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## Environmental Resources on the World Wide Web

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Publishers and readers are invited to send material for this column to [Flora Shrode](#), Environmental Resources Editor, Electronic Green Journal, Hodges Library, Reference Services, University of Tennessee, Knoxville, TN 37996-1000, USA. TEL: 423-974-4415, FAX: 423-974-9242.

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This collection of World Wide Web links lead to sites I have learned about since the last issue of the ***Electronic Green Journal*** was produced. In some cases, links listed here point to newly developed services at organizations previously covered in this column.

A few of the sources I rely on to find new tools are: Internet Newsbrief (INTERNETNB-L): a weekly e-mail service from the EPA Headquarters Library that provides a sampling of new and/or useful Internet resources for EPA staff and other environmental professionals; Natural Resources Librarians List (NRLib-L@library.lib.usu.edu moderated by [Fred Stoss](#) of the Science and Engineering Library, SUNY University at Buffalo; and New Journals List from owner-newjour@ccat.sas.upenn.edu which is a listserv which posts announcements of new electronic journals available on the World Wide Web.

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## **Comprehensive Sites**

**Environmental Organization WebDirectory** Billed as "Earth's Biggest Environment Search Engine," this web site brings together many very useful sites, and presents them by major subject (animals, government, land conservation, recycling, etc.) with sub-topics included with each menu choice. A keyword search is also available. Users may recommend URLs to add to the list.

**Environmental and Related Sources -- Collection from the Cygnus Group** Developed by the Cygnus Group, this site claims to be a selective list of resources from the Web along with lists of gophers, newsgroups, listservs, and other electronic tools. Topics feature waste prevention and reduction as well as other major environmental areas. Links to 'Net search engines and sources for current news.

**EcoLogic - A Student Pugwash Project** This comprehensive site is a good "open door" to environmental information on the web with links to both commercial and education sites for information. The site itself does not provide any information and is maintained as merely a stepping stone. There are a mix of both technical and general interest options and they are not arranged by either content or currency but alphabetically.

**Environmental Resources: Collection from Terry Link at Michigan State University** Terry has gathered numerous links to sites offering information and online texts about nature and the environment.

**EcoNet: Water, Seas, Oceans, and Rivers** The Institute for Global Communications (IGC) has developed a WWW home of the IGC Networks as a gateway to environmental and progressive resources worldwide. The EcoNet Network hosts several different lists, namely, the EcoNet's Water Resources, EcoNet's Acid Rain Resources, EcoNet's Water Gopher, and EcoNet's Toxics, Hazards & Wastes Resources. The lists are good starting points for access to various sources on the Web.

**Envirobiz** Envirobiz is an international environmental information network. Visitors to this site can search directories of the full spectrum of environmental service companies as well as databases containing information on products, publications, software, state agencies, and associations. The CFR and Federal Register are accessible as well as a discussion forum designed to encourage environmental professionals to exchange information.

**Environmental Professional's Homepage** Sponsored by Brown & Root

Environmental, this site is designed specifically for environmental consultants and remediation professionals. In the introductory page the site's creator, John Clay, states that his goal is for the site always to be a quick-loading, reliable link to primary source information. It will not become an editorial forum or offer evaluations of web sites. Rather, its emphasis is on "Regulators, Legislators, and Health and Safety, with few links to Research or Academic sources" along with pointers to federal and state agencies, federal regulations and legislation, professional associations, and [Environmental Protection Agency-Environmental Response Training Program \(EPA-ERTP\) Training Courses](#).

[Chemical Industry Homepage, developed by the National Environmental Information Service \(NEIS\)](#) This corporate site offers a variety of services to the environmental professionals in all areas, from chemists and engineers to managers. Both free and fee-based information is available from this site, which advertises itself as a national clearinghouse of EPA and OSHA documents. Other services include a comprehensive list of online information and print materials.

[EARTH Page of CNN Interactive](#) CNN Interactive is an on-line service operated by Cable News Network, Inc. ("CNN") on the World Wide Web. [EARTH](#) leads to one of several information services and offers news items relevant to the environmental and natural resource topics.

[IGES'97 The Environmental Solutions Exhibition](#) The International Guide to Environmental Solutions is a new exhibition and reference guide for products and services in the Environmental Solutions industry. The goal for this free service is to create "a one-stop reference guide for the Environmental Industry." This site is growing and includes links to: Mailing Lists; Newsgroups; Articles and Press Releases; Job Opportunities; Software; and a Search Engine. The [Contents Page](#) presents all the topics covered. Visitors are encouraged to comment on the site and contribute URL's. This site has many graphics and can be slow to load.

[Sustainable Development--Best Starting Points](#) Emphasizing resources of interest to Europeans, this site includes important international information such as the documents and contact points for the United Nation's Commission on Sustainable Development (CSD) and Department for Policy Coordination and Sustainable Development (DPCSD). Despite its international orientation, the site appears as if it could be helpful for local research as well since it provides a bibliography of printed sources along with Web links. This site links to a site which presents best starting points for environmentalists.

## **Education Sites**

[Education World](#) A comprehensive source for education on the Internet, Education World offers links to more than 10,000 URLs. Keyword search capability and a Subject Index allow visitors to link to school projects, schools, and universities online as well as news, libraries, museums, and sites on special topics.

