

Final Annual Report to the Henry R. Luce Foundation
From
The Fletcher School, Tufts University
Center for International Environment & Resource Policy

June 2006

*Graduate Education for International Environmental Governance
and Solutions*



Center for International Environment & Resource Policy

Our Vision, Mission & Values

Vision:

Our vision is for all people to live sustainably in a world free of environmental degradation.

Mission:

Our mission is to educate students to become policy and decision makers who will assure that environmental goods and services contribute to human well being now and in the future.

Values:

Our core values are:

- Educating emerging global leaders
- Protecting environmental benefits for future generations
- Assuring equitable access to natural resources
- Cultivating international relationships, particularly those between developing and industrialized countries

<http://www.fletcher.tufts.edu/ierp>

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Graduate Education for International Environmental Governance and Solutions

Executive Summary

During the final year of the *Graduate Education for International Environmental Governance and Solutions* Project, The Center for International Environment and Resource Policy (CIERP) at The Fletcher School of Law and Diplomacy, Tufts University has been able to institutionalize operational funds and expand upon fundraising efforts to endow the Center. In addition, many of our student-oriented programs and activities would not have been possible without this generous four-year grant provided by the Henry R. Luce Foundation.

In our final year of this grant, CIERP has continued to leverage opportunities at Fletcher through our successful environment and resource policy curriculum, research and outreach programs, financial aid and the advancement of higher education through technology and competent administration. An example of the capacity created through our receipt of the Luce grant is a Fletcher funded administrative position for the Center. For the past four years, the CIERP Assistant Director position has been primarily funded through this grant enhancing the Center's ability to advise and create new opportunities for our

graduate students. Because of the importance of this position and its creation and support by the Luce Foundation, the Fletcher School has now agreed to fund the position fully within the university budget. This demonstrates a strong, growing commitment to having a research and education center such as CIERP at Fletcher.

Similar to last year, the Henry R. Luce Foundation grant helped us to pioneer a new approach to fellowship awards and financial aid at the Fletcher School. Through the Henry R. Luce financial aid fund, we were able to provide full tuition for a doctoral student from Switzerland who is studying pastoral conflict and environment resource distribution in Africa. This has continued the Center's vision to fully fund doctoral students to attend Fletcher—a policy that was never before entertained and is now becoming a priority at the school. Because of the Center's PhD and Master's fellowship awards, Fletcher has provided matching or supplemental funds to a number of our environmental governance students and is taking part in a continuing initiative by the Office of the Provost to provide an additional \$1 million in fellowships to doctoral students across the University. A number of CIERP students have benefited from these Provost fellowships and we hope to continue this benefit in the future.

Over the four year grant period, we have provided a total of 54 summer internship grants to students traveling across the globe to work on environmental issues ranging from rural electrification to corporate social responsibility. Of these 54 internships, we were able to fund five for this coming summer—an opportunity we had not planned to offer at the start of this final grant year. The full details of these five scholarships are provided later in this report.

The Center along with Fletcher's development office and the Dean's office has continued to raise endowment funds to support the Center, its programs and an endowed professorship. This is a priority of the next capital campaign (which will be announced soon as the school is currently in the silent phase of the campaign) and fund raising has already begun a number of large and many smaller gifts. To date, we have raised well over \$400,000 in endowment funds in both restricted and unrestricted contributions. An example of one restricted gift is for the creation of a fund specifically for providing scholarship aid to international students who would like to pursue the study of environment and resource issues at Fletcher.

CIERP has also been able to move into a suite of offices and common space that has improved the capacity of environmental faculty and staff to work together,

and better serve our students. We have provided students with a library/study area and hosted a Fulbright Research Fellow working on trade policy and environmental negotiations. Taken together with our current compliment of Fletcher faculty covering environmental policy, negotiations, sustainable development and science, technology and policy and several visiting faculty offering specialized courses, we now offer the strongest program of its kind in the country.

