

CAREER OPPORTUNITIES IN ENVIRONMENTAL POLICY/PROGRAM MANAGEMENT

Description of Field

Over the past 100 years, environmental policy careers have tracked the environmental movement generally. Early efforts were targeted at conservation and preservation, which then grew into the pollution regulation and mitigation focus of the 1970's through the mid-1990's. Today's environmental managers and policy makers are focused on pollution prevention and integration of environmental considerations into economic and social decision-making.

Population and economic growth pressures are creating complex environmental problems that directly impact all aspects of human society. Sustainable development, once the cutting edge of environmental issues, is now expanding to incorporate education, governance and democracy, poverty reduction, public health, security, and economic strategy along with traditional environmental fields of agriculture, natural resource management, pollution abatement and conservation. For example, waste management cannot be addressed with simply landfill policies, but must incorporate smart growth, recycling, emission capture, and creation of markets to turn waste into a useful commodity.

Challenges for today's international environmental policy analysts include: controlling global climate change, considering environmental regulations in treaties and trade agreements, creating environmentally and economically sustainable development, and helping the private sector find ways to incorporate environmental concerns into business planning. In much of the world, basic environmental management such as water resources, wetlands protection and restoration, and environmental health are also very important developments as economic progress puts stress on existing systems.

Career-related activities within this field include policy and scientific research, environmental education and advocacy, regulatory and legislative design, technical assistance to government agencies for planning and management, regulatory compliance and enforcement, and entrepreneurial development in environmental products and services.

Career Paths and Entry Salaries

Entry level positions in international environmental policy can be found in government, private industry, international organizations, and research, nonprofit and non-governmental organizations.

U.S. federal government is the largest single employer in the environmental career world. While the Environmental Protection Agency is the agency traditionally associated with environmental policy development in the U.S., including international environmental policy, many federal agencies pursue international environmental activities, including agencies like the U.S. Forest Service, U.S. Fish and Wildlife Service, U.S. Food and Drug Administration, USAID and the U.S. Department of State. One program that provides entry into the federal government is the Presidential Management Fellowship.

The private sector has both traditional businesses and consulting firms. Traditional businesses seek qualified managers to work in environmental compliance programs, to incorporate environmental concerns into business strategies, to improve performance by waste reduction and energy efficiency, and to develop sustainable strategies. Environmental consulting firms provide technical assistance to both domestic and foreign government agencies as they work on environmental problems and solutions. They need both administrative managers who write and manage the contract proposals and technical experts who provide the research for

various tasks in an awarded contract. Starting as a contract employee with a consulting firm might provide an entry point into environmental consulting. While starting salaries are not unusually high, income is often supplemented with supplements for staff that travel overseas regularly.

Employment opportunities within nonprofit, non-governmental, and international organizations are highly competitive and not as numerous as within the other sectors mentioned. According to a survey by the Environmental Careers Organization, the 30 best-known environmental nonprofit organizations employ less than 5,000 employees total, and approximately half of those employees are with The Nature Conservancy, the largest environmental nonprofit group. While salaries are sometimes lower in nonprofits than in government or private organizations, nonprofit boards are showing more willingness to reward hard work with increased compensation in order to maintain organizational stability.

Demand

While the need for understanding of global environmental issues is great, jobs in the field are very competitive as many students are interested in international environmental careers.

Positions in federal government are being privatized to increase flexibility, so networking to determine the appropriate contractors for specific policy areas is important. International organizations also hire contractors through personal and professional connections. Even nonprofit and non-governmental organizations are flooded with applications for program positions.

Qualifications Necessary to Enter the Field

In most cases, a graduate degree is essential to success in the international environmental field. Programs in public policy, environmental management, international relations, public health or law can provide some of the necessary skills. Some institutions offer joint degrees, allowing students to get skills in both policy analysis and environmental science. Expertise in regional politics and economics are helpful in understanding economic, political, and social consequences of environmental policy decisions. An environmental science or water engineering background is also valuable in positions where specialized knowledge is important.