[Biology Education Project - South Africa](#) Based in the Botany Department at the University of the Western Cape, South Africa the Biology Education Project aims to network school systems in the Western Cape Schools Network (WCSN) to produce and distribute teaching aids and other resources via the Internet. The resources are available for global access, and site creators hope it will encourage biology teachers and pupils around the globe to interact with their counterparts in South Africa.

[BioBlitz](#) Bio-Blitz is an effort to organize natural history talents of scientists living in urban centers in order to document biodiversity that exists in their areas. Involving students makes Bio-Blitz an opportunity for biodiversity education, exploration, and investigation. A sample project from a 24-hour Bio-Blitz expedition to Kenilworth Park on the banks of the Anacostia River, an urban wilderness in Washington, D.C. (May 31 - June 1, 1996) is presented on the site. An aim of the Bio-Blitz approach is to contribute to the documentation of distribution, occurrence, and patterns of plant and animal life on Earth by focusing on areas where people live.

## **Water-Related Web Sites**

[Office of Ground Water and Drinking Water Kid's Page](#) EPA's Office of Ground Water and Drinking Water has developed this site to inform children and students about issues regarding ground water and drinking water. The intended audience includes teachers who may want to use these materials in their classrooms. The November 1996 version of the page features an animated depiction of the water cycle, a list of smart water tips, a word scramble, and word searches in English and Spanish. The site links to the [Kid's Page](#) from the Office of Science and Technology and to the [Office of Ground Water & Drinking Water](#).

[Educating Young People About Water](#) From the ERIC Clearinghouse for Science, Math, and Environmental Education, this site offers materials useful in developing water education programs. The inexpensive materials described at the site work with the awareness that effective education must be relevant to students' lives and are reinforced by links to the local community. Links to curricula and success stories can help

those who seek to develop community-based, water education programs that target youth and involve key community members and students in partnerships. Curricula are accessible via email and searchable by grade level or by subject.

[Urban Groundwater Database](#) Located in Australia, this small but growing database contains information and links to resources dealing with ground water conditions in cities, towns, and rural areas around the world. Entries offer descriptions of communities, the climate, how the community uses water resources, problems that the community has encountered, and a contact person (usually the person who entered the data). The resources are indexed alphabetically by name, but a keyword search engine is being developed.

[Bannister Research's groundwater.com](#) Bannister Research & Consulting (BRC), a Bridgeport, Vt. consulting firm, has established this web site offering groundwater and environmental resources. The site presents a large selection of web links to environmental and groundwater sites, a list of nearly 100 listservs on environmental, geology, and hydrology topics, a groundwater products and services directory, and information about the GROUNDWATER Mailing List which has over 2000 subscribers.

[The Water Librarian's Home Page](#) This page, maintained by a librarian in California, points to a wide variety of Internet materials related to water research and topics of earth science, engineering, library science, and sci-tech publishers. Several of the provided links point to materials of environmental interest. The sites are broken into the following categories: Water Agencies (mostly civil institutions), Water reference databases, Comprehensive water pages (many general interest materials included), and other sections related to water resources, such as Earth science, government agencies, and environmental science materials.

[Water Online: Business Connection for Water & Wastewater Industries](#) Offers marketplace news on water. Includes directories of suppliers, employment opportunities, updates on regulations, announcements of technological developments, discussion forums, and news and announcements from water industry associations.

### **Environmental Law Web Sites**

[Environmental Law Institute \(ELI Online\)](#) From the statements on the web site, "the Environmental Law Institute advances environmental protection by improving law, policy, and management. ELI researches pressing problems, educates professionals and citizens about the nature of these issues, and convenes all sectors in forging effective solutions."

ELI offers information via the Web about the institute, its publications and programs, and key individuals at ELI. Links to specific papers and projects from the institute are provided.

[Pace Global Environmental Law Network Web Site](#) This site describes environmental law academic programs at Pace University. It includes the "Virtual Environmental Law Library," which catalogues authoritative, full-text sources of environmental laws worldwide and will be continually updated by Pace faculty and students. The Pace Global Environmental Law Network offers the opportunity for professionals to communicate using the 'Net. Pace has inaugurated the world's first interactive global law review specializing in environmental law, [The Pace Interactive Earth Law Journal](#). It will publish papers with hyperlinked citations on the Internet and use chat features to allow readers to join in discussions. Contacts: Marilynne Herbert, E-mail: [halstead@halsteadpr.com](mailto:halstead@halsteadpr.com); Michael Stoner, 212-734-2190, E-mail: [mstoner@halsteadpr.com](mailto:mstoner@halsteadpr.com); Joan Tucker, 212-346-1996

### **Government Web Sites**

[National Library for the Environment](#) The Committee for the National Institute on the Environment has organized an electronic National Library for the Environment (NLE). Goals are to develop three on-line components: Congressional Research Service Reports, An Encyclopedia of the Environment, and In-Depth Issues In the Environment. Already available are over 100 Congressional Research Service reports which formerly were exclusively available to members of Congress and their staff. The reports are prepared to be "accurate, thorough, technically sound, balanced, nonpartisan, and objective." The Encyclopedia and In-Depth issues portions are still being developed, and web site visitors are encouraged to send their opinions and suggestions. Contact: Juge Gregg, E-mail [juge@cnie.org](mailto:juge@cnie.org); phone 202/628-4303

[Our Changing Planet: The FY 1996 U.S. Global Change Research Program](#) A supplement to the President's annual budget request, "Our Changing Planet" is made available by the U.S. Global Change Research Information Office (GCRIO). The report summarizes U.S. Global Change Research Program (USGCRP) activities, including areas such as: "seasonal-to-interannual climate fluctuations; climate change over the next few decades; stratospheric ozone depletion and increased UV radiation; changes in land cover and in terrestrial and marine ecosystems; and crosscutting aspects of global change research." Also included in the report are highlights of recent USGCRP research results, and budget information by agency, framework, and program.

