

Advanced Environmental Legal Research Summer 2018

This one-credit course will provide in-depth exposure to the most useful, efficient, and effective strategies and resources for environmental legal research, including environmental news/updating services, specialized information databases, environmental dispute resolution resources, science and statistics sources, state environmental resources, administrative law research, legislative history, archives of environmental information formerly on federal government web sites, and international environmental legal research. The course is designed to prepare environmental law students to research well while in law school and in practice.

Christine Ryan
Environmental Law
Librarian / Assistant
Professor of Law

Week 1 - T, Th, Fri 1 - 2:30
Week 2 - M, T, Th 1 - 2:15
Week 3 - M, T, Th 1 - 2:15

**The Research
Guide/Research Memo is
due on Friday, June 15,
before 3 p.m. in the
designated box in the
Registrar's Office area.**

Throughout the course students will use the resources and strategies being taught in the course to conduct research on a topic of their choice, reflecting what they have learned in this course, which they will assemble into a Research Guide/Memo.

Students: Come to the first class with a written description to hand in, of the environmental legal topic you intend to research. See *Research Guide Expectations* on the course TWEN site.

Choose a topic focused on U.S. environmental law, federal and/or state.

Textbook and Assignments:

Time will be spent more with hands-on research experience than with reading about research. For those who wish to consult them, legal research textbooks are available on Reserve.

Pre-Class Assignments:

It is essential that pre-class work be done before each class.

In-class work will build on pre-class work, and students will be asked about resources explored *and how they have applied resources to their Research Guides/Research Memos.*

TWEN Site:

The Syllabus and Research Guide/Research Memo Expectations are posted to the course TWEN site.

Office Hours:

I am here Monday – Friday, 8:30 - 4:00 and am happy to meet with students.

If you'd like to set up a specific time to meet, just let me know.

Grading:

Students will be evaluated on the quality of their Research Guide/Research Memo focused on an environmental issue of their choosing, reflecting what they have learned in this course, as well as class participation.

Class 1

Tuesday, May 29, 1 – 2:30

In Class: (This first assignment is, by far, the longest assignment for the course)

- Research Guide/Research Memo
- Research Strategy
- VLS Environmental Book , Ebook Collections, and WorldCat
- VLS Environmental Law Subscription Databases
- VLS LibGuide - Environmental Law Resources
- VLS Environmental Law Research Sources (ELRS) – Database of free web sites

Upon completion of this class, you will:

- Be successful in using the Advanced Search option and other features of an academic law library catalog as well as through WorldCat, the world's largest online catalog, to efficiently access environmentally-related books available on-site in the library, electronically, and at other libraries.
- Select and effectively use subscription databases that contain explanatory, analytical, and practical environmentally-related resources.
- Understand that you have an ethical and professional responsibility to conduct effective environmental legal research.

- Be competent in knowing how a comprehensive Environmental Law Resources LibGuide can lead researchers to just about anything they need.
- Effectively identify and locate environmental legal research free web resources using VLS's *Environmental Law Research Sources (ELRS)*, a database of judiciously selected and categorized web sites.

Pre-class Reading and Assignments and applying what you've learned to your Research Guide:

- Thoroughly read the Research Guide/Research Memo instructions on the TWEN site. Determine a title for your Guide and also write a description (one paragraph minimum to one page maximum) of your Research Guide topic. Choose a U.S. federal and /or state topic. You can add an international perspective, if you wish, but the focus must be on U.S. environmental law. **Print out a paper copy of this description and bring it with you to turn in during the first class.**
- Read: Law Library Basics
<http://nyulaw.libguides.com/content.php?pid=355864&sid=2910430>
Read two sections: Legal Research - Secondary Sources, and Legal Research - Primary Sources, as a research review.
- Read: Julien Guide (all sections) - <http://libguides.vermontlaw.edu/julien>
- Do an Advanced Search in Julien for something related to your Research Guide/Research Memo topic, and then limit your search results to material type: ebook. Browse your search results and actually open up at least one ebook.
- **WorldCat** (a free site)
<http://www.worldcat.org>
Explore. For identifying relevant books, it is almost unbeatable. It lists nearby (mostly academic) libraries that own the books. It also includes material beyond books, and often links to full-text material.
- **VLS Environmental Law Research LibGuide**
<http://libguides.vermontlaw.edu/EnvLawResources>
Become familiar with what is included in this Libguide.
- **VLS Subscription Sites:** Explore two environmental databases listed in the LibGuide.
- **VLS Environmental Law Research Sources (ELRS)** Access through the LibGuide noted above. Explore.
The VLS *Environmental Law Research Sources* is a collection of 500+ free websites organized by topic, with descriptions, selected in consultation with VLS faculty and students...

