency' that's changing the way people do business. While Bitcoin has enjoyed some well-deserved hype, **Blockchain** may be Bitcoin's most vital legacy. **Blockchain** For Dummies is the ideal starting place for business pros looking to gain
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LIBRARY DISCOVERY TOOL

- A search for a broad keyword such as *blockchain*
- Refine options include:
 - Format types (e.g. ebooks)
 - Publication years
- Shows results with Concordia full text access by default
 - Easily expand to other university libraries in Québec or Worldwide
 - Easily make requests for items from other university libraries

LIBRARY DATABASES

OVER 400 OF THEM ORGANIZED BY DISCIPLINE

Engineering Village™

IEEE
Xplore®
Digital Library

 **Clarivate**
Web of Science™

 **SCIFINDER**ⁿ®
A CAS SOLUTION

Scopus®

Knovel®

LIBRARY DATABASES

- Content is usually more in-depth and specialized
- More options to search, expand, or refine
- Answer questions such as:
 - Where can I find journal articles on a specific aspect of a topic
 - How can I combine different elements/keywords in a search?

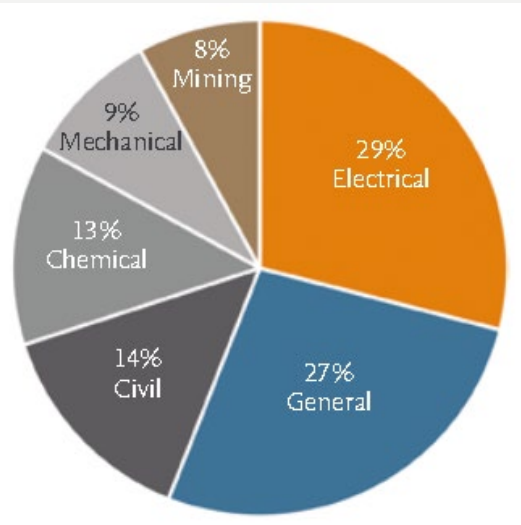


ENGINEERING VILLAGE

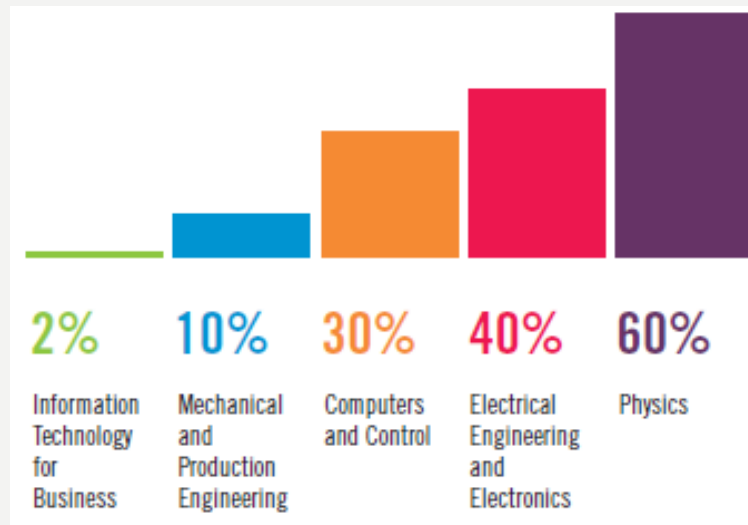
A CLOSER LOOK AT AN ENGINEERING DATABASE

WHAT CONTENT IS INCLUDED?

With a coverage of 1884 to the present, the three indexes **Compendex**, **Inspec**, and **GEOBASE** provide content in general engineering as well as more specialized engineering disciplines.

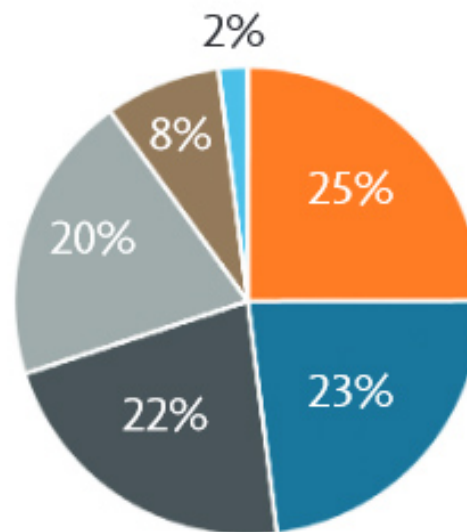


Compendex



Inspec

- Human Geography – 25%
- Environmental Sciences – 23%
- Physical Geography – 22%
- Geology – 20%
- Oceanography – 8%
- Geomechanics – 2%



GEOBASE

Document type



Filter results:



<input type="checkbox"/> Conference article	(395,204)	<input type="checkbox"/> Erratum	(329)
<input type="checkbox"/> Journal article	(290,757)	<input type="checkbox"/> Retracted	(218)
<input type="checkbox"/> Preprint	(129,714)	<input type="checkbox"/> Data Paper	(98)
<input type="checkbox"/> Conference proceeding	(11,442)	<input type="checkbox"/> Report review	(85)
<input type="checkbox"/> Article in Press	(6,696)	<input type="checkbox"/> Standard	(43)
<input type="checkbox"/> Book chapter	(5,173)	<input type="checkbox"/> Editorial	(38)
<input type="checkbox"/> Dissertation	(2,049)	<input type="checkbox"/> Patent	(4)
<input type="checkbox"/> Book	(566)	<input type="checkbox"/> Report chapter	(4)

View: 10 Max

Limit to

Exclude

IS THE CONTENT PEER-REVIEWED?

- Journal articles are peer-reviewed
- Some conference articles/proceedings are peer-reviewed
- Recently, preprints have been included in the results in Compendex
- Preprints are NOT peer-reviewed, but are helpful in exploring the latest papers

SEARCHING EFFECTIVELY

IN ACADEMIC DATABASES

SEARCHING EFFECTIVELY



- Break down a topic into key concepts
- Brainstorm synonyms
- Explore, revise, and refine
- Trace references



- Avoid long phrases or sentences
- Avoid noise words
- Don't give up after the first try
- Too broad or too specific?

Research Question

How does electronic waste recycling affect citizens living in Guiyu, China?



Key Concepts → Synonyms

Electronic waste
Recycling
Guiyu

E-waste
Reuse, management
Guiyu, Guangdong, China

FROM A TOPIC TO KEY CONCEPTS

Think through your topic before searching.

Breaking down a topic helps develop effective keywords.

Key Concepts

Electronic waste
Recycling
Guiyu

Synonyms

E-waste
Reuse, management
Guiyu, Guangdong, China

COMBINE THE KEY CONCEPTS

Search can be built up from a simple one to a complex one, allowing the combination of many keywords or concepts.

Sample Topic:

How does electronic waste recycling affect citizens living in Guiyu, China?

The screenshot shows the Engineering Village search interface. The search query is built up in three steps:

- Quick search: All fields for "electronic waste" OR e-waste
- AND All fields for recycle OR reuse OR manage
- AND All fields for Guiyu OR Guangdong OR China

Suggested terms: Recycling, Wastes, Organic Pollutants, Lithium-Ion Batteries, Printed Circuit Boards

Turn on AutoSuggest | + Add search field | Reset form

Databases Date Language Document type Sort by Browse indexes Autostemming Discipline Treatment

1,620 records found in Compendex for 1884-2021: (((("electronic waste" OR e-waste) WN ALL) AND ((recycle OR reuse OR manage) WN ALL)) AND ((Guiyu OR Guangdong OR China) WN ALL))

Create alert Save search Share search RSS feed Sort by: Rel

A QUICK DEMO OF ENGINEERING VILLAGE

Thermal effects and anomalies in the low-temperature plasticity of crystals

Malygin, G.A. (A.F. Ioffe Physicotech. Inst., St. Petersburg, Russia) Source: *Physics of the Solid State*,

Database: Inspec

Document type: Journal article (JA)

Detailed Show preview ▾ Cited by in Scopus (2)

Full text ↗


Find it @ Concordia


“Full text” button, if one exists

“Find it @ Concordia” button to check the library’s other subscriptions. If not available, request it via **Interlibrary Loan**.


HOW TO ACCESS FULL TEXT?


Full text may be readily available. If not, the “Find it @ Concordia” button can help check for full text availability in the library.


 Sofia

 Concordia


[Concordia](#) > [Library](#) > [Sofia](#) > Find full text


 Contactless Book Pickup and Article/Chapter Scan & Deliver are available, see [Library services and resources during COVID-19](#).


 INFO

 VIEW FULL TEXT


BROWSE RELATED ARTICLES

 IN LIBRARY

 REQUEST

 CITE

Distribution pattern of heavy metals in soils with respect to typical land uses in electron


 Article, Chapter


Authors: Wen-Cheng Wu

Publication: Zhongguo Huanjing Kexue/China Environmental Science, Volume:38, Issue:7, Page(s):2632-2638


Published: 2018

ISSN: 1000-6923

 Access full text via journal or collection links below. We were unable to find direct full text links for this item.
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 **Print copies at your library**

[Check for print holdings](#)