[CBEP Fact Sheet](#) EPA has launched this site in support of its Community-Based Environmental Protection (CBEP) program. The CBEP aims at improving the effectiveness of national regulations and environmental programs by approaching all resources--land, air, water, of a region as a whole. EPA hopes to address problems while keeping local conditions in mind, and the CBEP is intended to help EPA to work more effectively with public and private participants in environmental protection. "CBEP is designed to maximize the use of scarce resources, encourage local support, and consider the economic well-being of communities. The site includes a thorough explanation of the program; examples of CBEP projects; and contact information throughout the agency."

[Commission for Environmental Cooperation \(CEC\)](#) CEC is an intergovernmental agency working under the auspices of NAFTA and the North American Agreement for Environmental Cooperation (NAAEC) to enforce existing environmental laws and promote public participation. Offerings include information about the EcoRegions newsletter and listserv, a resource center and selected publications. The site is available graphically, textually and in French and Spanish.

[United States Department of Energy's Office of Energy Efficiency](#) This website "provides access to information about renewable energy and energy efficient technologies." The Office of Energy Efficiency and Renewable Energy is devoted to the development of cost-effective energy efficiency and renewable energy sources and technologies, in the interest of the nation's economic competitiveness. This site offers instructions on how to submit proposals and/or work with DOE staff on existing projects, national and international news and events relevant to the Office, information about educational and training programs related to energy efficiency and renewable, both within the Office and through other organizations.

[EnviroText](#) EnviroText is an online library containing primarily information on environment, safety, and health requirements. Developed through a cooperative effort among the following: the Environmental Protection Agency, the Departments of Energy, Interior, Justice, Defense, the U.S. Army Corps of Engineers Construction and Engineering Research Laboratory, and the University of Illinois, the purpose of EnviroText is to provide easy access and reliable information for the regulated community to comply with environmental requirements. Datasets accessible through EnviroText include: the entire U.S. Code; most of the Code of Federal Regulations and the Federal Register; Presidential Executive Orders from 1945 to the present; most Indian Tribal Codes; a complete set of Indian Tribal Agreements and Treaties

(unique to EnviroText); and, a set of all International Agreements and Treaties. All the datasets have their own update schedule.

[National Exposure Research Laboratory -- Characterization Research Division-Las Vegas](#) The Characterization Research Division-Las Vegas (CRD-LV) develops and applies approaches to identify and characterize exposure of humans and ecosystems to chemical pollutants (spilled petroleum products, for example), physical stresses (like land use practices), and other risk factors in our environment. They track pollutants in the environment, quantify exposures to them, determine the effectiveness of waste treatment technologies, and integrate environmental information for more effective risk assessment and decision making.

[Center of Excellence for Sustainable Development](#) Developed by the U.S. Department of Energy, this site is intended to help communities learn about sustainable development. It offers guidance for design and implementation of projects and support for communities adopting a new approach to planning. Users may request specific assistance directly from an electronic form at the site. In addition to a collection of relevant web sites and current news in sustainable development, the Center provides a tool kit with articles, a bibliography, education resources, industrial ecology information, and success stories to help community planners. The site is related to DOE's [Energy Efficiency and Renewable Energy Network](#).

[HUD Office of Lead Based Paint Abatement and Poisoning Prevention](#) The U.S. Department of Housing and Urban Development has launched this site as part of an outreach effort to disseminate information about regulations, training, standards, and grant availability for programs designed to implement cost effective methods for the reduction and inspection of lead-based paint hazards. The site offers thorough explanations of the effects of lead poisoning and ways to minimize risks.

[Endangered Species Program](#) This site from the U.S. Fish and Wildlife Service presents a comprehensive approach to endangered species management in the United States. The site offers lists and counts by state, frequently asked questions, foreign species information, and the Endangered Species Bulletin. Busch Gardens/Sea World maintains a site on [Endangered Species \(Sea World\)](#) that contains links to information about endangered animals. Links include government organizations (including some EPA sites), international organizations, private groups, and bibliographies (one of which is intended for children).

[Environmental Indicators Home Page](#) This site from EPA is designed to "provide access to readily available environmental data that may be useful as environmental indicators to report status and trends in environmental conditions, or to assess progress in public and private environmental protection efforts at various geographic scales," according to the FAQ. Such data can be important for decision makers where environmental concerns are present. The site includes definitions of terms, FAQs, and links to sources of data arranged by various geographic areas.

[US Fish and Wildlife Service](#) Featured on the FWS homepage in fall 1996 are newly developed sites covering the Service's work in the following areas: Law Enforcement, Region 5 (Northeast), Migratory Bird Management Office, N.A. Waterfowl and Wetlands Office, Shiawassee National Wildlife Refuge and the D.C. Booth National Historic Fish Hatchery.

[GPO Pathway Services](#) The Government Printing Office has developed "Pathway Services, a suite of tools being developed by the Federal Depository Library Program to direct librarians and the public to Federal Government information on the Internet." The site provides a browse list of topics, a web search tool limited to federal (.gov) sites, and a list of government publications in electronic format. The GPO Monthly Catalog and Federal Government Information Locator Service (GILS) databases are accessible from the site.

