An Embedded Librarian Working in the Bureau of Ocean Energy Management

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What is the Bureau of Ocean Energy Management ?

➢ The Bureau of Ocean Energy Management (BOEM) is a bureau within the U.S. Department of the Interior.

➢ BOEM and its sister agency, the Bureau of Safety and Environmental Enforcement are the agencies that exercise the oil, gas, and renewable energy-related management functions formerly under the purview of the Minerals Management Service. Specifically, BOEM activities involve resource evaluation, planning, and leasing.

➢ BOEM is the Federal agency responsible for overseeing the safe and environmentally responsible development of energy and mineral resources on the Outer Continental Shelf (OCS).

BOEM's Mandate

Congressional Mandate

"It is hereby declared to be the policy of the United States that ... The Outer Continental Shelf is a vital national resource held by the Federal Government for the public, which should be made available for expeditious and orderly development, subject to environmental safeguards, in a manner which is consistent with the maintenance of competition and other national needs."

Outer Continental Shelf Lands Act of 1954 -- 43 U.S.C. § 1332(3)

BOEM Overview

➢ The OCS leases provided 18 percent of all oil and over 5 percent of all natural gas produced in the U.S., with the vast majority coming from Gulf of Mexico leases.

➢ Responsible for managing 1.7 billion acres on the OCS
  • Analysis of prelease activities through facility decommission

➢ Day-to-Day
  • ~5,200 leases
  • ~28 million acres leased
  • ~3,400 production platforms
  • ~33,000 miles of pipeline
  • ~35,000 offshore workers
  • >150 designated operating companies

National Environmental Policy Act (NEPA)

➢ Provides the framework for protecting the environment by disclosing decision consequences

➢ Requires Federal agencies to consider environmental impacts of their activities

➢ Requires decisionmakers to incorporate environmental values into Federal programs

➢ Requires coordination with other Federal agencies with resource responsibilities

Environmental Impact Statements

➢ Council on Environmental Quality (CEQ) regulations require

➢ "full and fair discussion of significant environmental impacts and shall inform decisionmakers and the public of the reasonable alternatives that would avoid or minimize adverse impacts or enhance the quality of the human environment";

➢ the analyses should not be "encyclopedic" but restricted to resources with the potential to be impacted; and

➢ information that is unavailable or conclusions that are uncertain are disclosed

Potential Impact-Producing Factors

➢ Exploration, Development, and Production
  - ➢ Seismic Surveying
  - ➢ Drilling
  - ➢ Infrastructure (emplacement and removal)
  - ➢ Operational Wastes
  - ➢ Air Emissions
  - ➢ Offshore Transport (pipelines, service vessels, and helicopters)
  - ➢ Trash and Debris
  - ➢ Decommissioning
  - ➢ Coastal Support Infrastructure
  - ➢ Oil Spills

Environmental Resources

➢ Sensitive Coastal Environments
  ➢ (wetlands, barrier beaches, and submerged vegetation)

➢ Deepwater Benthic Communities

➢ Fisheries
  ➢ (fish resources and essential fish habitat)

➢ Endangered Species
  ➢ (marine mammals, sea turtles, and coastal and marine birds)

➢ Archaeological Resources
  ➢ (historic and prehistoric)

➢ Socioeconomics
  ➢ (demographics, economics, and environmental justice)

Relevant Federal Laws, Executive Orders, and Consultations

- National Environmental Policy Act
- Federal Water Pollution Control Act
- Marine Mammal Protection Act
- National Marine Sanctuary Act
- E.O. 12898: Environmental Justice
- Coastal Zone Management Act
- Endangered Species Act
- Magnuson-Stevens Fishery Conservation and Management Act
- Clean Air Act
- Tribal Consultation
- National Historic Preservation Act

Embedded Librarian – am I?

➢ What is an embedded librarian?

Embedded Librarians

"Embedded librarianship takes a librarian out of the context of the traditional library and places him or her in an "on-site" setting or situation that enables close coordination and collaboration with researchers or teaching faculty."

Carlson, J., & Kneale, R. (2011). Embedded librarianship in the research context: Navigating new waters. College & Research Libraries News, 72: 167–170. Retrieved 1 January 2016, from http://crln.acrl.org/content/72/3/167.full

Embedded Librarians

"Embedded librarianship, in which librarians leave the library to provide highly tailored information services to user groups with whom they are affiliated…"

Greyson, D. (2013). "You're just one of the group when you're embedded": report from a mixed-method investigation of the research-embedded health librarian experience. Journal of the Medical Library Association, 101(4): 287–297.

Of Environmental Impact Statements and Interlibrary Loans…

➢ Tasks related to BOEM Environmental Impact Statement (EIS) documents

 ➢ Verifying references and compiling bibliography for the EIS documents – requires regular communication with subject matter experts (SMEs) for the verification

  ➢ Some of the SMEs represented include marine biologists, meteorologists, oceanographers, underwater archaeologists, economists, geologists, anthropologists, and petroleum engineers

 ➢ Depositing PDF copies of references in Documentum/EDMS system

 ➢ Interlibrary Loans and other document delivery tasks for SMEs who write sections and chapters for the EIS documents

Verifying References in EIS Documents

➤ SMEs use parenthetical references for materials that they cite within an EIS.

    ➤ These materials can be peer-reviewed (e.g., journal articles) or grey literature (e.g., dissertations, master's theses, technical reports, conference proceedings, webpages, email communications, newspaper articles, etc.)

