Národní technická knihovna
National Library of Technology

210 mm

# Discovering the World of Information

**Workshop for the Year 2, English College in Prague,**
**3.4.2017**

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National Library of Technology

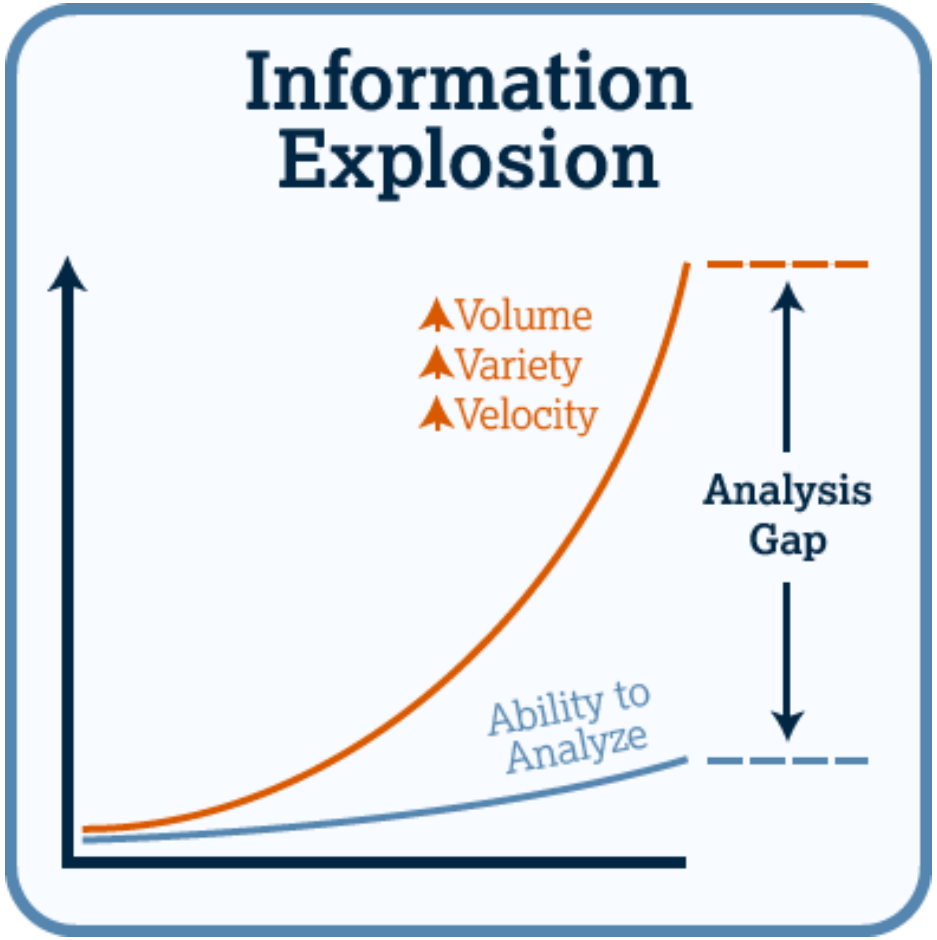
# Why are we here today?

- CRAAP
- Academic research
- Where to search
- Searching tools
- Search engines

# Evaluating information

- When you search for information, you're going to find lots of it
- Is it good information?
- Different criteria will be more or less important depending on your situation or need

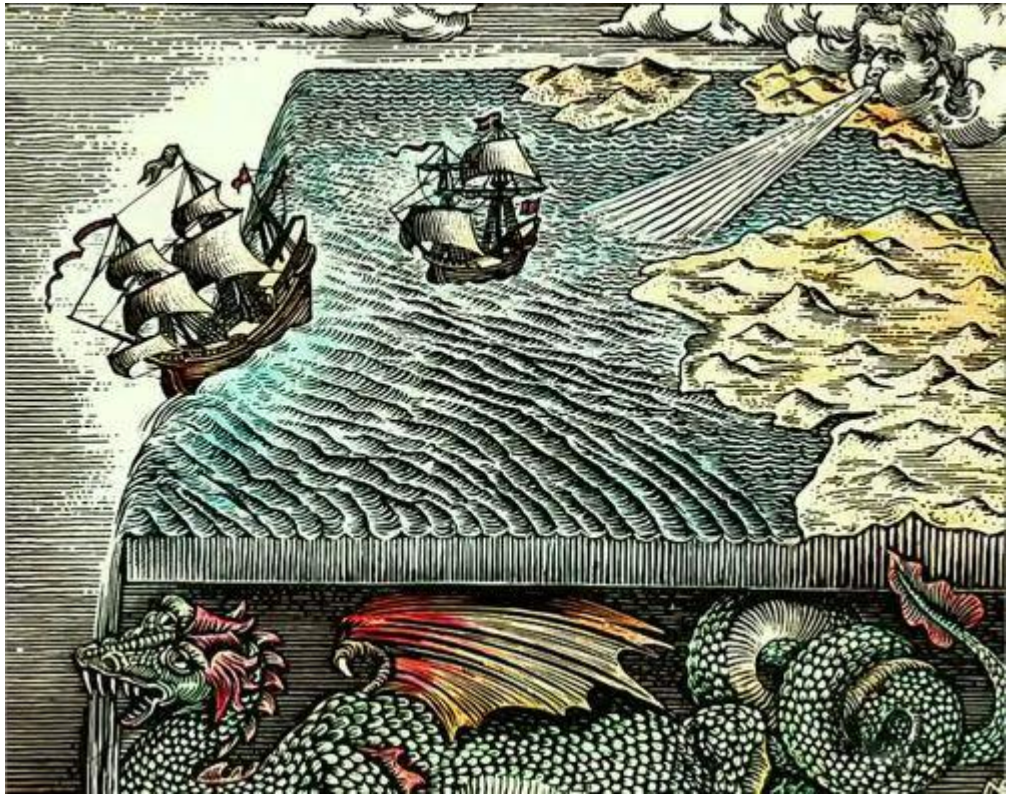
- **To be sure, follow the CRAAP**




*May 2014 – Xeemarmar* [online]. [2017-03-03]. Available at: https://xeemarmar.wordpress.com/2014/05/

# Evaluating information (CRAAP)

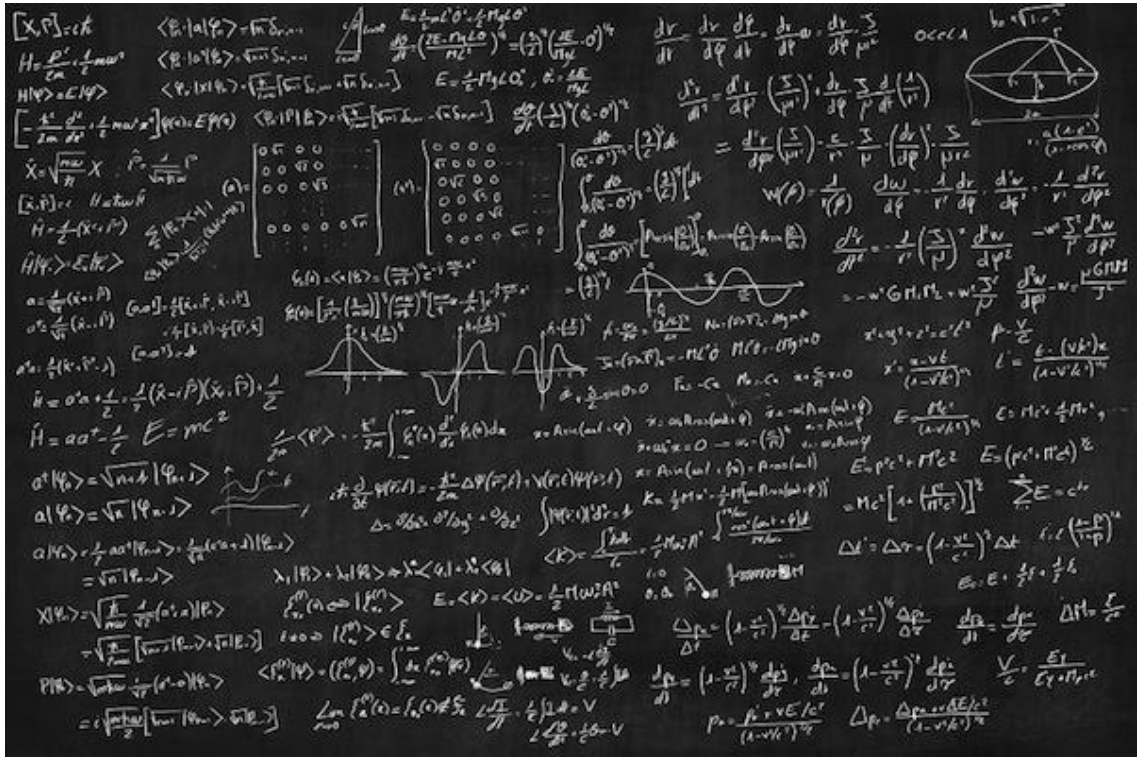
- **Currency**: ***The timeliness of the information*.**
- When was the information published or posted?
- Has the information been revised or updated?
- Does your topic require current information, or will older sources work as well?
- Are the links functional?



*The Flat Earth Society: About* [online]. [vid. 2017-03-01]. Available at: https://theflatearthsociety.org/home/index.php/about-the-society

# Evaluating information (CRAAP)

- ***R*elevance**: ***The importance of the information for your needs*.**
- Does the information relate to your topic or answer your question?
- Who is the intended audience?
- Is the information at an appropriate level (i.e. not too elementary or advanced for your needs)?
- Would you be comfortable citing this source in your research paper?



An average homeschooler: high school textbooks. *Samantha Field* [online]. 12. 12. 2013 [2017-03-01]. Available at: http://samanthapfield.com/2013/12/12/an-average-homeschooler-high-school-textbooks/

# Evaluating information (CRAAP)

- ***Authority***: ***The source of the information.***
- Who is the author/publisher?
- Is the author qualified to write on the topic?
- Is there contact information, such as a publisher or email address?
- Does the URL reveal anything about the author or source?

