



On the wild frontier of discovery

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What we'll cover today

- What are Web-scale discovery services?
- How do they differ from federated searching?
- Comparison of the available commercial services
- Selecting and implementing a discovery service
- Informal overlap study including discipline-specific databases and tools like Google Scholar
- Local experiences
- Open discussion

ResearchWorks (Archives & Pub

ResearchWorks Service

Provides faculty, researchers and students with tools to archive and/or publish the products of their research including data sets, monographs, images, journal articles and technical reports



Using Aerial Photo Index



Learn how to use individual aerial photos to cover your research area by reading from the Map of Aerial Photo Index

Time 03:11 | [Play video](#)

Ethnic Newswatch

Full-text, 1959-present
Ethnic, minority, and native publications. Includes

Factiva

Mostly full-text, 1980s-present

UW Digital Collections »



U.S. News Source

U.S. News Source
1980s-present

Media Center (CDs, DVDs, and more)

Media Center (CDs, DVDs, and more)

Largest academic audiovisual media collection in the NW



Premier collection of maps in Washington state.



ted

(Perpetual Access)) 01/01/1997 to 12/31/2009,

icles written about a particular topic

Government Publications

Government Publications

A depository for publications from the US Government, Canada, the United Nations, the European Union and the State of Washington



Special Collections »

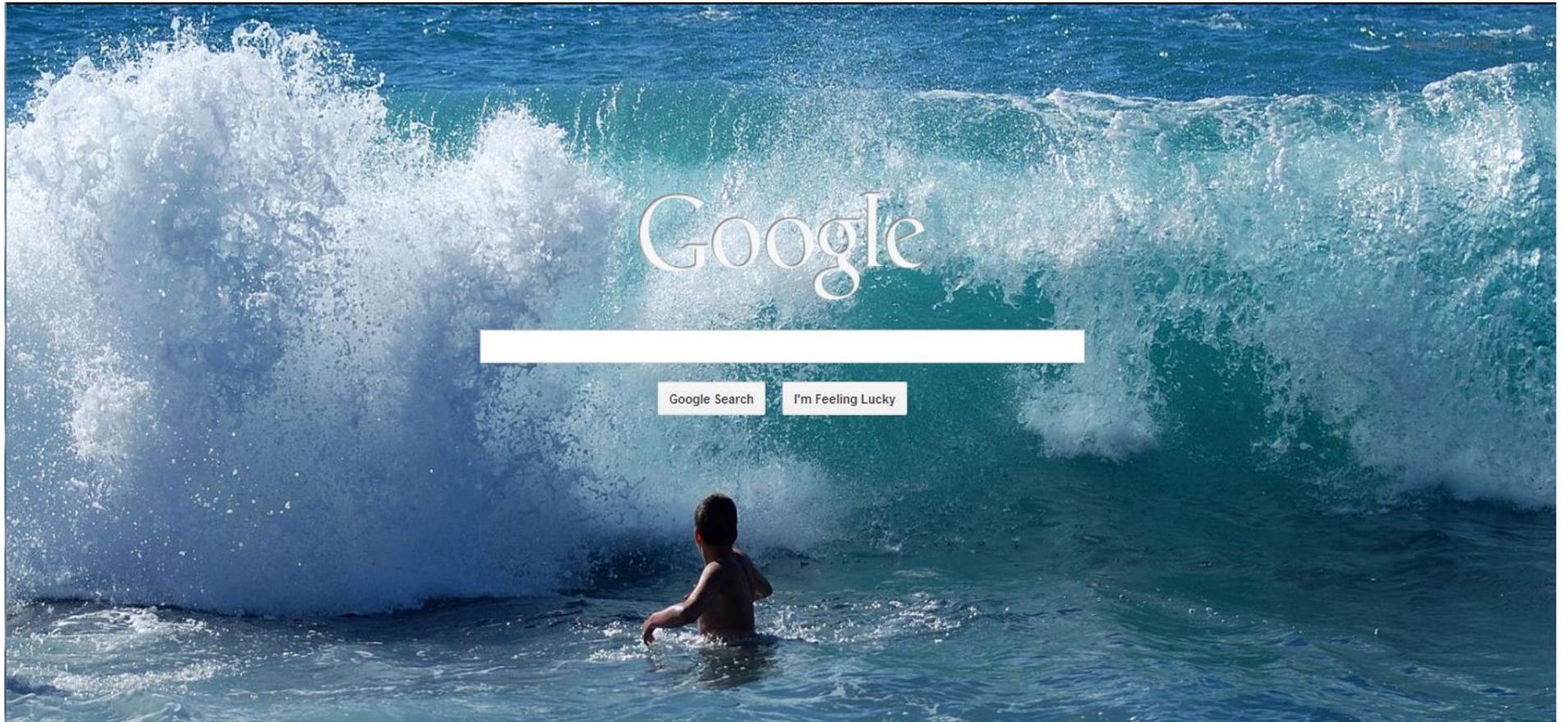


Library Press Display

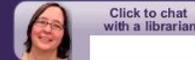
Newspaper page images, last 60 days only
Online images of paper newspapers published around the world. 60-day back issue access, limited to 5 concurrent users.