➤ I compile the bibliography for the EIS, and I "reconcile" these parenthetical references with bibliographic citations in the bibliography itself.

Parenthetical Reference Example and the Bibliographic Citation

➢ (Terrens and Tait, 1996)

➢ Terrens, G.W. and R.D. Tait. 1996. Monitoring ocean concentrations of aromatic hydrocarbons from produced formation water discharges to Bass Strait, Australia. SPE 36033. Presented at the Society of Petroleum Engineers International Conference on Health, Safety, and Environment, New Orleans, LA, June 9-12, 1996. Pp. 739-747.

Depositing PDF Copies of References in Documentum/EDMS System

➤ BOEM no longer has a physical (i.e., hard-copy) library

➤ Federal Regulations require that BOEM retain copies of materials cited in EIS documents

➤ SMEs retain PDF copies of materials that they cite in EIS documents

➤ I upload these PDF copies in an internal online repository (Documentum/EDMS) for the use of BOEM scientists, engineers, and other SMEs.

Interlibrary Loan and Other Document Delivery Tasks for BOEM Employees

➤ SMEs need to keep up with new information and developments in their respective fields, especially as to how the new information and the developments relate to their work on EIS documents

➤ When materials are not readily available, the SMEs contact me about interlibrary loans and document delivery

Interlibrary Loan and Other Document Delivery Tasks for BOEM Employees

➢ I confirm that the requested resource is not already available to BOEM employees. Before using interlibrary loan and/or document delivery, I may use one or more of the following:

  ➢ a BOEM maintained repository (e.g., Documentum/EDMS and/or Environmental Studies Program Information System)

  ➢ via the Internet, using search engines (e.g., Google and/or Google Scholar, or Elektronische Zeitschriftenbibliothek (EZB))

  ➢ an external repository (e.g., arXiv.org, Biodiversity Heritage Library, Aquatic Commons, EconPapers, Defense Technical Information Center Report Collection, Searchable Ornithological Research Archive, Technical Report Archive and Image Library, or NASA Technical Reports Server)

  ➢ check CUFTS to see if aggregated full-text database is an option

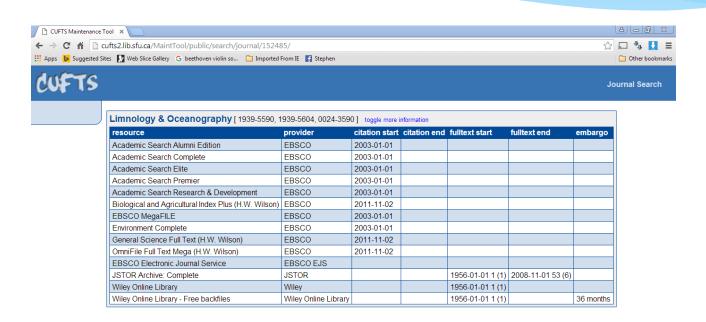 ➢ an aggregated full-text database (e.g., JSTOR, EBSCO, HeinOnline, and/or AAPG Datapages)

CUFTS Search

CUFTS Search

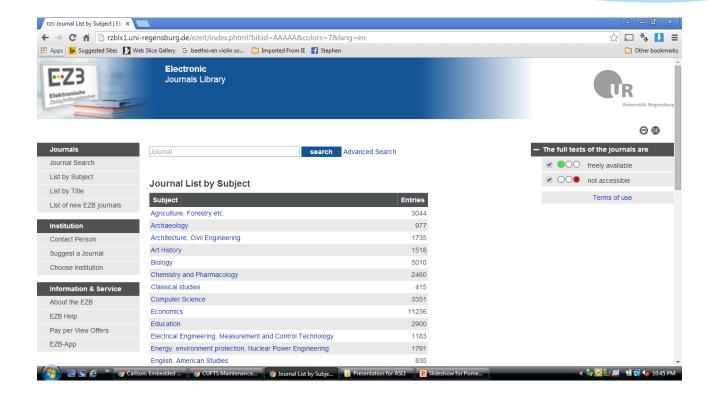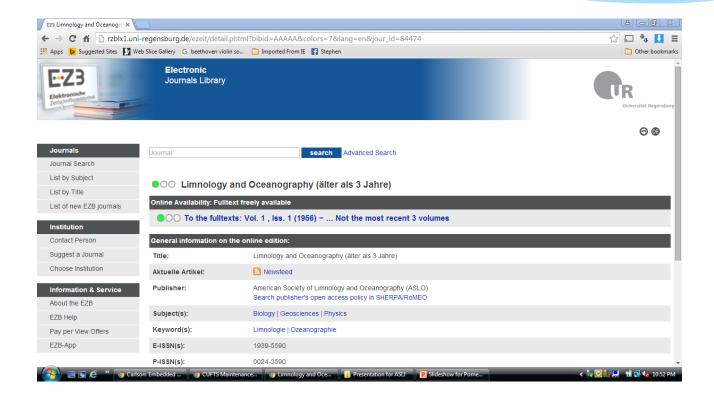# EZB Search

EZB Search

Interlibrary Loans and Document Delivery

➢ For interlibrary loans, I normally use OCLC's WorldShare Interlibrary Loan system

➢ If I can't obtain the resource via OCLC, I may attempt to contact the author(s) of the resource

➢ I may also post a query/request on a library-related discussion list or listserv (e.g., ASLI, Geonet, IAMSLIC, or FEDLIB)

Questions?

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