  (**.edu .gov .org)**

# Evaluating information (CRAAP)

- ***Accuracy***: ***The reliability, truthfulness and correctness of the content.***
- Where does the information come from?
- Is the information supported by evidence?
- Has the information been reviewed or refereed?
- Can you verify any of the information in another source?
- Does the language or tone seem free of emotion?
- Are there grammar or typographical errors?

*Dirk Riehle: Switzerland According to CNN* [online]. [2017-03-01]. Available at: http://dirkriehle.com/humorous-takes/fun-photos/ch-according-to-cnn.html

# Evaluating information (CRAAP)

- ***Purpose: The reason the information exists*.**
- What is the purpose of the information? Is it to inform, teach, sell, entertain or persuade?
- Do the authors make their intentions or purpose clear?
- Is the information fact, opinion or propaganda?
- Does the point of view appear objective?

# Short exercise: OPINION or FACT?

- The Sun is in the center of the Universe.
- Spiders have 8 legs.
- Penguin is the cutest animal.
- Whales are the biggest fish.
- Ants can withstand a pressure up to 5,000 times greater than their own weight.
- It is possible to print an entire house.
- Only the smartest students can study at The English College in Prague.

# Academic writing

What's scholarship all about?

- Thorough **KNOWLEDGE** of issues being examined
- Use of primary sources or other research methods (i.e. controlled experiment)
- All claims, data can be traced back and verified
- Precise terminologies
- Goal: to present new findings, new ideas

**Be critical and smart when conducting research!**

John Snow Knows About The Simpsons At Least. *Nerd Approved - News For Nerds* [online]. [2017-01-24]. Available at: http://nerdapproved.com/misc-weirdness/john-snow-knows-simpsons-standards/

# Sources

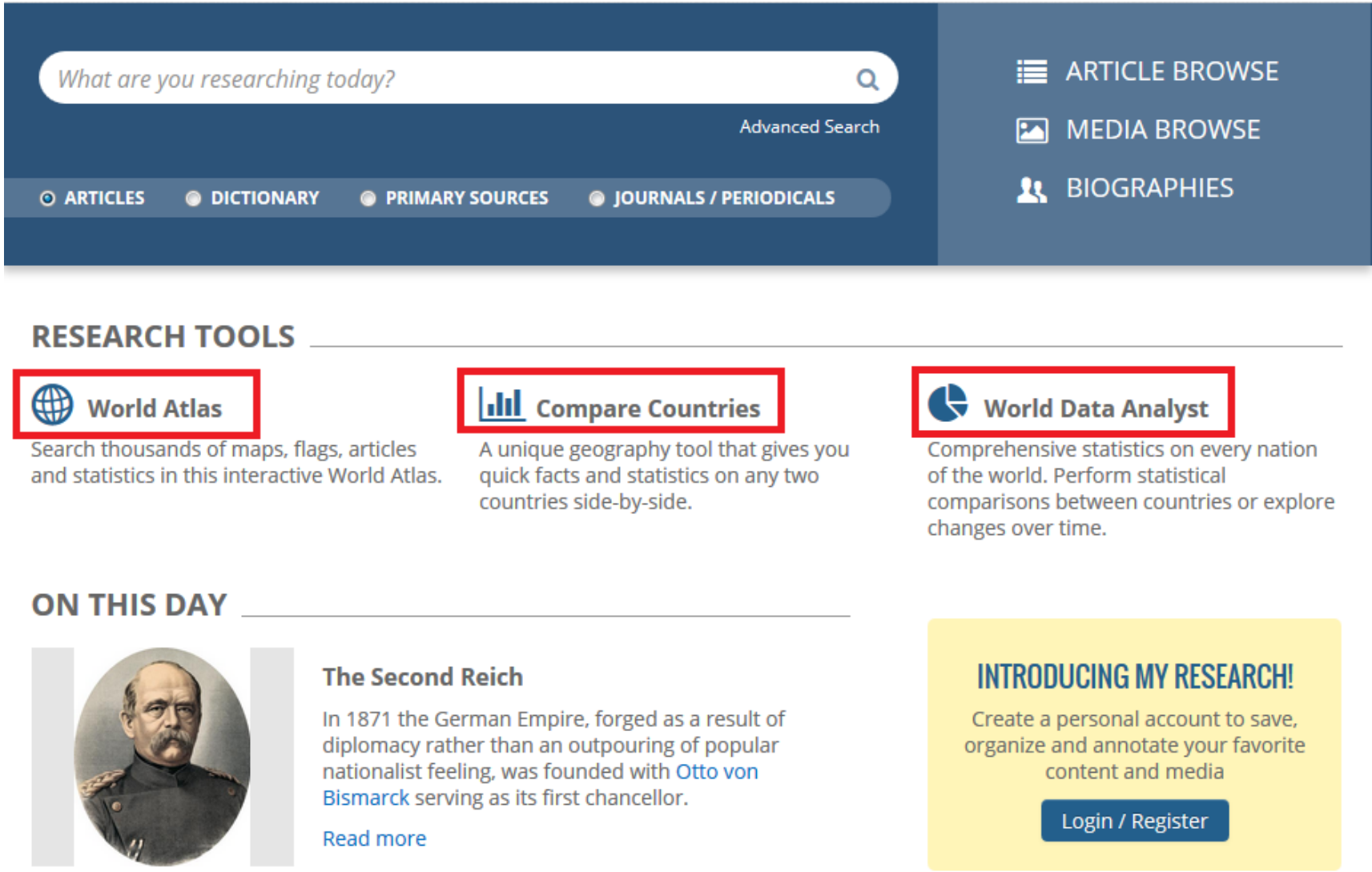
- books/articles/news/archive records/laws/technical norms/blueprints…
- printed/electronic
- written/visual/audio
- observation/interview/correspondance
- licenced/open access

**But all them must be traceable and verifiable!** (remember the CRAAP!)

What happens when Knowledge Management crosses the line. *TIBCO blog* [online]. [2017-01-24]. Available at: http://www.tibco.com/blog/2014/02/27/what-happens-when-knowledge-management-crosses-the-line/

# Basic knowledge/facts about a topic

- Encyclopædia Britannica, AccessScience – access after login to library website
- Highly useful for geography and statistical comparisons
- Easily citable, including images



# Where could these guys go for a coffee in 1913?

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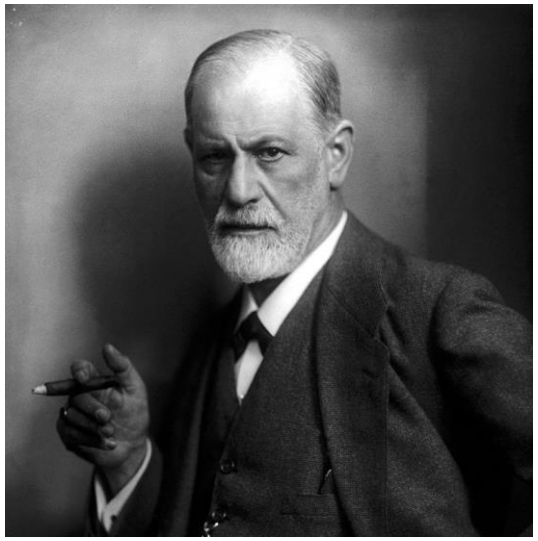

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Source: www.wikipedia.org

# Where could these guys go for a coffee in 1913?

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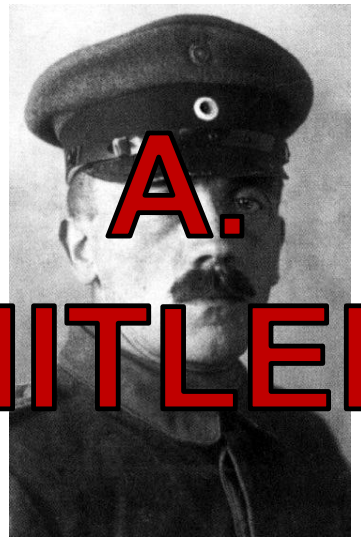


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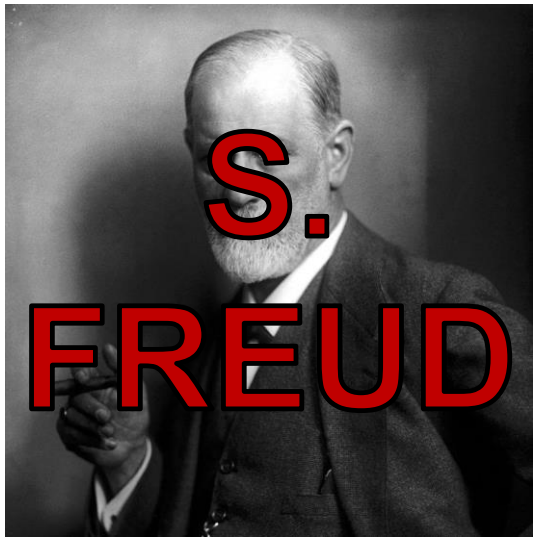