Class 2

Thursday, May 31, 1-2:30

In Class:

- Current issues in Environmental Law – how to keep up with the news.
- Environmental Dispute Resolution - We'll explore these resources together in class.

Upon completion of this class, you will:

- Be knowledgeable about a variety of environmental law and news sources including through use of resources included in the VLS Environmental Law Research Sources (ELRS) database.
- Have explored social media sites and discovered the vast array of environmental law news outlets.
- Understand the difference between a general environmental news feed and a specific news alert that is based on your individual, specific search query, and gain experience in setting up thoughtful and focused environmental news alerts.
- Be knowledgeable regarding a variety of environmental dispute resolution sources as well as strategies for learning about additional EDR sources.

Pre-class Assignments and applying what you've learned to your Research Guide/Research Memo:

- Go to <http://newsletters.findlaw.com/> and subscribe to at least one “newsletter” – your choice. (If asked for a password, keep clicking “cancel” and you’ll get to the site.)
- Choose one environmental news source from Environmental Law Research Sources (ELRS) <http://environmentalresearch.vermontlaw.edu/index.cfm> , and review the source.
- Find a news source related to your Research Guide/Research Memo topic or some other aspect of environmental law, using twitter, an app, facebook, reddit, etc. Be prepared to share recommendations in class.
- Set up a Google ***News*** Alert related to your Research Guide/Research Memo topic.
- Set up an alert using Westlaw, Lexis Advance, or Bloomberg Law.
- It is also possible to set up a Google Scholar Alert.

Class 3

Friday, June 1, 1-2:30

In Class:

- Specialized Internet resources

Upon completion of this class, you will:

- Have effectively used a variety of different types of specialized resources including a non-profit, non-advocacy environmental group which specializes in education of environmental law professionals, a mega legal research site, a legal organization site, law firm sites, and national and regional advocacy sites.
- Be aware of and recognize the biases that exist in different web sites.
- Be knowledgeable regarding how to critically evaluate the quality of a website before relying on the information the site provides, by considering authority, accuracy, comprehensiveness, and currency of the site.
- Learn how to access Environmental Information no longer available on federal government web sites through a VLS LibGuide. (In class, no pre-class assignment for this)

Pre-class Reading and Assignments and applying what you've learned to your Research Guide/Research Memo, if applicable:

Read, with possible future membership in mind:

Environmental Law Institute

<http://www.eli.org/>

Quote from ELI site: "If you think all environmental law group affiliations are alike, the Environmental Law Institute® will make you think again. As an ELI Associate, you get thought-provoking analysis, incomparable opportunities for networking and career development, free seminars and policy forums, and instant information access. You are also a key part of an independent research and educational institution that has challenged the conventional wisdom, and worked hard to better the protection of the environment and the well-being of society."

If interested, sign up for a **complimentary student one-year membership** by clicking on Get Involved > Become a Member from the main ELI page.

Explore a variety of free specialized environmental law web sites, listed below; note who is producing them and their useful features. Apply what you've learned to your Research Guide/Research Memo, if applicable:

Cornell Legal Information Institute - Law by Topic – Environment

Overview and Resources sections

http://www.law.cornell.edu/wex/environmental_law

ABA Section of Environment, Energy, and Resources

Resources section

<http://www.abanet.org/environ/>

MartenLaw Group – Environmental Law News

<http://www.martenlaw.com/newsletter>

Well researched newsletter articles written by Marten Law Group staff attorneys, brief summaries of environmental cases they've worked on.