 **Request a copy of this item**

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INTERLIBRARY LOAN

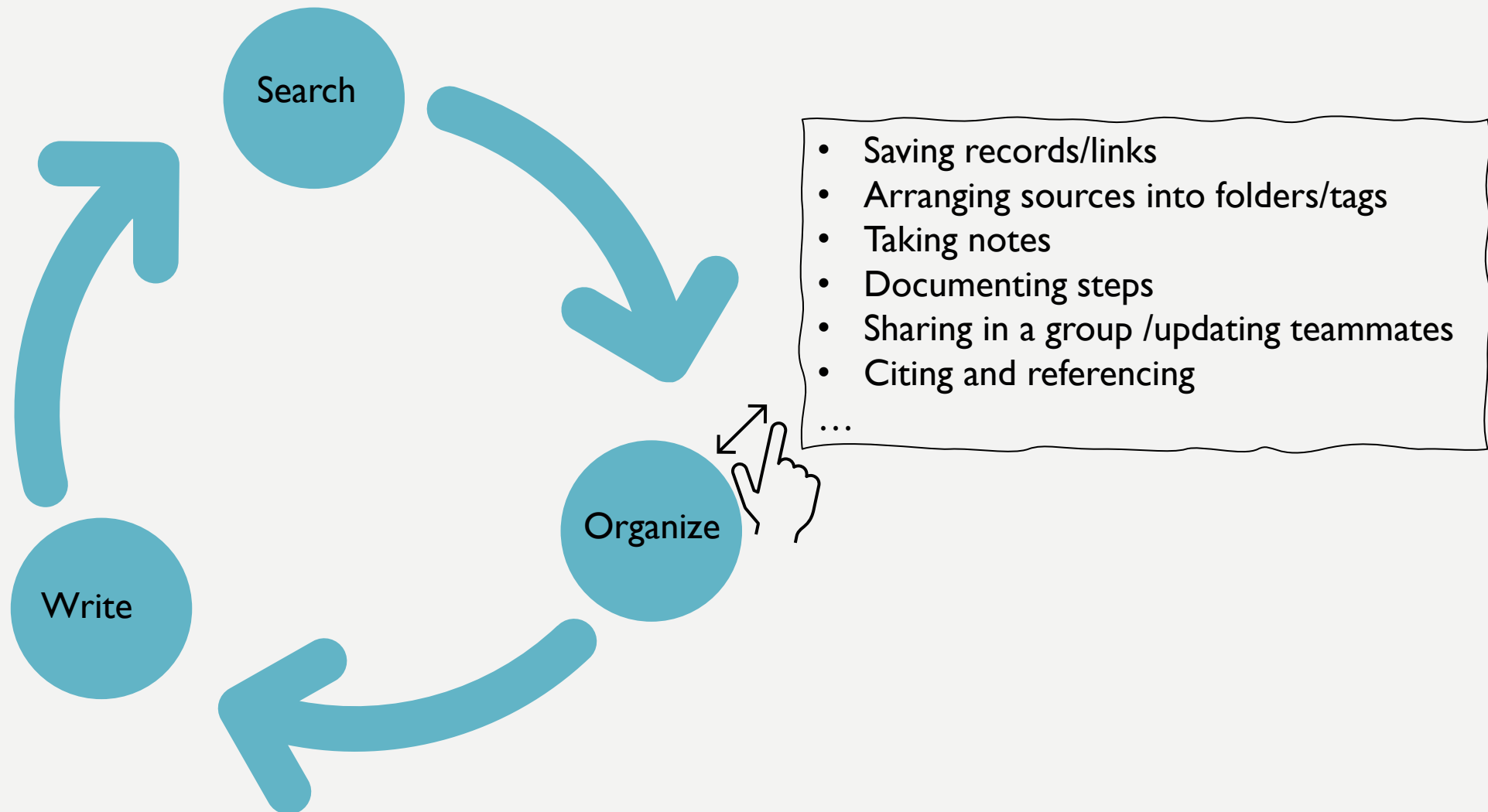
- If Concordia Library doesn't have it, use Interlibrary Loan
- Takes a few days or longer to process depending on the item

A decorative wavy line on the left side of the slide, consisting of a light blue line and a white line that follows its path.

DOCUMENTING SOURCES

CITING IT PROPERLY AND EFFICIENTLY

ORGANIZING IS PART OF THE PROCESS



Sample text

As demonstrated in [1], lorem ipsum dolor sit amet, consectetur adipiscing elit. Sed sed porta arcu, ac efficitur arcu. For example, see [2]. Suspendisse dui turpis, condimentum vitae porttitor in, elementum eu mauris. Pellentesque enim nisl, volutpat sed efficitur id, blandit at quam. Nulla dui augue, varius sit amet leo mollis, sollicitudin vehicula justo. However, [3]–[5] contested that proin est sem, sagittis eget leo vel, gravida porttitor quam. Phasellus sed mauris eleifend, pharetra lacus in, eleifend nulla.