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Source: www.wikipedia.org

# Rushmore no more, Crazy times are coming

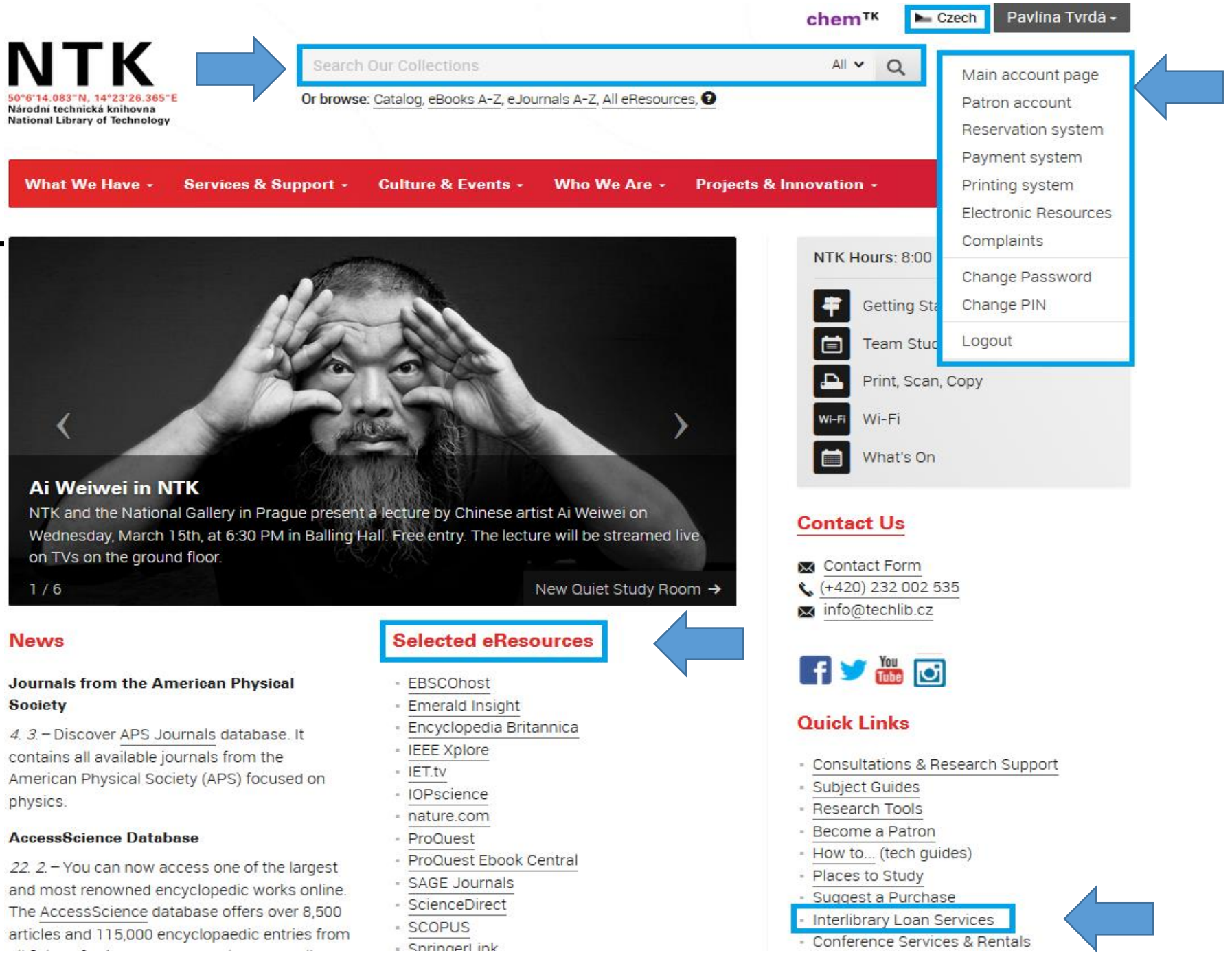
- Where is Mt. Rushmore?
- Who are the heads?
- To which tribe used the land belong? Will they take revenge?

HORSEY, David. Democracy goes trivial with the Donald Trump/Lindsey Graham feud. *Los Angeles Times* [online]. [2015-07-24]. Available at: http://www.latimes.com/opinion/topoftheticket/la-na-tt-trump-graham-feud-20150724-story.html

# Piece of cake

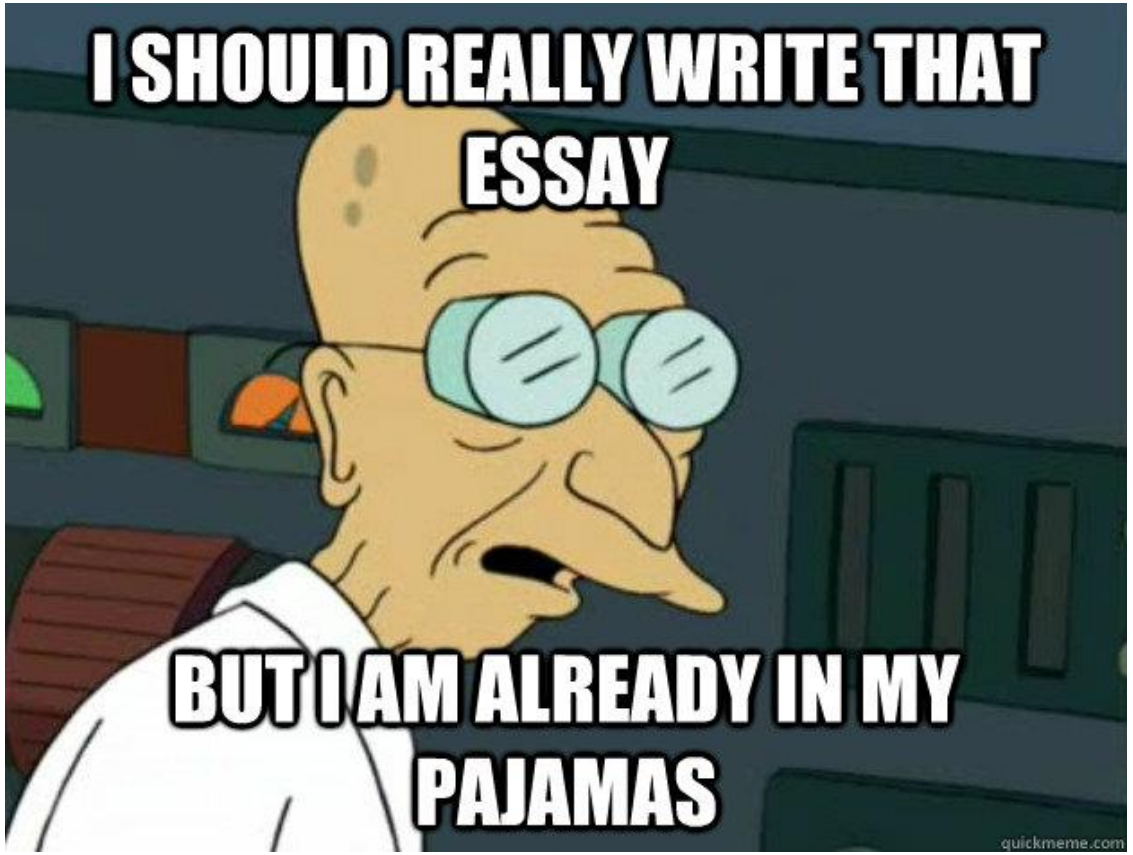
3.14159265358979**X**8462643**X**83279502**X**84197

# Our website a.k.a. „CRAAP filter“



# Do research in your pyjamas

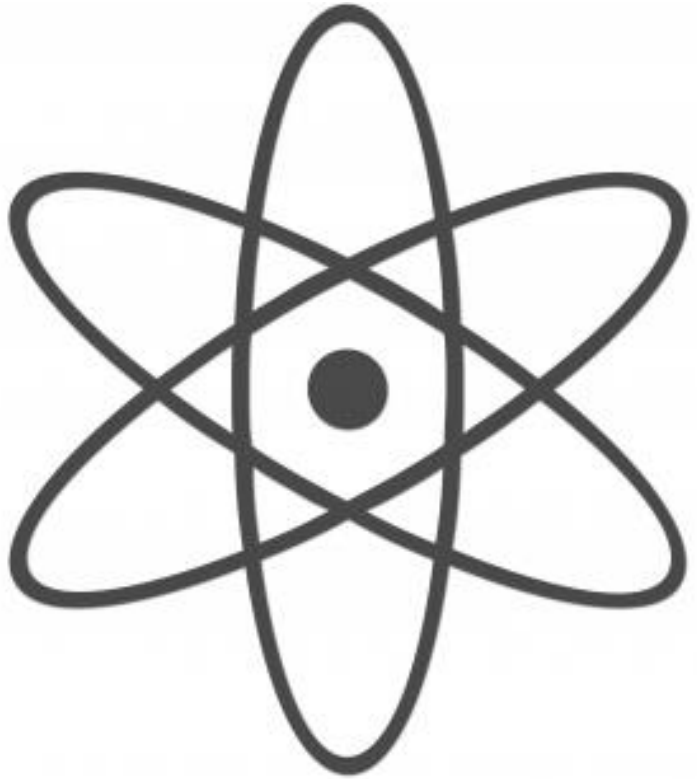
- After login, our eResources are available to you 24/7, wherever you are




I should really write that essay But I am already in my pajamas. *quickmeme* [online]. [2017-01-24]. Available at: http://www.quickmeme.com/meme/3uomkn

# Interdisciplinarity – what is it?

- No discipline is hermetically sealed
- One topic might be considered from different perspectives
- Sciences might overlap with humanitie and other disciplines
- It’s cool to be inter-/multi-/transdisciplinary