Arnold and Porter - Environmental Practice Section

<http://www.arnoldporter.com/en/services/capabilities/practices/environmental>

Check out their climate change litigation chart, a collaboration with the Sabin Center for Climate Change Law:

<http://climatecasechart.com/us-climate-change-litigation/>

EarthJustice

<http://earthjustice.org/>

or

Natural Resources Defense Council

<http://www.nrdc.org/>

or

Sierra Club

<http://www.sierraclub.org/>

Vermont Natural Resources Council

<http://www.vnrc.org>

Conservation Law Foundation / Vermont

<https://www.clf.org/serving-new-england/vermont/>

Class 4

Monday, June 4, 1-2:15

In Class:

Non-Legal environmental research

- Statistics
- Scientific research

Upon completion of this class, you will:

- Have a foundational knowledge of specialized resources for identifying reliable sources of statistics, nationally and internationally.
- Be efficient in locating scholarly sources that contain statistical information.
- Have critically researched, evaluated, and effectively used a variety of quality sources containing scientific information related to the environment, considering authority, accuracy and comprehensiveness of the source.

Pre-class Reading and Assignments and applying what you've learned to your Research Guide/Research Memo, if applicable:

Statistics:

- Do a Google search for statistics related to your topic.
- Do the same search in Google Scholar.
- Do the same search in the VLS database: Statista.
- Note differences in your results.
- Explore:

Statistical Abstract of the U.S. – VLS database

Statistica – VLS database

FedStats

<http://www.cs.umd.edu/hcil/govstat/fedstats/fedstats3.htm>

Data and Statistics: USA.gov

<https://www.usa.gov/statistics>

Scroll down to “Find Data and Statistics from the Government” for search tips and also links to the principal U.S. statistical agency programs including

Energy Information Administration, and the National Agricultural Statistical Service.

Statistical Information from the U.S. Federal Agency of your choice.

UN Environmental Statistics

<http://unstats.un.org/unsd/ENVIRONMENT/default.htm>

World Bank Open Data

<http://data.worldbank.org/>

Note: Browse by Country or Indicator (Below the main search box).

World Resources Institute: Maps and Data

http://www.wri.org/resources/charts_graphs

Statistics and Science:

U.S. Government's Open Data

<https://www.data.gov/>

Links to data sets produced by the federal government on many environmental topics including agriculture, climate, ecosystems, energy, and oceans.

Science:

Skim the list of web sites included in the following sections of ELRS:

Explore at least two sites, with your Research Guide/Research Memo topic in mind.

- Science
- Energy
- Climate Change

Use the Advanced Search option to search for a report related to your Research Guide/Research Memo topic in:

Science.gov

<http://www.science.gov/>

Explore:

Public Library of Science

<https://www.plos.org/>

Class 5

Tuesday, June 5, 1-2:15

In Class:

- Environmental Resources using Westlaw, Lexis Advance, Bloomberg/BNA Law

Upon completion of this class, you will:

- Have a deeper understanding of the environmental law materials available through Westlaw, Lexis Advance, and Bloomberg Law/BNA by effective use of practice area and content type selections, filters, specialized sources, etc.
- Have knowledge of additional reputable legal research sources commonly used by attorneys, such as CaseMaker and FastCase.

Pre-class Reading and Assignments and applying what you've learned to your Research Guide/Research Memo. Use Westlaw, AND Lexis Advance, AND Bloomberg/BNA Law:

Westlaw:

- Click on > Practice Areas > Energy & Environment. Explore and search for something relevant to your Research Guide/Research Memo.

Lexis Advance:

- Select Practice Area > Environmental Law and/or Energy & Utilities Law. Explore and search for something relevant to your Research Guide/Research Memo.