[ETI: Environmental Technology Initiative](#) Its web site states that the "Environmental Technology Initiative is an interagency effort led by the U.S. Environmental Protection Agency that supports more than 250 partnerships and projects throughout the United States. ETI promotes improved public health and environmental protection by advancing the development and use of innovative environmental technologies. Environmental technologies prevent pollution, control and treat air and water pollution, remediate contaminated soil and groundwater, assess and monitor exposure levels and manage environmental information."

[Northern Prairie Science Center](#) An office of the National Biological Service, the Northern Prairie Science Center supports the NBS's Northern Prairie's Grasslands Ecosystem Initiative by making information on the biotic resources of the Great Plains more widely available to decision-makers, resource managers, scientists, and the public. The Northern Prairie Science Center's web site provides data and maps on species distribution, biological data on nesting and regional checklists, software used to collect and analyze biological data, and access to bibliographies

and articles of relevant literature.

[Ecological Risk Analysis Tools and Application](#) From Oak Ridge National Laboratories, this site offers risk analysis tools and ecotoxicological benchmarks. Plans are in place to add completed risk assessments as examples of the available applications. The Adobe Acrobat Reader is required to view the full text benchmarks and assessments, but it is available for download at the site.

### **Societies' and Associations' Web Sites**

[Society of Environmental Journalists](#) The Society of Environment Journalists (SEJ) is a non-profit organization based in Philadelphia, PA. SEJ's web site provides convenient access to environmental information by subject from a group of sites evaluated by SEJ staff and selected for their relevance. The Environmental Journalism Gallery links to award winning stories from around the country. SEJ offers access to 'Net search engines and offers a search engine for the site (keyword or concept).

[Greenlife Society - North America](#) GLSNA is an American affiliate of the Finnish Greenlife Society, a non-profit organization formed with the purpose of contributing toward the protection and conservation of endangered species of fauna and flora throughout the world. The web site provides information about the organization and the projects it supports. With an international focus on wildlife conservation, links are provided for current projects and specific convention documentation as well as to the Canadian affiliate and an e-mail contact.

[Energy Efficient Building Association](#) The mission statement explains that the "Energy Efficient Building Association is an international non-profit group dedicated to fostering energy efficient design and construction, and environmentally responsible development practices that provide quality living environments." EEBA promotes environmentally respectful development through development and dissemination of information, conducting training, and providing criteria for use by the housing industry, consumers and governmental agencies. The web site offers conference reports, links to relevant 'Net tools, and a "bookstore" from which visitors may order EEBA publications and videos.

[League of Conservation Voters](#) The League of Conservation Voters is the bipartisan political arm of the environmental community, and devotes itself full-time to educating voters. LCV holds members of Congress accountable for their actions on critical issues affecting the environment with the National Environmental Scorecard. The scorecard is developed by experts from several dozen environmental groups that identify the

crucial votes and cosponsorships which are used for rating Members of Congress. The LCV site urges all voters to know the scores of their own U.S. Representative and Senators.

### **Electronic Periodicals**

**Environtech** Environtech is an international monthly newsletter (subscription rate as of October 1996, \$325/year) designed to supply brief, concise reports on technology and industry news. Focusing on emerging environmental technologies and on those that have proved effective in actual use, the editors search the industrial, academic and government research laboratories worldwide for emerging technologies. Significant new patents, Internet resources, reports, studies, software, forecasts, new periodicals and books are discussed.

**State of the Earth** This site offers weekly updates on environmental news and a host of pointers to other web sites on environmental topics. One section offering articles on timely topics is called, "Nature & Environmental News." Included there is a link to "Our Planet," a free newsletter visitors may receive via email. Visit this site for instructions about subscribing.

**Electronic Drummer** "This electronic journal is published by the Thoreau Institute and is committed to the ongoing discussion of environmental issues. The Institute has a focus on public land management with a limited government role. Updated monthly, current offerings include papers on endangered species, growth management, and reform advocacy. The site does not contain links beyond its own space at this time."

**Environmental Building News (EBN)** Environmental Building News is a newsletter on environmentally sustainable design and construction. EBN is comprised of articles, reviews, and news stories and is a prime resource on energy-efficient, resource-efficient, and healthy building practices. The Newsletter addresses material selection, siting, indoor air quality, daylighting, and more. The web site provides a back issues section to create a collection of information on green buildings, products, and technologies. The "Hot News" section includes current information. A summary is provided of the current issue and a calendar offers future activities and events in the green building world.

**Environmental and Planning Law Journal** Summaries of articles appearing in the print version of EPLJ (published six times/year) are available online. The journal provides detailed analysis and advice about current trends, opinion and parliamentary and legal developments in

environmental law. Although primarily directed towards law practitioners and students, the journal has a multi-disciplinary role in recognition of the fact that environmental issues are multi-faceted and the law cannot be divorced from political and social objectives thus also relevant and sought after by a wide range of professionals working in environmental management, planning and related disciplines.