# Libraries of the world, unite!

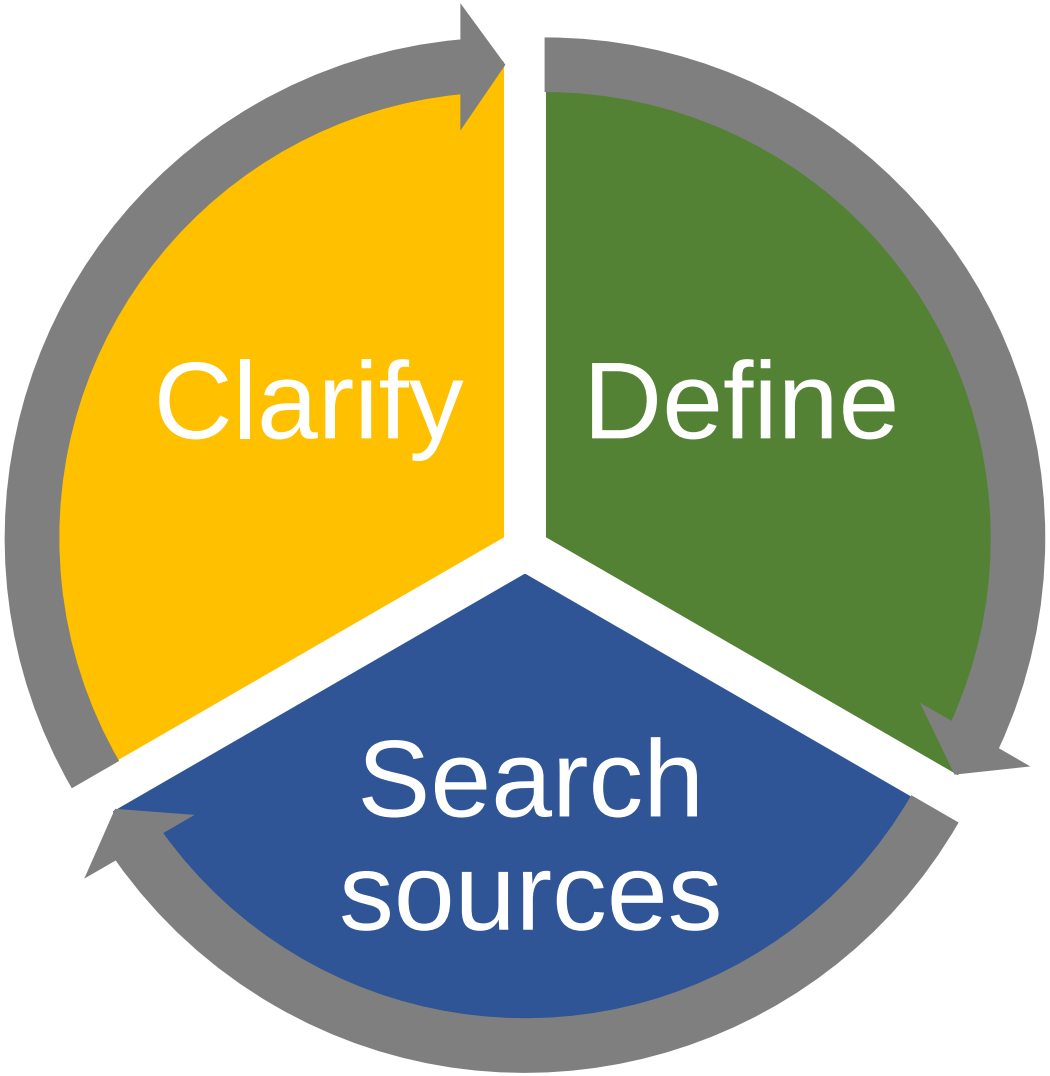
**I**nter-

**L**ibrary

**L**oan

- All the libraries with the richest collections participate!
- Order your resources from anywhere and pick them up in NTK!
- Free of charge!
- (Unless you order it from outside the Czech Republic, then we‘ll charge you a little…)