Bloomberg Law

- In upper left corner of main page, click on "BROWSE All Content" > Practice Centers > Environmental & Safety. Explore and search for something relevant to your Research Guide/Research Memo.
- On the main Bloomberg Law page, under "Be Practice Ready..." , click on Bloomberg BNA Law Reports, then Environment. Note the many resources. Choose one to explore.

Optional: Because it is important for you to be able to navigate new Legal Databases, explore the following two which are used by many practitioners, and note what looks useful to you as an environmental law professional:

CaseMaker (Access through our Databases page)

- CasemakerX is a free service supported by the Casemaker Bar Consortium and its 475,000 attorney membership consisting of State Bar Associations across the U.S. Casemaker includes case law, codes & statutes, etc., including state sources not easily available elsewhere.

FastCase (Access through our Databases page)

- Fastcase's libraries include primary law from all 50 states, as well as federal coverage going back to 1 U.S. 1, 1 F.2d 1, and 1 F.Supp. 1. The Fastcase collection includes cases, statutes, regulations, court rules, and constitutions. Fastcase also provides access to a newspaper archive, legal forms, and a PACER search of federal filings.

Class 6

Thursday, June 7, 1-2:15

In Class:

- Environmental Law Resources at the State Level

Upon completion of this class, you will:

- Be knowledgeable about resources that lead to state legal sources.
- Become familiar state legal resources in one particular state.

Pre-class Reading and Assignments and applying what you've learned to your Research Guide/Research Memo:

- Read the descriptions for all, and then explore three of the following:

Environmental Law Reporter (A VLS Database)

Under *Administrative*, there are links directly to each state agency that deals with environmental issues. *State Update* summarizes and links to recent state regulatory developments. Under *Legislative*, the *State Laws* tab takes you (for some states) directly to the environmental statutes on the individual state web site. You can also use the search box.

CaseMaker (A VLS Database)

CasemakerX is a free service supported by its attorney membership consisting of State Bar Associations across the U.S. It includes case law, codes & regulations, etc., including state sources not easily available elsewhere. For Vermont, Environmental Court Decisions are included. The Administrative Codes/Rules for each state are included, and conveniently broken down by division/program/agency. For example: Environmental Management, Environmental Quality, Natural Resources, Energy Office, Agriculture and Animals, etc.

LegiScan

<https://legiscan.com/>

A legislative tracking service with full text and status of bills for all 50 states (and U.S. Congress). Explore a state of your choice on a topic related to your Guide.

Open:States

<https://openstates.org/>

A service that allows you to identify legislators, review their votes, and track bill progress. Explore a state of your choice on a topic related to your Guide.

National Conference of State Legislators

<http://www.ncsl.org/research/environment-and-natural-resources.aspx>

An advocacy group making efforts “to fight unwarranted federal preemption of state laws...” Under the Research tab are Environment & Natural Resources, and Energy tabs.

50 State Surveys on Westlaw

In Search Box, type 50 state survey and note in drop down menu: 50 State Regulatory Surveys – Environmental Law; 50 State Regulatory Surveys – Regulatory Surveys – Environmental Law; 50 State Regulatory Surveys – Statutory Surveys – Environmental Law.

50 State Surveys on Lexis

In Search Box, type 50 State and note LexisNexis 50 State Survey: Statutes and Regs in the drop down menu. Environmental Law and Energy & Utilities Law are both topics.

Subject Compilations of State Laws On Hein Online (A VLS Database)

A bibliography/list of articles, reports, and books. Subjects include Environmental Protection, Energy, Natural Resources, Climate Change, Wildlife, Water Law, etc. Keyword searches are also possible.