"CONSEQUENCES: The Nature and Implications of Environmental Change" Peer-reviewed quarterly journal from Saginaw Valley State University pursuant to National Oceanic and Atmospheric Administration Award No. NA56GP0028. Articles published in CONSEQUENCES are made available on the Internet by the U.S. Global Change Research Information Office (GCRIO). Contact: GCRIO User Services: 2250 Pierce Rd; University Center, MI 48710; Phone: (517) 797-2730; Fax: (517) 797-2622; E-mail: [help@gcrio.org](mailto:help@gcrio.org). To receive CONSEQUENCES in a print copy on a regular basis, to request copies of back issues, or to contact the editor, please send a written request with complete address information by mail, facsimile, or e-mail to: [mailto:CONSEQUENCES](mailto:CONSEQUENCES@svsu.edu), Editorial Office; Saginaw Valley State University; 7400 Bay Road; University Center, MI 48710; Fax: 517-652-8772; E-mail: [jeddy@tardis.svsu.edu](mailto:jeddy@tardis.svsu.edu).

Elsevier Science Tables of Contents Service The Elsevier Science Tables of Contents service is updated weekly and gives the tables of contents of more than 1,000 Elsevier Science primary and review journals. Search capabilities include journal and article title, date, and abstracts.

Clean Air from Voyage Publishing, Science and the Environment The Clean Air site is one chapter of Science and the Environment (S&E), a cyberspace journal created for teachers and students. Each bimonthly issue presents relevant news stories that Clean Air's editors find from reviewing magazines, specialized journals, and newspapers. Topics in clean air include urban smog, air quality updates, acid rain, reformulated gasoline, automobile fuel efficiency standards, air pollution trading and the effects of fossil fuel burning (coal, oil, gas).

### **International Web Sites**

Inter-American Institute for Global Change Research This site has been created by sixteen countries of the Americas with support from the National Science Foundation. Its purpose is to facilitate information exchange on topics such as: the agencies' development, structure, status, and agenda.

World Resources 1996-97 This joint publication of the World Resources

Institute, United Nations Environment Programme, United Nations Development Programme, and the World Bank, has been published simultaneously in print and Internet versions. The full 365-page report is available with its 65 figures and maps and 85 pages of data tables covering 150 countries. The [World Resources Institute](#) web site is an entry point for the various information resources they provide, including a list of other internet sites addressing a wide number of environmental topics. Contact: Elizabeth A. Behrendt, Library Manager/Senior Librarian World Resources Institute; 1709 New York Ave. NW; Washington, DC 20006 202-662-2504/202-638-0036 (fax), E-mail [bethb@wri.org](mailto:bethb@wri.org).

[Highland College \(Great Britain\)](#) Offering one of Europe's leading environmentally-oriented study abroad programs, Highland College's new website presents information about applications, financial aid and Merit Scholarships, catalog, courses and on-line application form. HIGHLAND COLLEGE, GREAT BRITAIN U.S. Address: Box 1393, Boston, MA 02117; U.S. Telephone and Fax: 1-800-932-7658 Email: [college@tiac.net](mailto:college@tiac.net)

[BALTic Sea Region On-Line Environmental Information Resources for INternet Access](#) The main objectives behind the BALLERINA initiative are "to promote more substantive and relevant environmental information from and about the Baltic Sea region; to make it easier for users to find Baltic Sea region environmental information; and to develop a network of environmental information providers in the Baltic Sea." The concept is modeled after the [Great Lakes Information Network](#) (GLIN). A category of links called, "Baltic Region On-line Environmental Information Resources" lead to sites at research institutes, universities and related environmental groups interested in the Baltic area.

[Network for Environment and Sustainable Development in Africa \(NESDA\)](#) The Network for Environment and Sustainable Development in Africa (NESDA) is a resource and forum of African experts in the management of environment and natural resources. NESDA's mission is "to help African societies achieve environmentally sustainable development" using the strategy of building and strengthening expertise within Africa at local, national, and sub-regional levels. In order to do that, NESDA supports national planning processes and analyses national policies, offers workshops and seminars, arranges in-country missions to provide consultation with experts, and develops funding programs for several African countries. NESDA's web page is located at the [Resource Renewal Institute's](#) web site, home of information on Green Plans, paths to developing a sustainable environment and economy.

[United Kingdom - The Department of the Environment \(UKDOE\)](#) This site discusses the various program interests of the UK DOE, and provides access to statistics on global atmosphere, air quality, inland waters, coastal and marine environment, radioactivity, noise, waste and recycling, land use and land cover, and wildlife. These figures are made public to improve the availability of environmental information and also to make it easier for users, both in the UK and abroad, to gain access to and manipulate data for analysis. The link to the DOE's library offers access to the [Resline](#) database, a searchable collection of information on more than 6000 research projects and documents made available by 860 organizations.

[National Institute for Environmental Studies: Japan](#) Established in 1974, the NIES is a branch of the Environment Agency of Japan which was created in 1971 to work on improving serious environmental pollution problems resulting from post World War II growth of large industrial complexes. The Institute employs researchers from a wide range of specialties to carry out interdisciplinary studies on major problems of air and water pollution, soil contamination, noise, and vibration. The NIES reorganized its research system in 1990 in order to cope with changes in the global environment such as global warming, depletion of the ozone layer, loss of biodiversity, etc. The institute is carrying out multidisciplinary research activities consistent with the concept of the Environment Basic Law.

[International Fund for China's Environment](#) This fund has been established to promote public environmental education, to support environmental protection and biodiversity conservation projects in China, and to provide information and technological services to China. IFCE will cooperate with organizations both in China and around the world in implementation of its projects.

[International Environmental Management Standards](#) This site provides a center for information and services related to ISO's environmental management standards (the ISO 14000 series) and ISO/TC 207, the ISO technical committee responsible for the ISO 14000 Standards. This Site is maintained by the Canadian Standards Association (CSA), the home of the TC 207 secretariat. Information includes a background of the standards, news, and committee services that are available.