# Where to start?



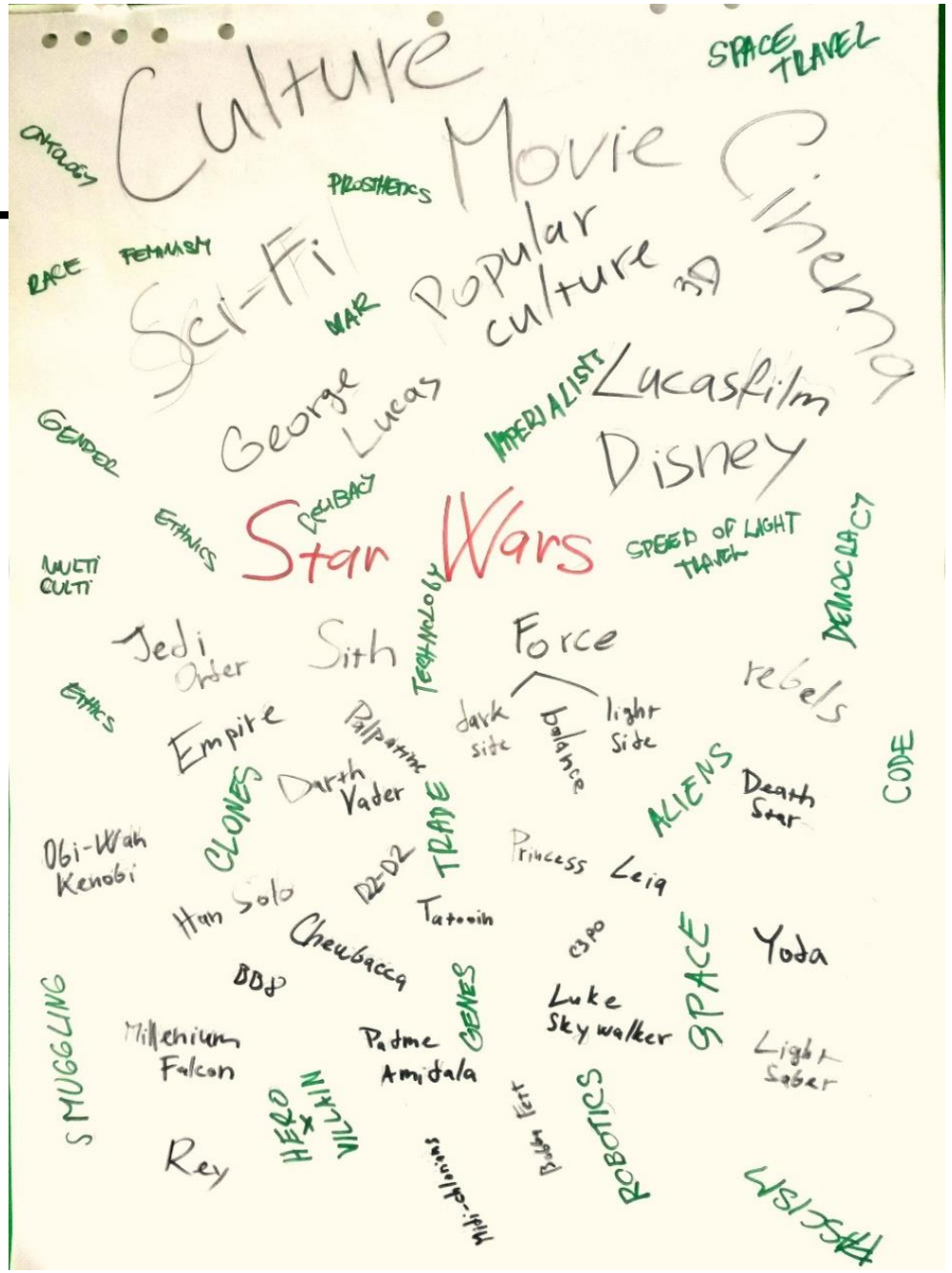

- **Don’t forget to cut the CRAAP**

# Search like an expert

- Keywords
- Operators
- Quotation marks
- Asterisk*
- Filters

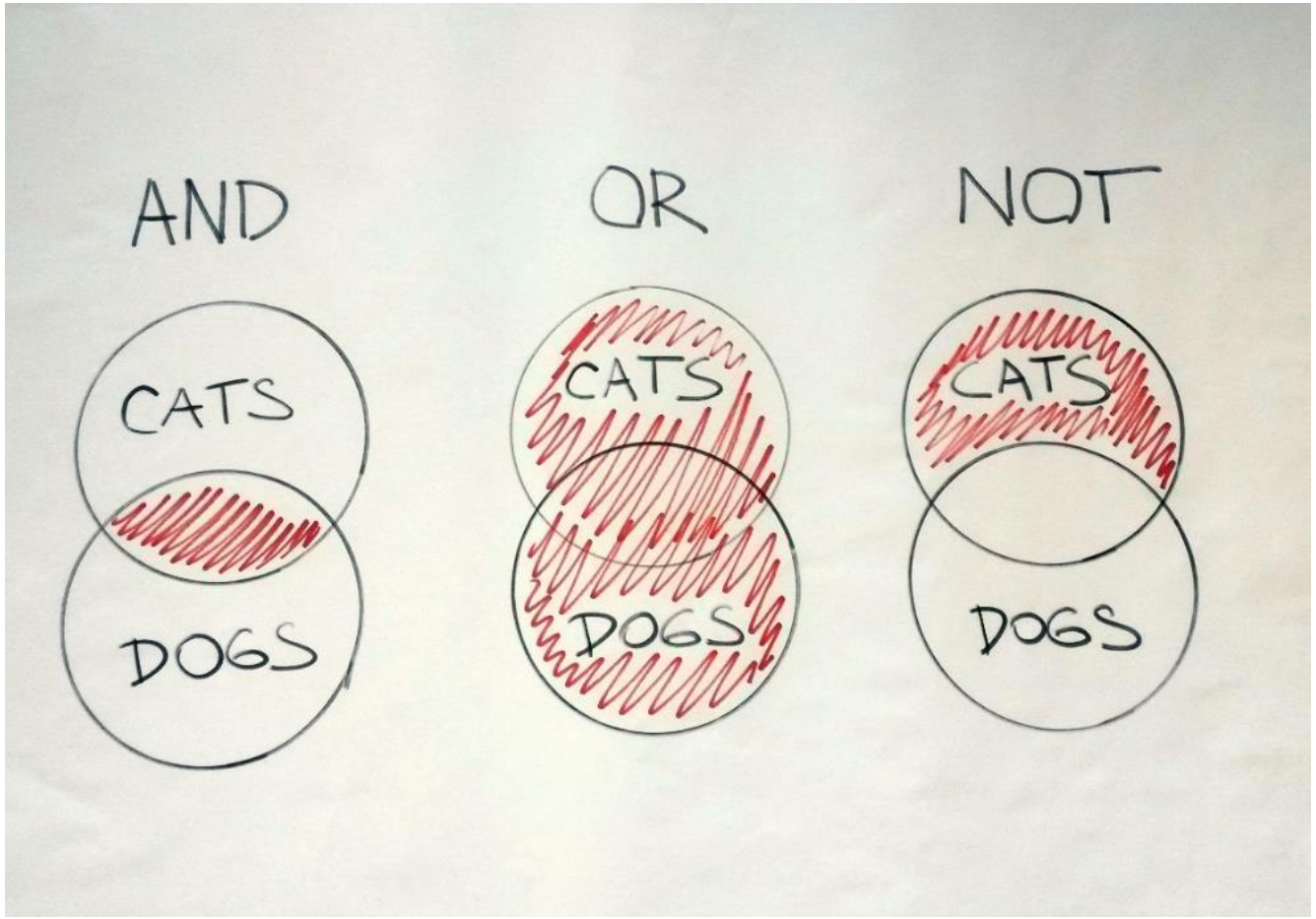
# Search like an expert

- Keywords – immensely important; define and broaden or narrow a search query



# Search like an expert

- Operators – combine or exclude certain results



# Search like an expert

- Quotation marks - search for whole phrases

**Industrial**

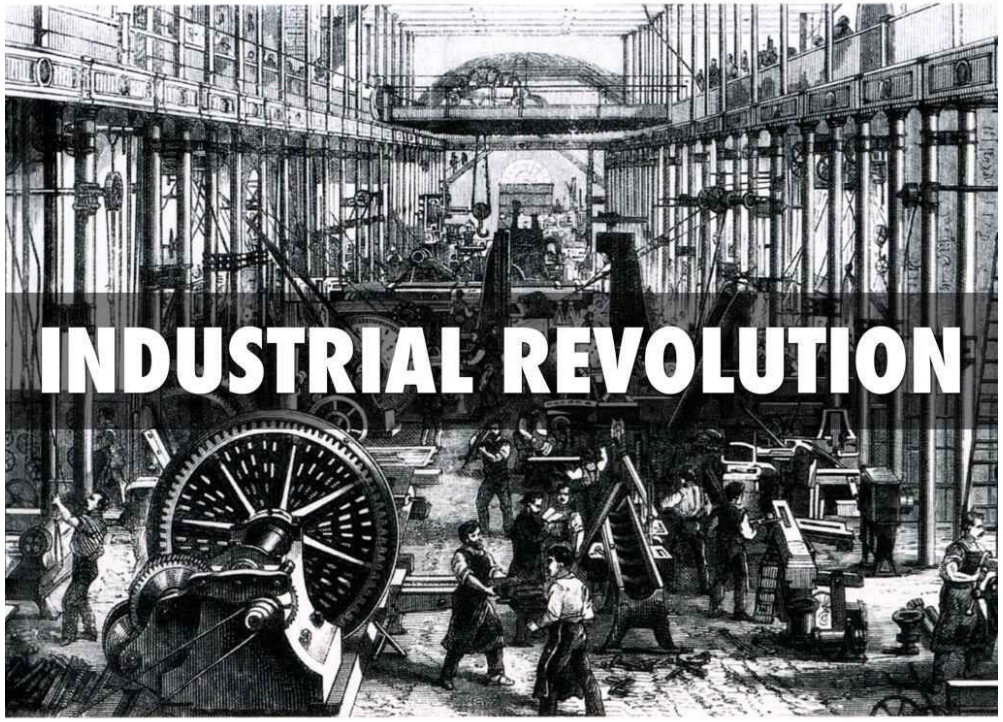
International Industrial Division. *Actavo* [online]. [2017-01-24]. Available at: http://www.actavo.com/?sectors=international-industrial-division

**+**

**Revolution**

Whatever Happened to the VDI Revolution?. *Virtualization Review* [online]. [2017-01-24]. Available at: https://virtualizationreview.com/articles/2015/07/13/whatever-happened-to-the-vdi-revolution.aspx

**=**




**"Industrial revolution"**

History of The Industrial Revolution. *History Discussion - Discuss Anything About History* [online]. [ 2017-01-24]. Available at: http://www.historydiscussion.net/history/industrial-revolution/history-of-the-industrial-revolution/1784

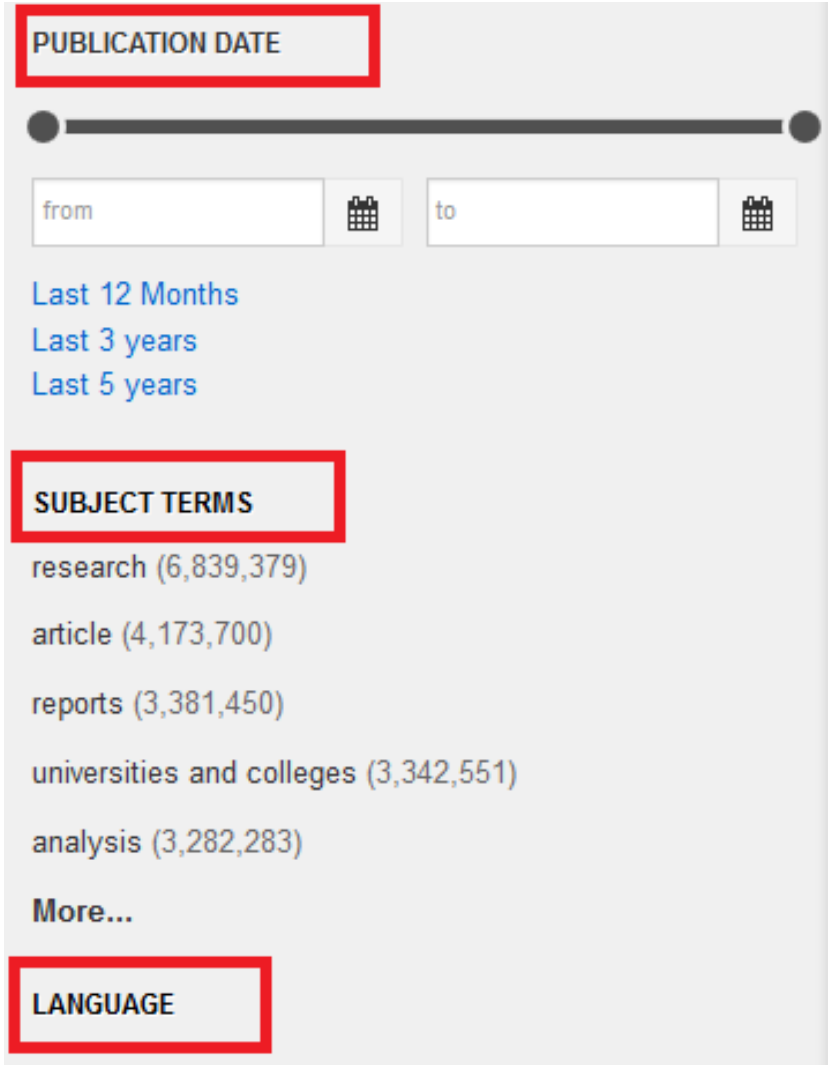
# Search like an expert

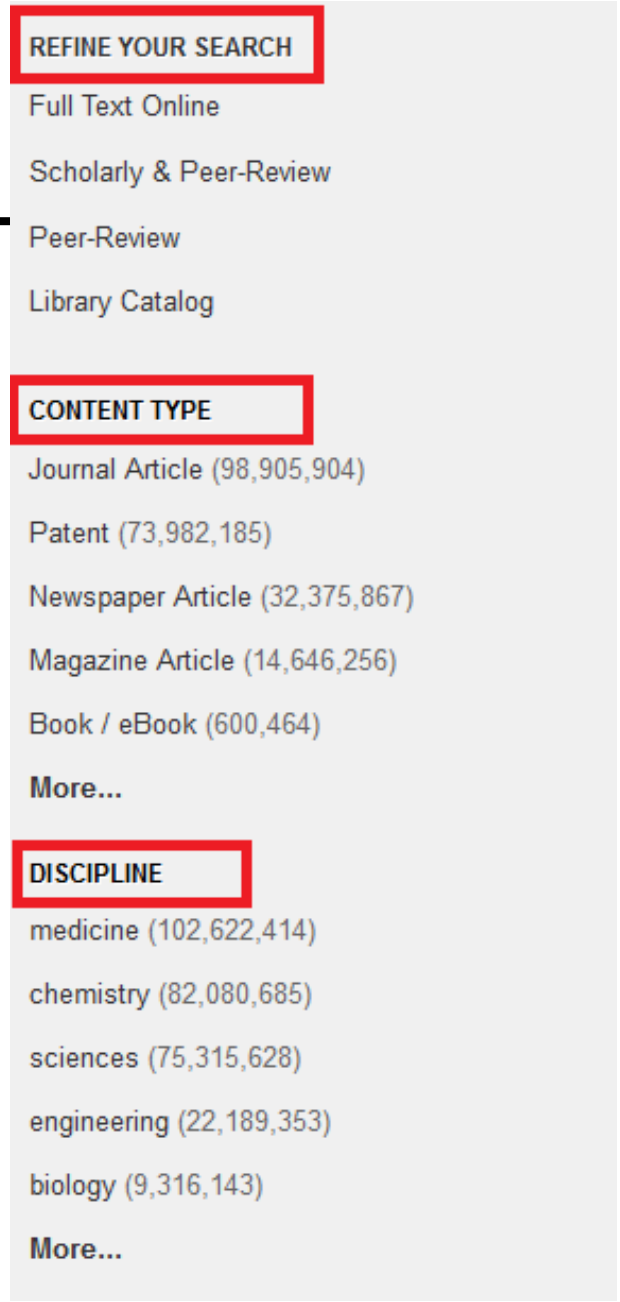
- Asterisk …* - search for a word with any suffix while keeping the root

| | | |
|---|---|---|
| **industr*** | **environ*** | **architec*** |
| **industry** | **environment** | **architect** |
| **industrial** | **environmental** | **architecture** |
| **industrialism** | **environmentalism** | **architectural** |
| **Industrialization** | | **architecturally** |