Newspaper Source Plus

Full-text, 1990s-present
Newspapers, television and radio broadcast



Faced with this tidal wave of information,
users prefer a single search box.



FIND IT >>

browse collections, resources and recommended starting points

- Articles & Research Databases
- Course Reserves
- E-Journals
- E-Newspapers
- Subject Guides
- [more >](#)

LIBRARY TOOLS >>

- Citation Guides & Tools
- Off-campus Access Tools
- Mobile-Friendly Tools
- Alert Services
- Library Feeds
- [more >](#)

UW WORLDCAT: SEARCH UW LIBRARIES AND BEYOND >>

Books Video Audio Articles All

Search All

Advanced search | Help Search with WorldCat

UW-only Catalog

USING THE LIBRARIES >>

- Your Library Account
- Pay Fines
- Reserve a Study Space
- Connect from Off-Campus
- Interlibrary Loan
- [more >](#)

ABOUT THE LIBRARIES >>

- Libraries & Hours
- Staff Directory
- Employment & Fellowships
- Support the Libraries
- Building Sustainable Futures
- [more >](#)

HOW DO I...?>>

How do I Get Started with Industry Research?

 Are you doing research on an industry but aren't sure where to start? This tutorial will show you the best places to start your research.

Time 03:49 | [Play video](#)

[more online help >](#)

UW Digital Collections >>



UW Special Collections >>



Pacific Fisherman Journal, 1903-1911

ONLINE



UNIVERSITY LIBRARIES
UNIVERSITY of WASHINGTON

content.lib.washington.edu/pacfishweb/

SPOTLIGHT >>

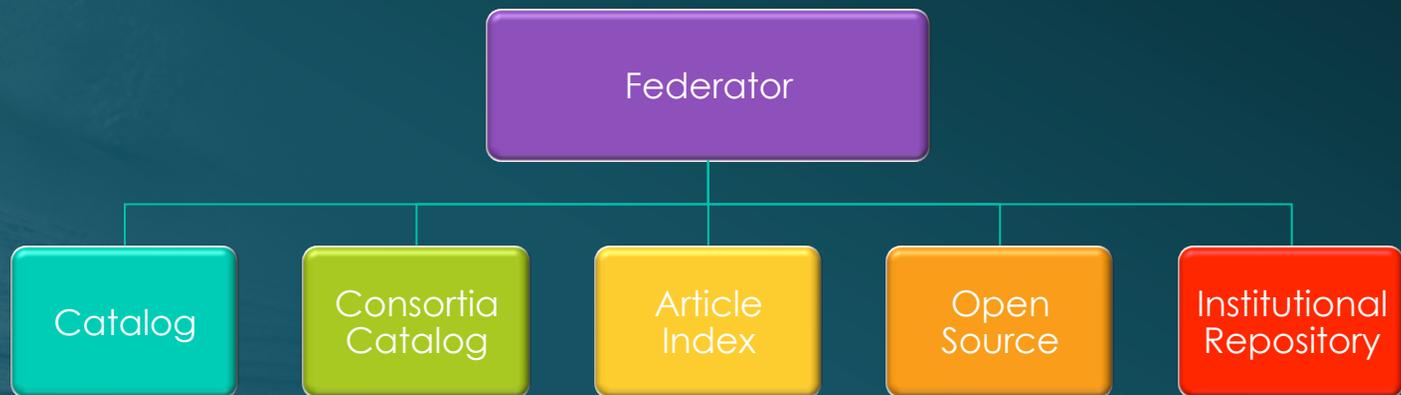
- E-News: Transforming Spaces and Services, Husky Reels, UWV Receives 150th Artwork
- Summer 2012: Odegaard Undergraduate Library Closed for Renovation
- Try our site help feature and get a chance to win \$50! Click on the green Site Help button on the right
- [more >](#)



Simultaneous searching of information silos



Federated Searching





Easy Search Results

Search Term(s) Entered: Keywords

[+/-](#) Related terms:

Finished Searching

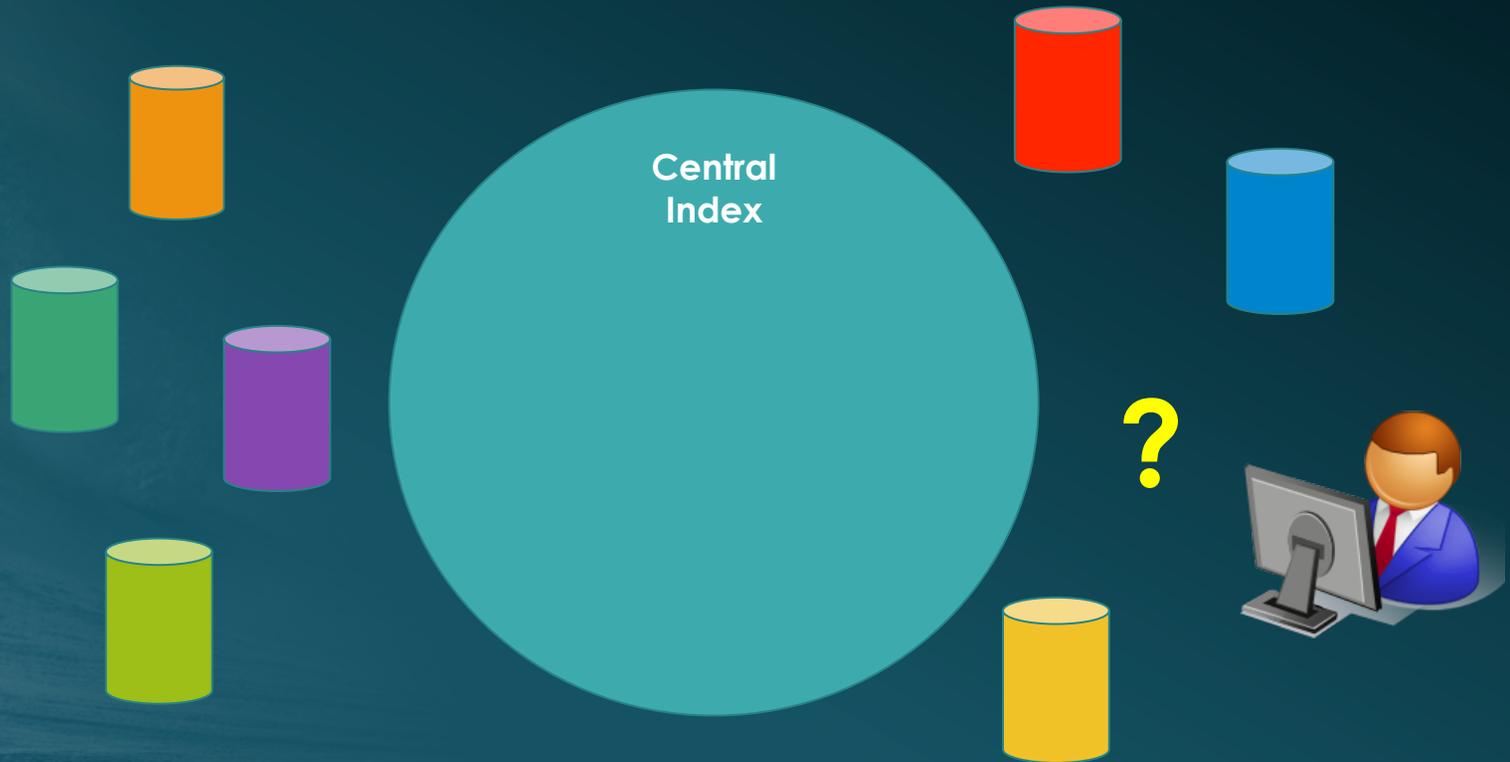
Journal and Magazine Articles (major databases)

Academic Search Premier PLUS (Ebsco)	186 MATCHES 6 PHRASE 15 TITLE
→ Scopus	274 MATCHES 6 PHRASE 31 TITLE
Web of Science [Social Sci, Sciences, Medicine, Humanities, Engineering]	180 ARTICLE MATCHES

Books, Ebooks, Media in UIUC & Illinois Libraries

→ University of Illinois Library Classic Voyager Catalog	7 MATCHES
University of Illinois Library VuFind+ Catalog	16 MATCHES 6 PHRASE 1 TITLE
I-Share Library Catalog [state-wide Illinois, academic]	36 CATALOG MATCHES
→ Springer Ebooks	392 CHAPTERS 1 PROTOCOL
Elsevier Ebooks	6 E-BOOK MATCHES
Google Books	1880000 E-BOOK MATCHES
Hathi Trust Ebooks	2 E-BOOK MATCHES

Web Scale Discovery



sea turtle migration



Search

Libraries to search: Libraries Worldwide

Limit to full text articles

[Advanced Search](#)

Print Share Ask Us!