[G7 Environment and Natural Resources Management \(ENRM\)](#) Under development by the Centre for Earth Observation on behalf of the G7-ENRM Project this prototype information server allows free online registration and interactive editing of records for global environmental

information resources. The objectives of this G7 joint project are: to increase the electronic linkage and integration of sources of data and information relevant to the environment and natural resources; to make the data accessible to developed and developing countries; and to facilitate the exchange and integration of data and information about the Earth for use in a variety of applications. Some of the participating countries are Canada, France, Germany, Italy, Japan, Switzerland, United Kingdom, United States and the European Community. You are invited to visit the site at the above URL and register your information on the system. Should you wish to contribute information about complete datasets held on other servers (of course, you retain control over all of the entries), or if you have any queries regarding the service please contact them by E-mail at [enrm-admin@jrc.it](mailto:enrm-admin@jrc.it). The success of the ENRM initiative relies on your contribution. phone +39 332 78 5425 fax +39 332 78 5461 E-mail [ENRM-Admin@jrc.it](mailto:ENRM-Admin@jrc.it).

[OVAM- The Public Waste Agency of Flanders](#) OVAM is the Public Waste Agency of Flanders, and its web site offers environmental lists of lists in categories labeled: Waste, Soil, Composting and Recycling; Clean Technologies - Environmental Technologies; Clean Production, Life Cycle Analysis; Environmental Governments on the Internet; European Union Sites, and interesting sites for Librarians and Documentalists.

[Green Arrow's Conservation Connection](#) This site describes a volunteer placement program in Central America for people interested in working between 1 and 3 months in areas of ecotourism, sustainable development, forestry, conservation, tropical agriculture, and environmental education projects. Green Arrow is based in Costa Rica and currently works with more than 100 projects run by environmental organizations, universities, and ecotourism groups. The program can provide valuable educational experience that could lead to future career opportunities. Interested applicants can apply for posted positions or submit r sum s using an online form. Green Arrow publishes an Internet travel and conservation magazine and information service called the [Green Arrow Guide to Central America](#) .

### **Listservs and Electronic Discussion Lists**

[Wildlife Ecology Digest](#) In case you missed it, WILDLIFE ECOLOGY Digest is available free for subscription. This is a weekly e-mail digest for research, conversation, job opportunities, issues, thoughts, and general postings concerning wildlife ecology. We now have 3300+ members on the list (including wildlife professionals from all over the world) after it's third month of publication, and the information on the digest has been very informative and helpful to all parties involved. To receive this free,

e-mail digest, please send e-mail to: [kingfshr@northcoast.com](mailto:kingfshr@northcoast.com) with the subject: "Subscribe to WED." Your first issue will arrive soon after that! Please check out our website for more information on this service!

[ENVCONFS-L List for Environmental Conferences](#) EnvConfs-L is a mechanism with which the environmental sciences and public policy community may use electronic mail to learn and share information about environmental conferences, events, and publication opportunities. For information, contact [Thomas M. Parris](#), Environmental Resources Librarian at Harvard College Library. To subscribe to EnvConfs-L, send a message to [listproc@environment.harvard.edu](mailto:listproc@environment.harvard.edu) containing the line "SUBSCRIBE EnvConfs-L."

[Environment On the Net Discussion List](#) As an outgrowth of the Environment on the Net Conference, held May 9-10, 1996, in Seattle, Washington USA, this discussion list is a vehicle for continuing the work of the conference. The EON list's purpose is specifically aimed to support discussions on techniques for effectively using the Internet and Intranets (including Lotus Notes) for environmental applications. One-time announcements of Internet resources, publications, conferences, and services specific to this topic are welcome. All who are interested in environment applications of the Internet -- from all sectors (academia, activist, government, and industry) and all perspectives are welcome to participate in the EON list. To subscribe to this list, send an email message to [majordomo@world.std.com](mailto:majordomo@world.std.com) with the following as the body of the message: subscribe eon.

[Duke Occupational and Environmental Medicine](#) The Occ-Env-Med-L mail-list and the Association of Occupational & Environmental Clinics (A.O.E.C.) are accessible via the Web at this site. The mail-list archive is available and searchable and offers automatic notification of list updates. Information is available about OSHA activities and other organizations concerned with occupational and environmental health, such as NIOSH and EPA. The World Health Organization's "Weekly Epidemiological Report" and selected articles from the Morbidity and Mortality Weekly Report (MMWR) are linked to this site.

### **Books and Other Materials**

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112 p. ISBN:1562945246. US\$16.40

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*Biological/Ecological, Economic, and Policy Issues* An updated version of this bibliography is now available on the web. It is available in regular html format or may be downloaded as a Microsoft 7.0 file in original or zipped form.

Buell, Lawrence. *The Environmental Imagination: Thoreau, Nature Writing, and the Formation of American Culture*. Cambridge, MA: Belknap Press of Harvard University Press, 1995. 586 p. ISBN:0674258614. US\$35.00

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Dashefsky, H. Steve, illustrations by Debra L. Ellinger. *Kids Can Make a Difference!: Environmental Science Activities*. New York: TAB Books, 1995. 151 p. ISBN:0070157472 (pbk). US\$12.95.