# Search like an expert

- Filters - narrow results by various criteria



# Search like an expert

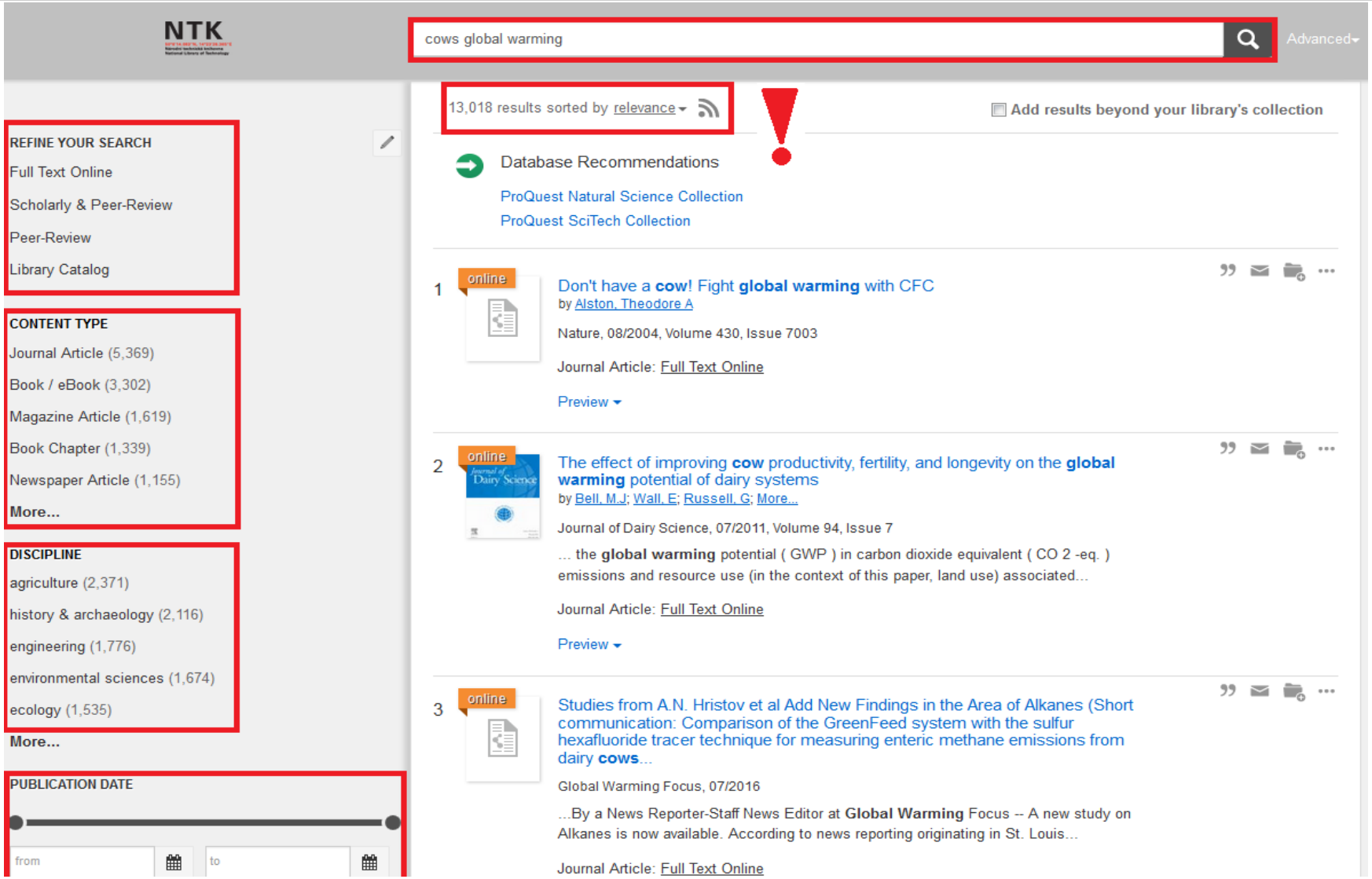
- basic search:

sci-fi **AND** robot **AND** literature

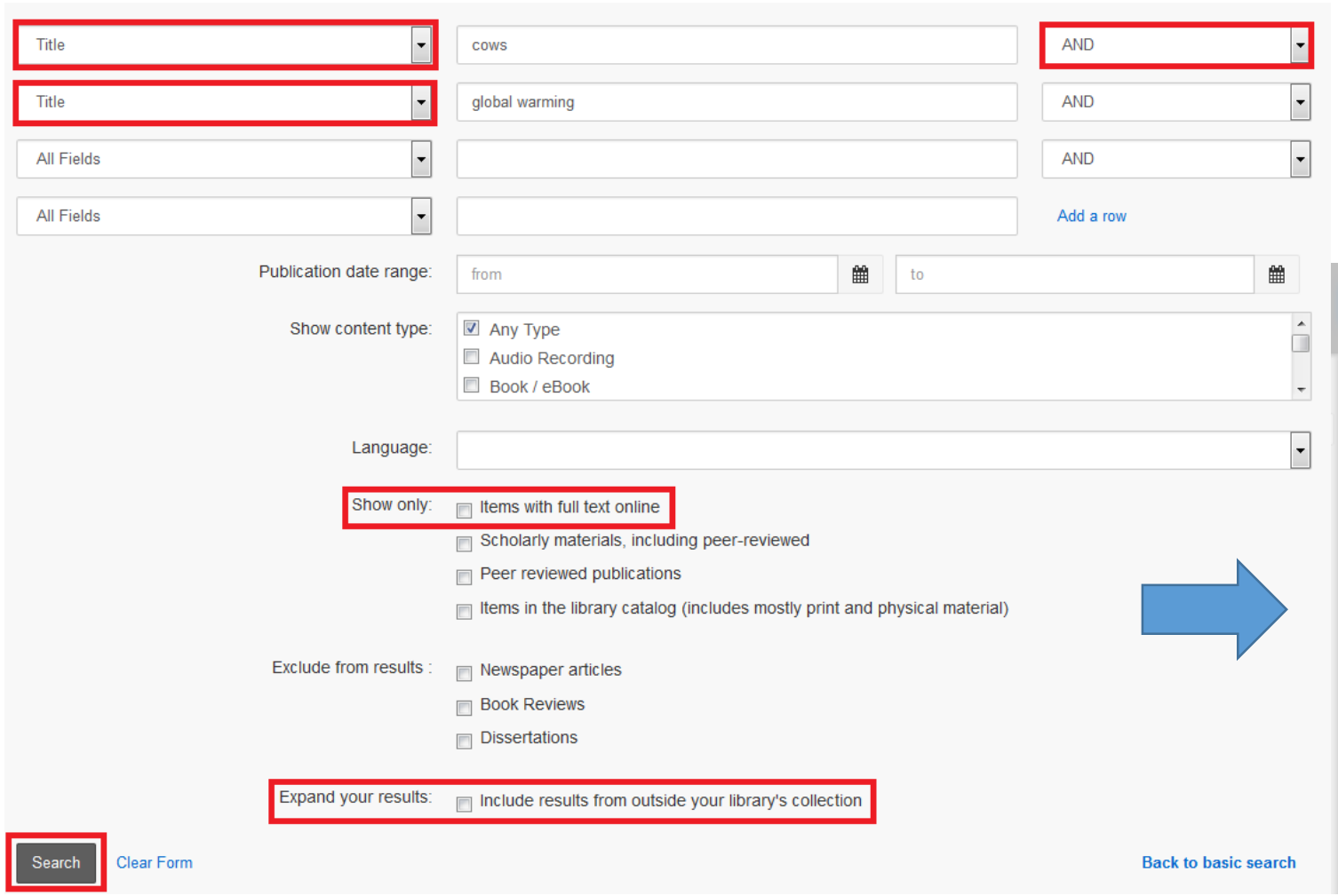
- expert search:

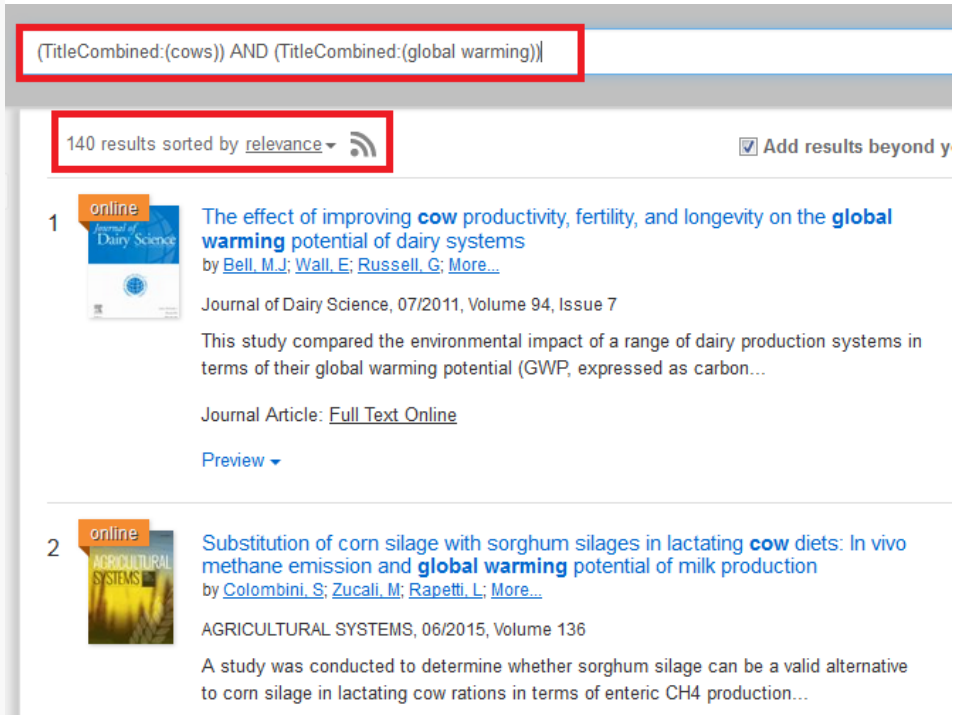
("science fiction" **OR** "sci-fi") **AND** (robot* **OR** "artificial intelligence") **AND** (literature **NOT** (movie **OR** film))