In addition to educational credentials, a demonstrated commitment to environmental issues is critical to success in this field, shown through both volunteer and paid experiences. These experiences will also provide essential networking opportunities. However, passion and commitment will not be sufficient for a career in environmental advocacy. Nonprofit organizations look for staff with management, analytical, communications and fundraising skills. Coursework in nonprofit management or social entrepreneurship is important for a career in nonprofit and nongovernmental organizations. Prior experience in an overseas setting, such as Peace Corps, or prior experience in a domestic setting that is transferable to an international issue, like rural water distribution, is critical to a successful career search. Internships and volunteer experiences are also good ways to gain needed experience.

Multidisciplinary education and experience are also important for international environmental positions, which have now expanded beyond strict environmental issues to include economics, politics, negotiation, and management. The ability to bring other disciplines to bear on the solutions to environmental problems is an important skill, as most jobs will require more than one type of skill. In addition, the ability to translate the science into policy will be highly regarded.

As in all international careers, foreign language skills and overseas field experience are desirable to potential employers and highly recommended; employers such as the World Bank require a second language. GIS and information technology skills are also valuable.

Examples of Fletcher Courses in this Field

Students may wish to consider the following courses as preparation for this career field, but this list is illustrative, not comprehensive:

- ILO L205: Seminar on Law of the Sea
- ILO L220: International Organizations
- ILO L221: Seminar on Actors in Global Governance
- ILO L223: Seminar on International Environmental Law
- ILO L240: Legal and Institutional Aspects of International Trade
- ILO L243: Seminar on International Legal Aspects of Globalization
- DHP D220: Processes of International Negotiation
- DHP D221: Seminar on International Mediation
- DHP D223: Conflict Resolution Theory
- DHP D224: International Multilateral Negotiation
- DHP D227: Law and Politics of International Conflict Management
- DHP D233: Daily Risks and Crisis Events: How People and Planners Cope with Vulnerability
- DHP D238 Globalization, Development and Humanitarianism: Ethics and Personal Transformation
- DHP H202: Oceanic History
- DHP H203: Contemporary Issues in Oceanic Studies
- DHP P211m: Project Management and Development
- DHP P250: Elements of International Environmental Policy
- DHP P251: International Environmental Negotiations
- DHP P253m: International Biodiversity Conservation
- DHP P257: Corporate Management of Environmental Issues
- DHP P258: Clean Energy Technologies and Policy
- EIB E213: Econometrics
- EIB E243: Seminar on Agriculture and Rural Development in Developing Countries
- EIB E246: Natural Resource and Environmental Economics
- EIB E248: Economic Development and the Environment
- EIB B284: Petroleum in the Global Economy
- EIB B290: Leadership: Personal and Organizational Challenges

Sample Group of Employers

Private Sector

- Chemonics International, Inc. <http://www.chemonics.com>
- Development Alternatives, Inc. <http://www.dai.com>
- Environmental Resources Management <http://www.erm.com>
- ICF Consulting Group, Inc. <http://www.icfconsulting.com>

Research, Nonprofit and Non-Governmental Organizations

- Audubon International <http://www.audubonintl.org>
- Conservation International <http://www.conservation.org>
- Friends of the Earth <http://www.foe.org>
- International Institute of Environment and Development <http://www.iied.org>
- International Institute for Sustainable Development <http://www.iisd.org>
- Natural Resources Defense Council <http://www.nrdc.org>
- The Nature Conservancy <http://nature.org>
- Research Triangle Institute <http://www.rti.org>
- World Conservation Union <http://www.iucn.org>
- World Resources Institute <http://www.wri.org>
- Worldwide Fund for Nature <http://www.panda.org/>
- World Wildlife Fund <http://www.wwf.org/>

International Organizations

- European Union <http://europa.eu.int>
- North American Commission for Environmental Cooperation <http://www.cec.org>
- Organization for Economic Co-operation and Development <http://www.oecd.org>
- United Nations Development Program <http://www.undp.org>
- United Nations Environment Program <http://www.unep.org>
- United Nations Industrial Development Organization <http://www.unido.org>
- World Bank Group <http://www.worldbank.org>
- World Trade Organization <http://www.wto.org>