Durnil, Gordon K. *The Making of a Conservative Environmentalist: With Reflections on Government, Industry, Scientists, the Media, Education, Economic Growth, the Public, the Great Lakes, Activists, and the Sunsetting of Toxic Chemicals*. Bloomington: Indiana University Press, 1995. 200 p. ISBN:025332873X. US\$19.95.

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ISBN:0820316172 US\$45.00.

Goldbeck, Nikki. *Choose to Reuse: An Encyclopedia of Services, Businesses, Tools, & Charitable Programs that Facilitate Reuse*. Woodstock, NY: Ceres Press, 1995. 455 p. ISBN:0960613862 (pbk). US\$15.95.

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Kolk, Ans. *Forests in International Environmental Politics: International Organisations, NGOs, and the Brazilian Amazon*. Utrecht: International Books, 1996. 336 p.. ISBN:9057270021.

Laszlo, Ervin. *The Choice: Evolution or Extinction?: A Thinking Person's Guide to Global Issues*. New York: Putnam, 1994. 215 p. ISBN:0874777534. US\$17.95. [LifeWeb: The Writings of Elisabet Sahtouris](#) An electronic version of a book called "The Earthdance and Our Current Metamorphosis." by Elisabet Sahtouris is available at this site along with some of her other publications.

Little, Charles E. *The Dying of the Trees: The Pandemic in America's Forests*. New York: Viking, 1995. 275 p. ISBN:0670841358. US\$22.95.

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Patton-Hulce, Vicki R. *Environment and the Law: A Dictionary*. Santa Barbara, CA: ABC-CLIO, 1995. ISBN:0874367492. US\$39.50.

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Salzman, Marian. *Kids On-line : 150 Ways for Kids to Surf the Net for Fun and Information*. New York: Avon Books, 1995. 245 p.  
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US\$16.00.

Symons, James M. *Drinking Water : Refreshing Answers to All Your Questions*. Revised and expanded. College Station, TX: Texas A&M Univ. Press, 1995. 118 p. ISBN:089096646X US\$24.50.

"The Convention To Combat Desertification: Drawing A Line In The Sand?" *PCIS International Environmental Law Occasional Paper Series, No. 1*. The forty page paper is available for US\$15.00, which includes shipping and handling, add US\$2.00 per foreign order. Orders may be faxed, mailed, or e-mailed. Orders from academic institutions, governmental or nongovernmental organizations may be invoice. Request PCIS International Environmental Law Occasional Paper Series, No. 1. William C. Burns, Director; Pacific Center For International Studies; 33 University Square, Suite 184, Madison, WI 53715-1042, USA. Phone: (608) 256-6312; Fax: (608) 257-0417; E-mail: pcis@ix.netcom.com.

## **VIDEO**

Allmendinger, Mike, Paul Curtis, Gary Goff. *Biodiversity for Forests and Farms*. Ithaca, NY: Cornell University Media Services ETV Center. US\$24.95 Order from: Cornell University Media Services Resource Center, 8 BTP, Ithaca, N. Y. 14850. Contact AV Librarian Rich Gray at (607) 255-2090 E-mail: dist\_center@cce.cornell.edu to order or for more information.

## **Conference Announcements**

# **Second Annual International Wildlife Law Conference**

The Conference will take place April 8, 1997 in Washington DC. Sponsored by the GreenLife Society--North America, the Georgetown International Environmental Law Review, the Colorado Journal of

International Environmental Law & Policy, and the Detroit College of Law-Michigan State University, the conference will have three panels emphasizing:

1. The precautionary principle and International Wildlife Treaty Regimes;
2. The International Whaling Commission and the Aboriginal Whaling Exception;
3. The Impact of the Convention on Biological Diversity: Present and Future.

Speakers are needed for each panel for 15-20 minute presentations.

For more information, contact GreenLife Society - North America; 700 Cragmont Ave.; Berkeley, CA 94708 USA; phone/fax (510) 558-0620; E-mail: [pcis@igc.apc.org](mailto:pcis@igc.apc.org).

## International Conference on Measurements and Modeling in Environmental Pollution

First International Conference on Measurements and Modeling in Environmental Pollution will be held April 22-24, 1997 in Madrid, Spain. For more information, go to the web page <http://www.witcmi.ac.uk> and click on the conference information link.

## Analysis Workshop IV: Modeling Complex Systems for Environmental Decision-Making

May 19-22, 1997 Fort Collins, Colorado: Sponsored by USDA Forest Service, Washington Office, Ecosystem Management Analysis Center (EMAC).

This will be the fourth in a series of conferences to promote the use of analysis in environmental management. Papers and posters are sought on the following topics: computerized modeling tools; ecological, economic, and social analysis tools; integrated modeling tools; computerized participatory decision-making; modeling with GIS; decision support systems. The conference focus is on the application of computerized models at all levels of planning including: regional assessments, strategic or forest planning, landscape or watershed

analysis, and project planning.

Abstracts for papers and posters will be accepted until January 24, 1997. For information and submission instructions, contact Joyce Thompson at USDA Forest Service Ecosystem Management Analysis Center; 3825 E. Mulberry St.; Fort Collins, CO 80524; phone (970)498-1774, fax (970)498-1660; E-mail: /S=J.THOMPSON/OU1=W04A@MHS-FSWA.ATTMAIL.COM

## Technologies for Activities Implemented Jointly

<http://www.ieagreen.org.uk/aij.htm>

An international conference organized by the British IEA Greenhouse Gas R&D Program to explore possibilities for cooperative efforts among national agencies will be held May 26-29, 1997 at the Westin Bayshore Hotel, Vancouver, Canada. For information, contact: Dr. Pierce Riemer or Miss Andrea Smith; IEA Greenhouse Gas R&D Programme; Stoke Orchard, Cheltenham, Glos. GL52 4RZ; United Kingdom; Tel: +44 (0)1242 680753; Fax: +44 (0)1242 680758; E-mail: [mail@ieagreen.demon.co.uk](mailto:mail@ieagreen.demon.co.uk).