U.S. Climate Change Litigation: State Law Claims

<http://climatecasechart.com/case-category/state-law-claims/>

State-by-State Guide to Natural Resource Damage Programs in All 50 States

<http://www.arnoldporter.com/~media/files/perspectives/publications/2015/03/statebystate-guide-to-nrd-programs-in-all-50-states/files/publication/fileattachment/nrd-statebystate-guide1.pdf>

➤ **Explore legal resources for the state of your choice and be prepared to share how you conducted your exploration**

Some possible approaches:

The resources of your state bar association. The New York Bar Association has an Environmental & Energy Law section. Vermont does not have an environment section, but, for Vermont, you will find: Practice Resources > Forms > Court Forms > Environmental Forms. Most state bar associations have a bar journal. Webcasts? News feeds?

Does your state’s environmental regulatory agency or AG’s Office issue news releases or opinions? How could the agency’s resources be useful to you? Setting up a google news alert for the agency can yield a great deal.

Is there a listserv or twitter feed from a local environmental organization, or perhaps even from an agency?

What free primary sources are available? Are they easy to use?
Is there any information on recent or pending environmental legislation? Is there a bill tracking option?
What is useful on the judiciary site? Any news feeds? Advance release opinions?
Does a law library in your state list resources that are and also that are not available online? How else might a law library in your state be helpful?
Is there a LibGuide/Research Guide that covers your state's legal/law resources?

Class 7

Monday, June 11, 1-2:15

In Class:

- Federal Administrative Law/Regulations research
- EPA and other Agency websites

Upon completion of this class, you will:

- Have become knowledgeable about and searched for environmental regulations and accompanying materials presented in a variety of formats: e-cfr, FDsys, Reginfo.gov, Regulations.gov, Environmental Law Reporter, Cornell LII, Westlaw, Lexis Advance, and Bloomberg Law.
- Have explored an environmentally related federal government agency web site searching for information related to your research topic and compared the results when searching for the same information on the same agency web site using Google as your search engine.
- Have become familiar with resources that list and describe environmentally related federal government agencies.

Pre-class Reading and Assignments and applying what you've learned to your Research Guide/Research Memo:

- Read:
Regulations Research – Research Guide
URL will be added before this class.

Regulations - Executive Orders Research Guide

<http://guides.ll.georgetown.edu/c.php?g=365454&p=2468882>

- Search the CFR to identify a regulation related to your Research Guide topic.

Your choice of one of the following:

- 1) e-cfr (<http://www.ecfr.gov/>)
- 2) FDsys (<https://www.gpo.gov/fdsys/> > CFR)
- 3) Govinfo (<https://www.govinfo.gov/>) > CFR
- 4) Westlaw
- 5) Lexis Advance
- 6) Bloomberg Law
- 7) HeinOnline

Notice useful features and deficiencies on the site you choose.

Preamble

- Research and be prepared to explain why the Preamble, which is published in the Federal Register, is important.

Agencies:

- Peruse:
USA.gov: List of all Federal Governmental Agencies
http://www.usa.gov/Agencies/Federal/All_Agencies/index.shtml
- Choose one Agency web site from the “Government Sites – United States” category in **VLS Environmental Law Research Sources** (ELRS), and explore it thoroughly, looking for information related to your Research Guide. If your agency is not included in ELRS, and you think it should be, let me know!
- Do a google search to try to find the same information you just found on the agency web site.
- Select the agency of your choice and explore options for receiving information from the agency through social media.

Class 8

Tuesday, June 12, 1-2:15

In Class:

- Statutory Research
- Legislative History Research
- Outstanding Resources
- Efficient Research

Upon completion of this class, you will:

- Recognize the importance of legislative history, which is to clarify, qualify, or amplify understanding of the purpose, intent, or meaning of a statute.
- Be able to identify the documents that make up legislative histories, and the relative authority of each document type.
- Be effective in identifying and locating environmentally focused legislative history documents using a variety of open-source and fee-based resources including: HeinOnline, Proquest Congressional, Legislative Sourcebook, FDsys, Govinfo, Congress.gov, Westlaw, Lexis Advance, and Bloomberg Law.
- Be familiar with resources that list, summarize, and often provide the full text of environmental statutes.