Chat with a librarian

Search results for 'sea turtle migration' limited to Libraries Worldwide

Databases (43)

- [WorldCat.org](#) (656)
- [WorldCat](#) (226)
- [ArticleFirst](#) (154)
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- [BioOne](#) (102)
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Available online

Full text articles

Format

All Formats (681)

- Article (449)
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 - Thesis/dissertation (26)
 - Microform (4)
- Archival material (37)

Results 1-10 of about 681 (.26 seconds) << First < Prev 1 2 3 Next >

Select All Clear All Save to: [New List] Save

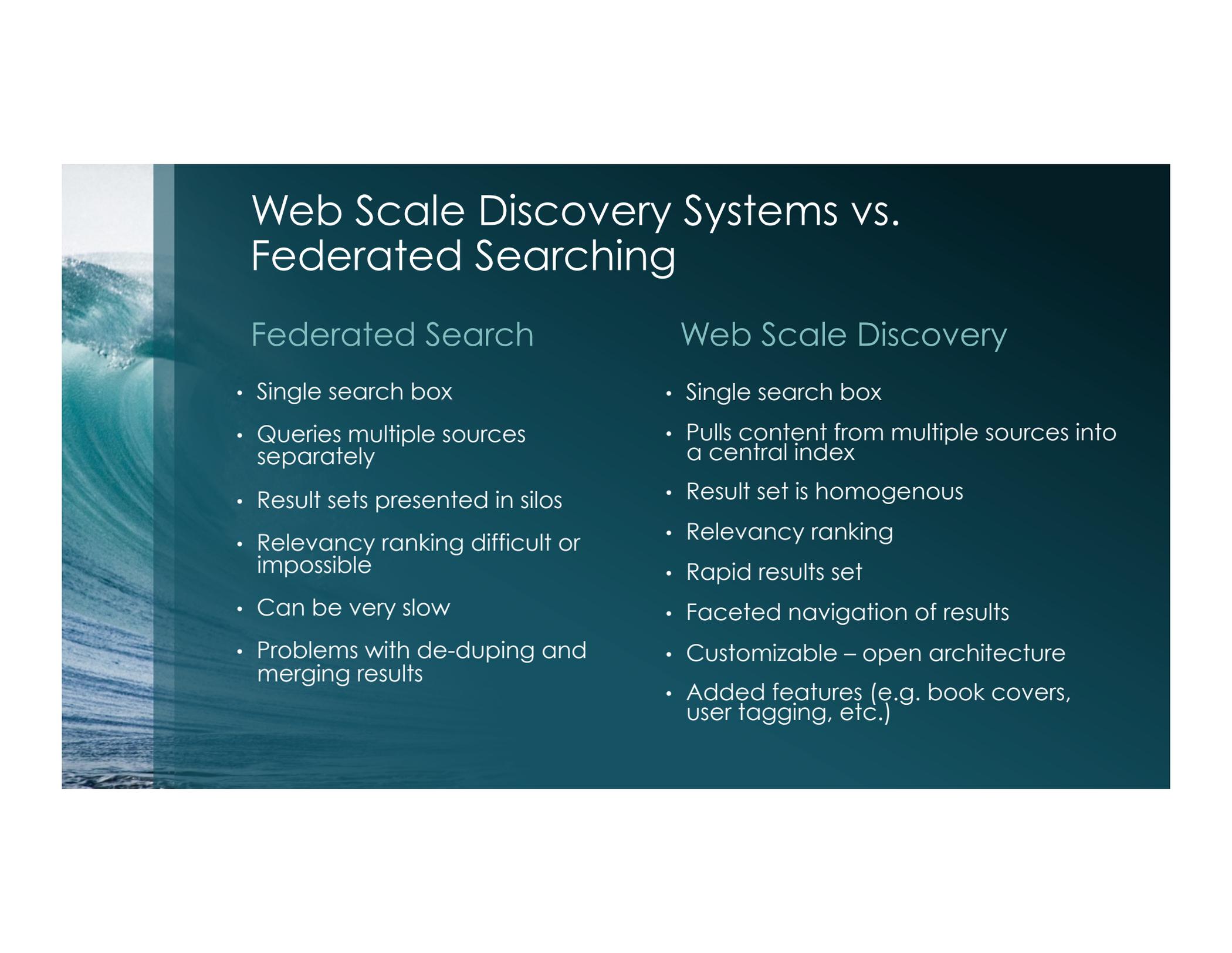
Sort by: Library and Relevance Save Search