References

- [1] R. Nagayama, R. Banno, and K. Shudo, "Identifying impacts of protocol and internet development on the bitcoin network," in *2020 IEEE Symposium on Computers and Communications, ISCC 2020, July 7, 2020 - July 10, 2020*, Rennes, France, 2020, vol. 2020-July, doi: 10.1109/ISCC50000.2020.9219639.
- [2] L. M. Lach *et al.*, "The health and psychosocial functioning of caregivers of children with neurodevelopmental disorders," *Disability and Rehabilitation: An International, Multidisciplinary Journal*, vol. 31, no. 9, pp. 741–752, 2009, doi: 10.1080/08916930802354948.
- [3] E. Zaghloul, T.T. Tong, M. W. Mutka, and J. Ren, "Bitcoin and blockchain: Security and privacy," *IEEE Internet Things J.*, vol. 7, no. 10, pp. 10288–313, Oct. 2020, doi: 10.1109/JIOT.2020.3004273.
- [4] T.H. Chang and D. Svetinovic, "Improving bitcoin ownership identification using transaction patterns analysis," *IEEE Trans. Syst. Man Cybern., Syst.*, vol. 50, no. 1, pp. 9–20, Jan. 2020, doi: 10.1109/TSMC.2018.2867497.
- [5] P. A. Laplante, *Technical Writing: A Practical Guide for Engineers, Scientists, and Nontechnical Professionals*, 2nd ed. New York: CRC Press, 2018 [Online]. Available: <https://doi-org.lib-ezproxy.concordia.ca/10.1201/9780429467394>

IEEE CITATION STYLE

- Based on a numbering system
- In-text citations are numbers in square brackets
- Full citations are listed on the reference list at the end
- There are official abbreviations to be followed (e.g. journal title)



**WHAT REFERENCE
MANAGER DO YOU
USE?**

CHOOSING THE RIGHT CITATION TOOL

Online citation generator

- ✓ Quick and on the fly
 - ✓ For a small number of references
 - ✓ No account is required
-
- × No storage
 - × No saving while browsing
 - × No integration with word processors
 - × Not many citation styles to choose



zotero**bib**

Built-in features in search platforms
(e.g. Sofia, Google Scholar)

CHOOSING THE RIGHT CITATION TOOL

Reference manager

- ✓ Web-based and also a downloaded software
- ✓ For small and big research projects
- ✓ A storage to save and organize all references
- ✓ A browser extension for saving while browsing
- ✓ PDF annotating and notetaking
- ✓ Integration with word processors (e.g. MS Word, Google Doc)
- ✓ Collaboration in group projects

- ! Basic set-up is required
- ! An account (freemium model) is required

zotero



EndNote™



QUICK INTRODUCTION TO ZOTERO

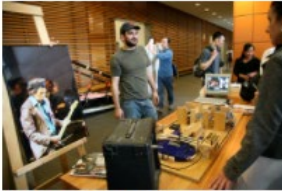
1. Set-up and download
2. Save references/sources from the web browser
3. Generate in-text citations and prepare the reference list automatically via a Word plugin

Help & how-to

Subject & course guides



Business



Engineering & Computer Science



Fine Arts



Humanities



Sciences



Social Sciences



Interdisciplinary

HELP & HOW-TO GUIDES

Subject guides are available for all schools, including one for Engineering and Computer Science.

General guides cover various topics from peer review articles to annotated bibliography.

General guides



Finding

- › Articles (What's peer review?)
- › Books
- › Open Access journals
- › Primary sources
- › [More...](#)



Evaluating

- › Books
- › Articles
- › Media
- › Websites
- › [More...](#)



Writing

- › Annotated bibliographies
- › Literature reviews
- › Book reports
- › Research papers



Citing

- › [APA style](#)
- › [MLA style](#)
- › Chicago style
- › Zotero (formerly RefWorks)
- › [More...](#)



Using

- › Discovery Search
- › Find it! @ Concordia
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Feel free to contact me for an appointment in-person or online.

SCHEDULE AN APPOINTMENT

I can help you with library resources and services, including but are not limited to:

- Locate specific items (e.g. books, articles)
- Navigate resources related to engineering and computer science
- Literature searching
- Citations and references
- Recommend new resources

ASK A LIBRARIAN

Contact the library in-person, by email, chat, or phone.

Contact your subject librarian (that's me!)

Today's opening hours

Webster Library: 24 hours
Vanier Library: 24 hours
Grey Nuns: Closed until October 2022

[Look ahead](#)



Ask a Librarian

Hi! What can I help you with today?

[Chat now](#)

[No, thanks](#)





QUESTIONS?