# Find it yourself

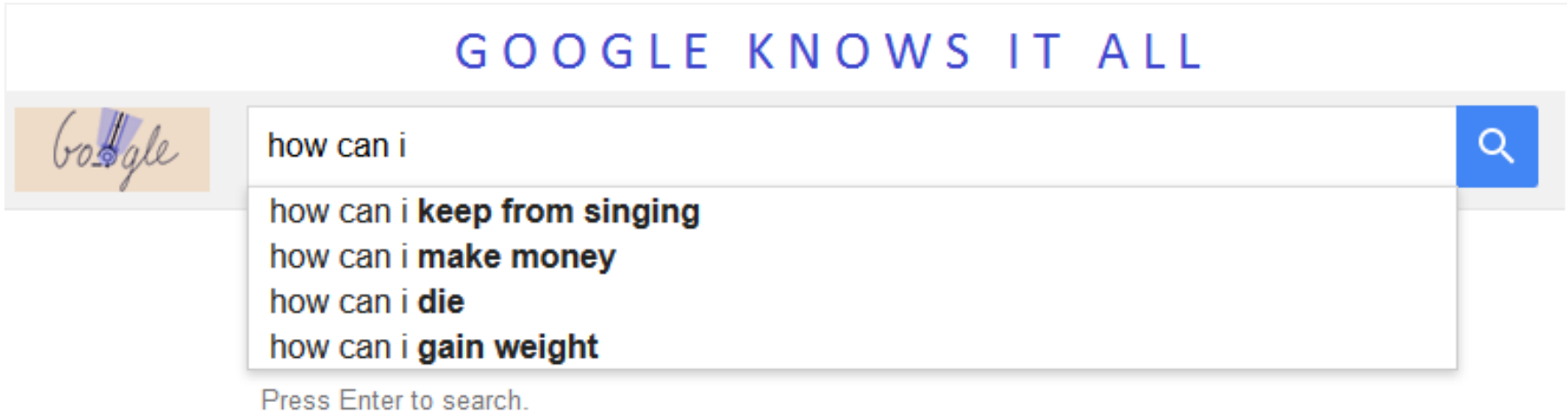


# Narrowing results



# Google it – but “google it” right

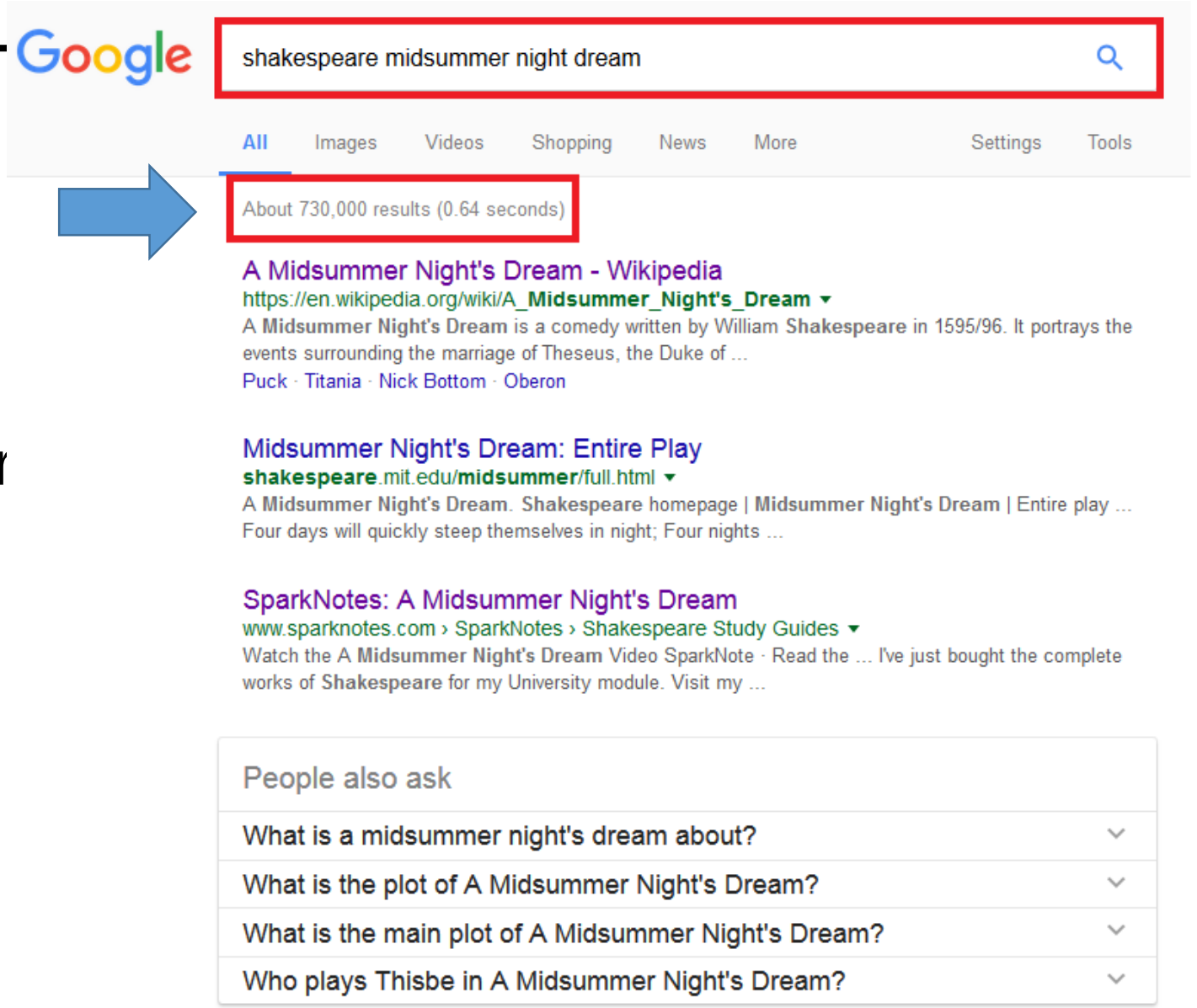



Google

Google scholar

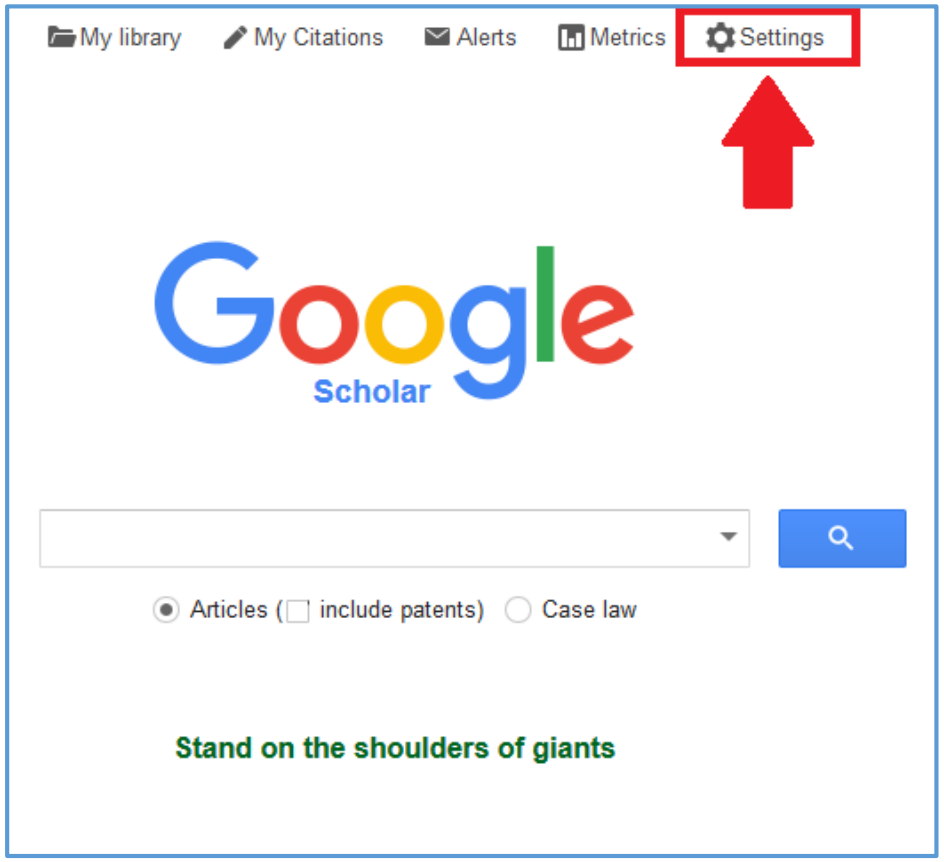
# Google vs. Google Scholar

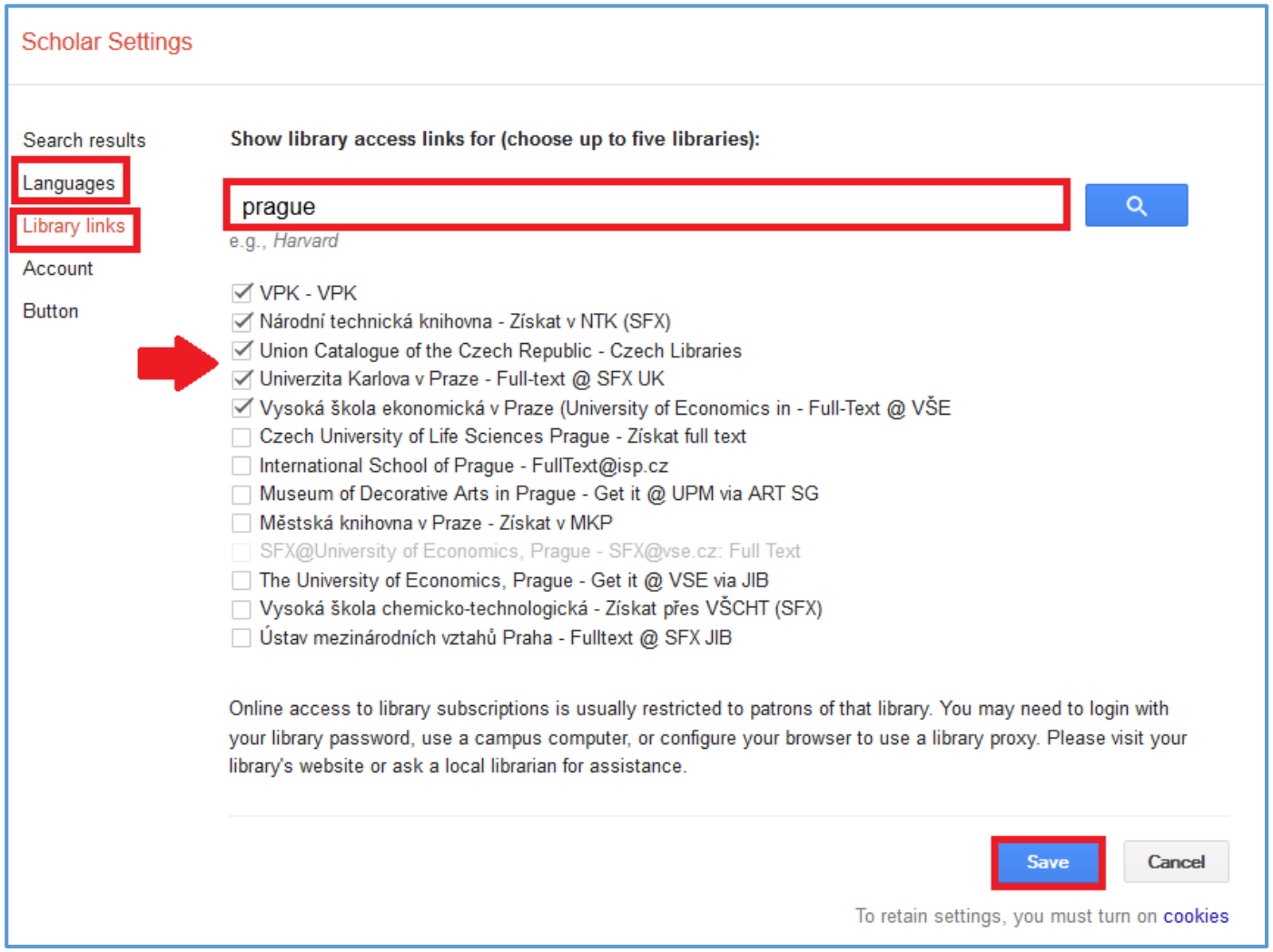
- Many results don't always mean success
- Results might be irrelevant, unverified, or just silly…



