Terrascope & the MIT Libraries
Mission 2017: Global Water Security

Chris Sherratt, Jennifer Greenleaf, Anne Graham, Heather McCann, Michael Noga, Daniel Sheehan
your librarians
Why we are here today

• You must evaluate the information you find
• You must engage with the scientific literature
• It’s important to decide where to search
• In research, starting points are probably not ending points
• We buy books, and lots of online information for MIT… and we provide tools to find it
What we’ll do today

• Set up 2 ways to ease access to full text
• Bookmark the Libraries’ 12.000 page
• Find and send yourself 2 or 3 references
• Meet the librarians
• Think about the value-add of the Libraries
Scholar.google.com
For all browsers Setting> Library Links> MIT

Google scholar

Stand on the shoulders of giants
Add our bookmarklet

libraries.mit.edu > Site search > Type in bookmarklet > Click first result (Inserting the Proxy String...) > Drag the Reload button into your bookmarks bar
Off-Campus Access to Electronic Resources:
Inserting the Proxy String with a Bookmarklet

Many online journals require subscriptions (which the MIT Libraries pay for) to get access.

If you are on campus, access can be relatively seamless since authentication is usually established by IP address (e.g. if you have an MIT IP address, the publisher recognizes it and lets you in).

If you are off campus, then you need to be routed through the Libraries' proxy server, which will bring you to MIT's Touchstone, where you can either invoke your MIT web certificates or use your Kerberos login to get access.

Going to a journal through Vera will always route you through our proxy server.

However, many people like to just search for a journal using Google and go directly there. To get your browser to route you through the library proxy server, you can simply try the following:

Drag this button up to your bookmarks toolbar in your browser:
(or right-click to save it to your favorites toolbar)

You'll see a new button in your toolbar, that will look like this:

You can rename the button by right-clicking (or control + click on a Mac) and editing the bookmark's properties.
Navigate to the class page
GO TO libraries.mit.edu FIND Expert help > Class & program guides > Fall 2013 > 12.000

Bookmark!
Note the Tabs, especially Books
Then consider what you need

- For books, Barton: MIT Libraries catalog
- For articles, you have options
  - Google Scholar
  - BartonPlus
  - Library Databases
First, find Barton

*It moved!*
Think about your **keywords** and **where** you search:
- global water
- transboundary
- water rights
- rivers
- water supply
- asia
You can mark or email from the results list

<table>
<thead>
<tr>
<th>Author</th>
<th>Karapatakai, Christina.</th>
</tr>
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<tbody>
<tr>
<td>Title</td>
<td>Techno-economic analysis of water management options for unconventional natural gas developments in the Marcellus Shale / by Christina Karapatakai.</td>
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<tr>
<td>Online Access</td>
<td>Click button for available online volumes</td>
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<td>Find it in the library/Request item</td>
</tr>
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<td>Format</td>
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Or from one full record
# A book for Team 2-3

<table>
<thead>
<tr>
<th>Record 1 out of 1</th>
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<tr>
<td><strong>Author</strong></td>
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For articles, where to start?

Water Resources Abstracts
Basic Search | Advanced | About

Welcome to BartonPlus,
What is BartonPlus? search water rights and Nile river
A big list you can browse and cut down
Egyptian Needs and the Water Resources Under the Agreements Among the Nile River Basin Countries.

Authors: Zaghboul, Ezzat Awad
         Ismail, Asham A.H.
         Ali Hassan, Hatham Bayoumi
         Rad El Gebaly, Mahmoud

        Issue 4, p129-136. 8p. 3 Charts, 2 Graphs.

Document Type: Article

Subject Terms: "WATER supply
               "WATER demand management
               "POVERTY
               "SCARCITY
               "BASENS (Geology)
               EGYPT

Geographic Terms: NILE River Watershed
                  NILE River
So why library databases?

Use Databases to Find Articles

Some articles live on the open Web, but many do not. Use the Libraries' databases to find these and go right to the full text when we subscribe. Time savers!

- **Water Resources Abstracts**
  Covers all aspects of water resources: supply, treatment, pollution, and more, from 1967+

- **Web of Science (ISI Web of Knowledge)**
  Good for articles from many disciplines. Limit to SCI for science; SSCI for policy and economics.

- **Environment Index**
  Useful for finding environmental policy articles

- **Compendex**
  covers all fields of engineering

- **Political Science Complete**
  Good source for articles, reference books and conference papers in political science.
... they get really focused results
(example: biofuels and water)
Protecting water resources in biofuels production

Abstract (summary)  Translate
The Energy Independence and Security Act of 2007 mandates a five-fold increase in current biofuels production. This will substantially increase the current production of corn-based ethanol despite widespread concerns over its negative impact on the availability and quality of already stressed water resources. The National Academy of Sciences' (NAS) recently-released report on water use in biofuels production (principally corn-based ethanol) proposes improved on-farm irrigation efficiency and water recycling within biorefineries to reduce the impact on water availability. In a classic case of unintended consequences, we demonstrate that these measures may decrease the sustainability of biofuels production by increasingly stressing water supplies. Instead, these measures may be more effective in reducing the water quality impact of biofuels production—a role that the NAS report does not emphasize.
What if you still can’t see it?

• Be sure MIT subscribes to the journal and the year you need
  – Search in the ejournals bo
  – Search in Barton
• IF we don’t subscribe, ask for it on ILB
• Email us
Where to stash what you find

Libraries > Productivity Tools >

Overview of citation software at MIT: Managing your references

What is citation software?

Citation software helps you to:

- import citations from your favorite databases and websites.
- build and organize bibliographies.
- format citations for papers.
- take notes on articles and save them in your collection of citations.
- save and organize PDFs, screenshots, graphs, images, and other files for your research.

Which program is right for you?
We have study and practice rooms

Barker’s Media Room, 5th floor
And Statistica

Projected increase in global annual water demand from 2005 to 2030, by region and sector (in billion cubic meters)

- China: 178 (300) 54
- India: 338 (89) 40
- Sub-Saharan Africa: 320 (26) 92
- Rest of Asia: 243 (117) 80
Any final thoughts or questions?
12-lib@mit.edu Enjoy!

MEET the TEAM