Voyage of the turtle : in pursuit of the Earth's last dinosaur
by Carl Safina
 Book
Language: English
Publisher: New York : Holt, 2006.
Database: WorldCat
Libraries that own this item: **University of Washington Libraries**
[Editions and formats >](#)

2. **Sea turtles of the world**
by Doug Perrine
 Book
Language: English
Publisher: Stillwater, MN : Voyageur Press, ©2003.
Database: WorldCat
Libraries that own this item: **University of Washington Libraries**
[Editions and formats >](#)

3. **Biology and conservation of sea turtles**
by Karen A Bjorndal;
 Book : Conference publication
Language: English

23.  **Orientation characteristics of immature Kemp's ridley sea turtles, *Lepidochelys kempii***
by Thane R. Wibbels; Southeast Fisheries Center (U.S.). Galveston Laboratory.
 eBook : Document : National government publication
Language: English
Publisher: [Galveston, Tex.] : U.S. Dept. of Commerce, National Oceanic and Atmospheric Administration, National Marine Fisheries Service, Southeast Fisheries Center, Galveston Laboratory, [1984]
Database: Electronic Books
Libraries that own this item: [University of Washington Libraries](#)
[View Now](#) [Editions and formats »](#)
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24.  **The ecology and migrations of sea turtles : 7, The West Caribbean green turtle colony**
by Archie Fairly Carr; Marjorie Harris Carr; Anne Barkau Meylan
 Book
Language: English
Publisher: New York : American Museum of Natural History, 1978.
Database: WorldCat
Libraries that own this item: [Summit Libraries](#)
[Editions and formats »](#)
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25.  **Oceanic migration of sea turtles**
by Stephen J. Morreale
 Thesis/dissertation : Thesis/dissertation
Language: English
Publisher: C1999.
Database: WorldCat Dissertations and Theses
Libraries that own this item: [WorldCat Libraries](#)
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Web Scale Discovery Systems vs. Federated Searching

Federated Search

- Single search box
- Queries multiple sources separately
- Result sets presented in silos
- Relevancy ranking difficult or impossible
- Can be very slow
- Problems with de-duping and merging results

Web Scale Discovery

- Single search box
- Pulls content from multiple sources into a central index
- Result set is homogenous
- Relevancy ranking
- Rapid results set
- Faceted navigation of results
- Customizable – open architecture
- Added features (e.g. book covers, user tagging, etc.)

Web Scale Discovery Systems: Commercial Providers

- **OCLC** – WorldCat Local
- **Serials Solutions** – Summon
- **Ebsco** – EDS (Ebsco Discovery Service)
- **Innovative Interfaces Inc. (III)** – Encore Synergy
- **ExLibris** – Primo Central





UW Experience

- Beta launched April 30, 2007

DRIVERS:

- Dissatisfied with “next-gen” catalog options
- Didn’t like federated search option
- Users wanted a simple and direct search
- Need to make things easy to GET and FIND
- Information in too many "silos"



UW Experience Cont.'

CHALLENGES—

- Working with a product that was changing constantly
- Difficult to find “known items”
- Librarians didn't like the limited search options (can't search by LC subject heading, etc.)
- When it first started there weren't enough article citations
 - Medline
 - Eric
 - Article First databases
 - GPO Monthly Catalog
- Then OCLC added 20 million citations from the British Library—all academic general interest and use skyrocketed
- Now there are 663 million article citations!



UW Experience Cont.'

GET IT SILOS:

- Three library resource silos:
 - UW Libraries catalog requesting
 - Consortial (Summit catalog) requesting
 - Interlibrary Loan
- With WorldCat appropriate fulfillment options are in the record display.
- **In the first year, 59% increase in consortial (Summit) borrowing**
- **101% increase in Interlibrary Loan**



User comments

- “As a general rule, I would say the discovery service does an excellent job covering all disciplines. If you start really in-depth research in a specific discipline, it starts to break down. General searches are great . . . dive deeper into any discipline and it falls apart. For example, for a computer science person, at some point they will want to go to ACM or IEEE directly for deep searches.”
- Related to this, “the catalog is still important, if you want to do a very specific search for a book record, the catalog is better. The discovery service does not replace the catalog.”

Information Technology and Libraries, vol. 32, no. 1, 2012, p. 10

<http://ejournals.bc.edu/ojs/index.php/ital/article/view/1916/1744>

“Investigations into Library Web Scale Discovery Services,” by Jason Vaughn