## International Conference on Water Pollution Modelling, Measuring and Prediction

The Fourth International Conference on Water Pollution Modelling, Measuring and Prediction (Water Pollution 97) will bring together scientists, academics, industrialists, and water authorities of different countries. The conference will be held June 18-20, 1997 in Grand Hotel Toplice, Bled, Slovenia. For more information, query Liz Kerr, Water Pollution 97 Conference Secretariat, Wessex Institute of Technology, Ashurst Lodge, Ashurst, Southampton, UK S040 7AA. Telephone: 44-1703-293-223. Fax: 44-1703-292-853. E-mail: [wit@witcmi.ac.uk](mailto:wit@witcmi.ac.uk). Or, go to the web page <http://www.witcmi.ac.uk> and click on the conference information link.

## 2nd Biennial Conference of the American Society for Literature of the Environment

<http://faraday.clas.virginia.edu/~djp2n/asle.html>

To be held July 17-19, 1997 at the University of Montana, Missoula. Visit the web site for more information.

## International Conference on Air Pollution

Fifth International Conference on Air Pollution will be held September 16-18, 1997 in Bologna, Italy. For more information, query Liz Kerr, Air Pollution 97 Conference Secretariat, Wessex Institute of Technology, Ashurst Lodge, Ashurst, Southampton, UK S040 7AA. Telephone: 44-1703-293-223. Fax: 44-1703-292-853. E-mail: wit@witcmi.ac.uk. Or, go to the web page <http://www.witcmi.ac.uk> and click on the conference information link.

## International Conference on Urban Transport and the Environment

Third International Conference on Urban Transport and the Environment will be held September 23-25, 1997 in Acquasparta, Italy. For more information, query Paula Doughty-Young, Urban Transport 97 Conference Secretariat, Wessex Institute of Technology, Ashurst Lodge, Ashurst, Southampton, UK S040 7AA. Telephone: 44-1703-293-223. Fax: 44-1703-292-853. E-mail: wit@witcmi.ac.uk. Or, go to the web page <http://www.witcmi.ac.uk> and click on the conference information link.

## International Conference to Examine Effects of Development on Ecosystems

The first International Conference on Ecosystems and Sustainable Development will be held October 14-16, 1997 in the Castle of Peñiscola, Spain. For more information, query Liz Kerr, ECOSUD 97 Conference Secretariat, Wessex Institute of Technology, Ashurst Lodge, Ashurst, Southampton, UK S040 7AA. Telephone: 44-1703-293-223. Fax: 44-1703-292-853. E-mail: wit@witcmi.ac.uk. Or, go to the web page <http://www.witcmi.ac.uk> and click on the conference information link.

## Catalyst '97

**Catalyst '97**, is planned as a conference to continue momentum gathered at the Catalyst '95 Conference Rethinking the Built Environment (printed proceedings of Catalyst '95 are available for AUS \$40 plus AUS \$5 s/h). This is an interdisciplinary conference focused on the links between the design of the built environment and the transformation to a sustainable society.

The conference brings together professionals, activists, academics and students who are concerned with environmental quality and protection, in a setting that will allow networking and proactive planning as well as advances in social-ecological-design thinking.

Catalyst '97 will be held December 5 - 8, 1997 in Canberra, Australia at the University of Canberra. For more information contact: Dr. Janis Birkeland, Co-Director, Centre for Environmental Philosophy, Planning and Design; University of Canberra, PO Box 1, Belconnen ACT 2616; Australia. Phone + 61 6 201 2693; Fax Phone + 61 6 201 2279; E-mail: [jlb@design.canberra.edu.au](mailto:jlb@design.canberra.edu.au)

## Quality Assurance for Natural Resources

This conference sponsored by the American Society of Civil Engineers will take place October 7-9, 1997 in Minneapolis, MN. The theme is a global issue with emphasis on economics and natural resources preservation and utilization. The disciplines involved include: environmental, geotechnical, intermodal transportation, regulatory compliance, performance monitoring, innovative materials, and risk assessment. Papers related to quality assurance/quality control aspects of risk assessment, infrastructure design and construction, dredging and disposal, transportation, performance monitoring, and litigation issues are specifically requested. 200 to 400 word abstract of the paper may be submitted to:

Debra Reinhart, Associate Dean, College of Engineering; University of Central Florida; PO Box 162993; Orlando, Florida 32816-2993; phone (407) 823-2156 or fax (407) 823-5483; E-mail: [reinhart@pegasus.cc.ucf.edu](mailto:reinhart@pegasus.cc.ucf.edu)

## Intecol - VII International Congress of Ecology

<http://www.tamnet.it/intecol.98>

The International Association for Ecology (INTECOL) in conjunction with the Italian Ecological Society (SIte) announce the VII International Congress of Ecology, an endeavor to bring together all ecologists to examine the relationships of human activities and the environment in both scientific and social dimensions. The conference will take place July 19-25, 1998, in Centro Affari & Palazzo Internazionale Congressi, Florence, Italy.

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