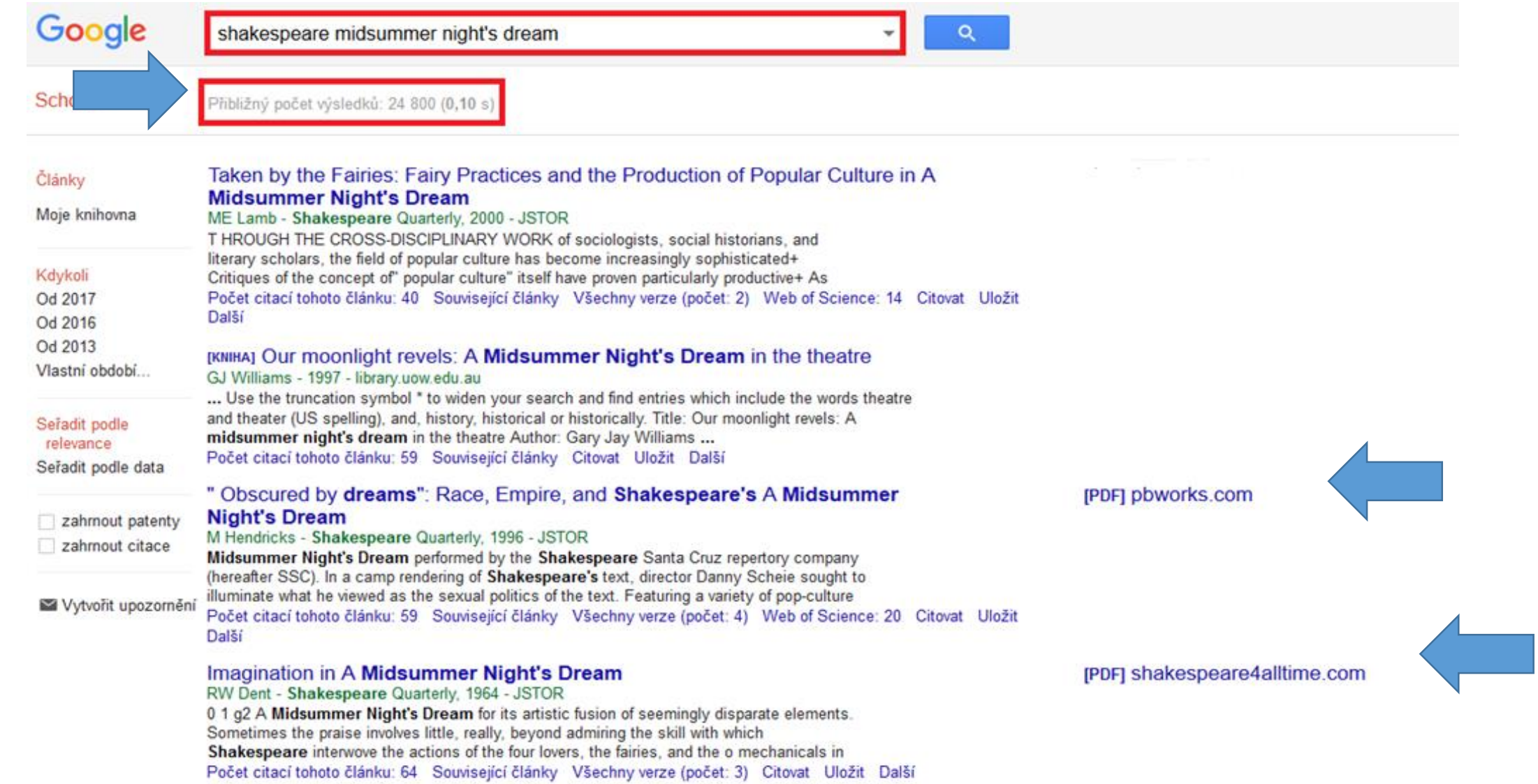
# Find it with Google Scholar

[scholar.google.cz](scholar.google.cz)



# Google vs. Google Scholar



# Excercise!

The NTK Midsummer Research Challenge!

Shakespeare (Big Willy) Funny Poster. In: *Shakespeare (Big Willy) Funny Poster* [online]. ©AllPosters.com [5.9.2016]. Available at: http://www.allposters.com/-sp/Shakespeare-Big-Willy-Funny-Poster-Posters_i9843569_.htm

# Citations

- Don’t forget to properly **cite** all information you borrow from somewhere else! Or else you might be accused of **plagiarism**.
- …but more about that another time.

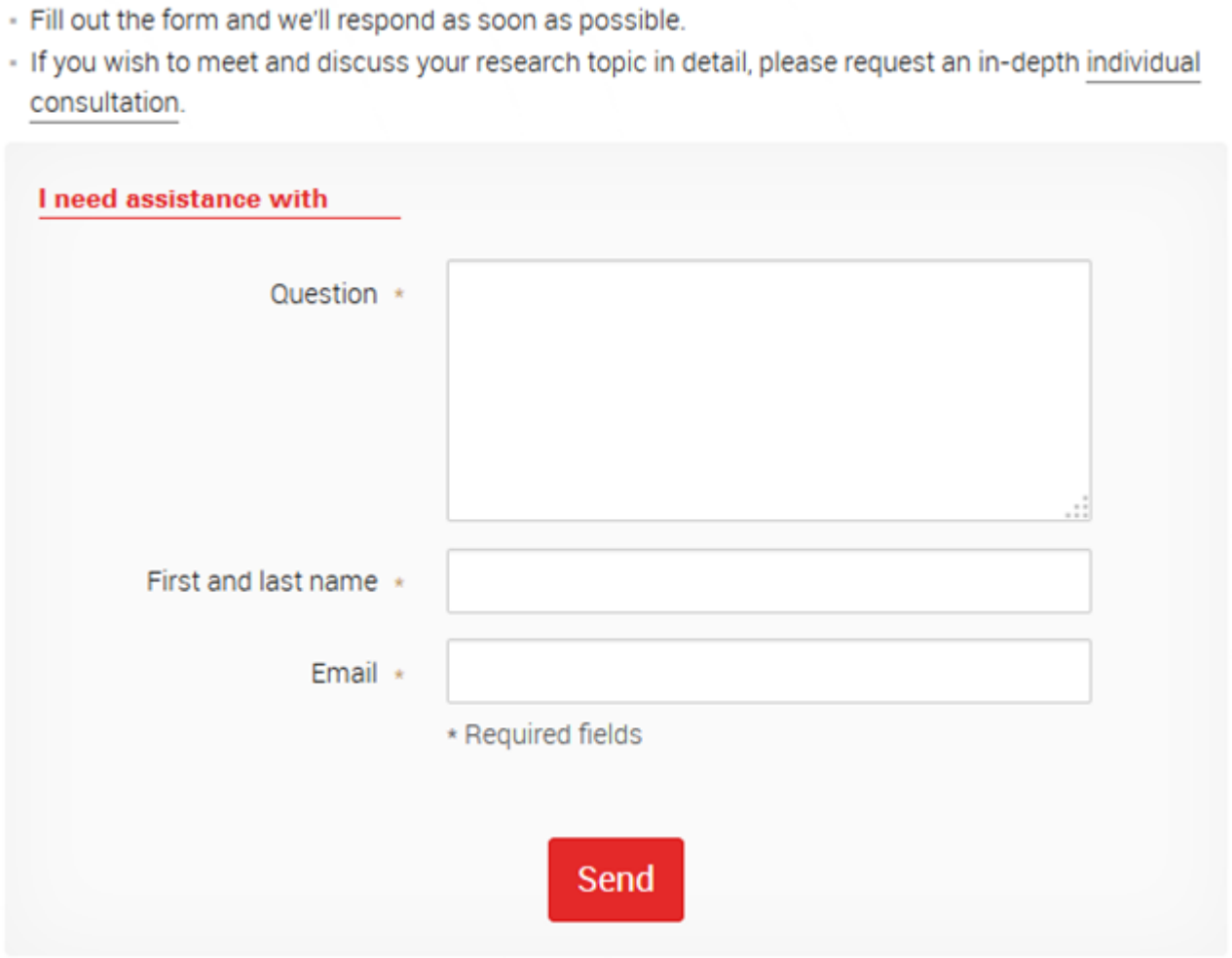
# Potentially useful links

- Tricks for googling here and here

- Search the NTK: techlib.cz
- Search the Czech libraries: Knihovny.cz
- Search the universe of science: Google Scholar
- Search freely accessible journals: DOAJ
- Search „academic PirateBay“: SciHub

# Questions? Ask us any time

- Ask us!




## FAQ

- I cannot find a particular article/book/map/standard
- I don’t know where to look for sources for my essay/thesis
- I have trouble using a citation manager (Zotero, CitacePRO)

# Librarians are humans, too