U.S. Federal Government

- Agency for International Development <http://www.usaid.gov/environment/>
- Department of Agriculture <http://www.usda.gov/>
- Foreign Agricultural Service <http://www.fas.usda.gov>
- Forest Service <http://www.fs.usda.gov/global/>
- Department of Defense <http://www.defenselink.mil/>
- Defense Environmental Network and Information Exchange <https://www.denix.osd.mil/>
- Department of Energy <http://www.doe.gov>
- Department of Health and Human Services,
Food and Drug Administration <http://www.fda.gov/oia/homepage.htm>
- Department of the Interior <http://www.doi.gov/intl/>
- Fish and Wildlife Service <http://www.international.fws.gov>
- Department of State, Bureau of Oceans and International Environmental and Scientific Affairs
<http://www.state.gov/g/oes/>
- Environmental Protection Agency Office of International Affairs
<http://www.epa.gov/international/>
- House Committee on Energy and Commerce <http://energycommerce.house.gov/>
- House Committee on Resources <http://resourcescommittee.house.gov/>
- Senate Committee on Agriculture, Nutrition and Forestry <http://agriculture.senate.gov/>
- Senate Committee on Energy and Natural Resources <http://energy.senate.gov/>
- Senate Committee on Environment and Public Works <http://epw.senate.gov/>

Future Challenges of the Profession

Through the hard work of many dedicated individuals, environmental issues have become more integrated into thinking about all development issues. Taking that awareness and translating it into

global action is the next challenge, particularly in countries where local officials are not accustomed to taking the lead on solving environmental problems. Many environmental problems will require multilateral solutions, and creating and enforcing those agreements will be a key to the success of future efforts.

Resources for Additional Information

Internet Resources

- Center for Environmental Citizenship's EarthNet <http://www.envirocitizen.org/enet/jobs/index.asp>
- DevNetJobs.org <http://www.devnetjobs.org>
- Environmental Career Opportunities <http://www.ecojobs.com> OCS subscribes to this online listing; user name and password information can be found under "OCS Job listserv Subscriptions" in the Fletcher Intranet.
- EnvironmentalCareer.com <http://www.environmentalcareer.com>
- Publisher of National Environmental Employment Report (print newsletter)
- Environmental Careers Organization <http://www.eco.org>
- Environmental Organization Web Directory <http://www.webdirectory.com>
- Environmental Yellow Pages <http://www.enviroyellowpages.com/>
- Green Biz <http://www.greenbiz.com/jobs/>
- Green Directory <http://www.greendirectory.net/jobs/>
- Green Dream Jobs <http://www.sustainablebusiness.com>
- Idealist <http://www.idealists.org>
- International Career Employment Weekly <http://www.internationaljobs.org> OCS subscribes to the this online listing; user name and password information can be found under "OCS Job listserv Subscriptions" in the Fletcher Intranet.
- Orion Grassroots Network <http://www.orionsociety.org/pages/ogn/ics.cfm>
- SustainUs www.sustainus.org
- OneWorld <http://www.oneworld.net>
- The Regional Environmental Center for Central and Eastern Europe <http://www.rec.org>

Publications

Careers in the Environment (VGM Professional Careers Series), by Michael Fasulo and Paul Walker, McGraw-Hill/Contemporary Books; 2nd Edition, 2000.

Conservation Directory 2004: The Guide to Worldwide Environmental Organizations, by National Wildlife Federation, Island Press, 2004.

The ECO Guide to Careers that Make a Difference, The Environmental Careers Organization, 2004
World Directory of Environmental Organizations, by Ted Trzyna, California Institute of Public, 6th Edition, 2001.

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- Conservation Directory: The Guide to Worldwide Environmental Organizations, National Wildlife Federation, 2004
- ECO Guide to Careers that Make a Difference, The, The Environmental Careers Organization, 2004