Pre-Class Assignment:

Pre-class Reading and Assignments and applying what you've learned to your Research Guide/Research Memo, if applicable:

- Take a look at one of the resources listed below – your choice:

Environmental Laws: Summaries of Major Statutes Administered by the Environmental Protection Agency

<http://nationalaglawcenter.org/overview/environmental-law-overview/>

Summaries of Environmental Laws and Executive Orders

<http://www2.epa.gov/laws-regulations/laws-and-executive-orders>

Environmental Law Reporter (A VLS Database)

> Legislative section

Environmental Law: Statutory and Case Supplement with Internet Guide Percival, Robert V., Austin : Aspen Publishers/Wolter Kluwer.

ENV COLL KF3775 .E5482

Selected Environmental Law Statutes. Thomson/West
ENV COLL KF 3775 .A3 .S45

A statutory-focused book/treatise/practice guide related to your Research Guide, such as the Clean Air Act Handbook, the Water Quality Control Handbook, etc.

Federal Legislative History:

➤ **Read:**

Federal Legislative History Research – VLS LibGuide

<http://libguides.vermontlaw.edu/LegislativeHistory>

➤ **Select two (your choice) of the following to explore:**

- **Westlaw** Choose, from the main page: Legislative History, and go from there
- **Lexis Advance** Content Type > Statutes & Legislation > Legislative Histories
- **Bloomberg Law** Type legis into the main search box and select Legislative Resources from the drop down menu options that appear
- **ProQuest Congressional** (A VLS Database)
- **HeinOnline** (A VLS Database) U.S. Federal Legislative History Library > U.S. Federal Legislative History Title Collection
- **Legislative Sourcebook** (pulls from a variety of sources)
<http://www.llsdc.org/sourcebook/>
- **FDsys** Slated to be replaced by **Govinfo**
<http://www.gpo.gov/fdsys/> or <https://www.govinfo.gov/>
- **Congress.gov** <http://www.congress.gov>

State Legislative History:

➤ Choose a state and see what is available:

<http://www.law.indiana.edu/lawlibrary/research/guides/statelegislative/index.shtml>

A list of state legislative history websites, which are **(warning!!)** of extremely uneven quality and comprehensiveness.

➤ Use the Internet to see if a legislative history or legislative research page is available for your state.

Class 9

Thursday, June 14, 1-2:15

In Class (Part 1):

- International and Foreign Environmental Law

Upon completion of this portion of the class, you will:

- Have knowledge of the foundational sources of primary and secondary international environmental law research using the following types of sources:
 - Books
 - Subscription Databases
 - Westlaw, Lexis, and Bloomberg Law/BNA
 - Reliable open-access web sites found through using the VLS Environmental Law Research Sources database (ELRS).

Pre-class Reading and Assignments and applying what you've learned to your Research Guide/Research Memo, if applicable:

- **Peruse the following web sites**, to give you an idea of what information they include:

International Environmental Law Resources section of VLS Environmental Law Research LibGuide

<http://libguides.vermontlaw.edu/c.php?g=309182&p=4853991>

International Environmental Law Research Guide

<http://libguides.uchastings.edu/c.php?g=89942&p=579858>

A Basic Guide to International Environmental Legal Research

http://www.nyulawglobal.org/globalex/International_Environmental_Legal_Research1.htm

- Explore two web sites from the **International Environmental Law** category in **ELRS**, and note useful features in the sites you have explored.
- Familiarize yourself with the following:
 - BNA International Environment Reporter on Bloomberg Law

In Class (Part 2):

- Outstanding Resources
- Efficient Research

Upon completion of this portion of class, you will:

- Be knowledgeable about the most useful specific environmental law resources or strategy used by each of your classmates while conducting their research.
- Be well aware of the complexity of environmental legal research, of the numerous ways to begin and conduct research, of the vast selection of environmental law resources available to you, and of useful strategies.

Pre-Class Assignment:

- What was your Research Guide Topic?
- What is the best resource or strategy you've discovered during the course?
- Be prepared to show/demonstrate this resource to the class.

Research Guide is due Friday, June 15, at 3 p.m. Registrar's Office