Curriculum & Educational Successes

During the past academic year, we continued to offer multiple interdisciplinary courses on environmental governance and sustainable development including:

- ❖ Developing Countries and the Global Politics of Sustainable Development (this year to be offered during Fletcher's Summer School Program)
- ❖ Elements of International Environmental Policy
- ❖ International Environmental Negotiations
- ❖ International Biodiversity Conservation
- ❖ Clean Energy Technology and Policy
- ❖ Corporate Management of Environmental Issues
- ❖ Natural Resource and Environmental Economics
- ❖ Seminar on International Environmental Law
- ❖ Economic Development and the Environment

The newest of these courses, International Biodiversity Conservation, was offered by one of the Center's Adjunct Professors Dr. Charles Chester. In this seminar course, the UN-sponsored Millennium Ecosystem Assessment was discussed in the context of ecosystem and resource loss and its impact on poverty. The course examined the causes and consequences of this loss of biological diversity and assessed how governments, civil society, and the private sector have responded to the problem at bi-national, multilateral, and global scales. By coming to an understanding of the origins and operations of ten specific multilateral environmental agreements and institutions, the class explored the increasingly complex dynamics between these multiple actors and interests. A dominant theme running throughout the course was the tension between "preservationist" ideals and "conservationist" approaches to the sustainable use of biological resources.

One major accomplishment by two Center students was their receipt of national fellowship awards. Through their participation at CIERP and in our university wide certificate program, *Water: Systems, Science and Society* (WSSS), Georgia

Kayser and Ned Spang (both Fletcher Masters recipients in 2006) have secured full tuition and research stipends for their work on Water and Health through the National Institute of Health's Traineeship Program. Both students were recipients of Luce support during their Masters research and as they embark on their doctoral work, they now have full federal funds to pursue their PhDs. Ms. Kayser will work on watershed management, sanitation and poverty in the Mesoamerica region and Mr. Spang on global wind potential for desalination plants—both subjects that are relevant to CIERP's mission and faculty expertise.

CIERP is currently in the planning phase for holding an international executive training program in Environmental Diplomacy. This program will engage CEOs, leaders in the World Bank, heads of NGOs and other environmental professionals in understanding bi-lateral and multilateral negotiations and diplomacy. Using natural resource case studies, faculty from Fletcher and experts external to Tufts will train the world's current and future leaders in environmental policy to effectively utilize diplomatic and negotiation tools. The curriculum will cover interacting with the media, developing strategy, and the theoretical framework for diplomatic interactions.

We have also been invited by the Dutch government to develop training materials for forestry negotiations. This year, Prof. Najam successfully chaired a project supported by the Danish government to make recommendations to improve global environmental governance. Prof. Moomaw and two graduate students also participated in this project along with about 15 additional experts from around the globe. These recommendations are now being considered by the UN Environmental Program. Finally, Prof. Kahn has published several major research studies utilizing environmental economics to determine relationships between economics and sustainable development. Other work has been published by Prof. Moomaw and Najam.

As part of the Center's new educational technology initiative spearheaded by the Assistant Director, we worked similar to last year to produce an online tool for students, faculty and staff at Fletcher and Tufts-wide for the purpose of connecting people who have common interests, facilitating collaboration on environmental research proposals and courses, and providing students with a virtual sense of an 'environmental home' at the university. To date, over 100 participants at the university have signed up and we plan to hold faculty trainings and begin a major outreach effort for the EcoLinkUp system this summer.

Strategic Partnerships

An approach the Center continued to work on in our final year is our connection to and follow-up with internal and external partners who can contribute positively to our programming. Through a concerted effort between the Center, Fletcher's Office of Career Services and Tufts' Global Development and Environment Institute (an economics and environment research center at the university), Fletcher has solidified a partnership for student internships, research and future employment opportunities with Winrock International, an international NGO that uses innovative approaches in agriculture, environmental protection, renewable energy, leadership development, and policy to increase long-term productivity, equity, and responsible resource management for the benefit of the poor and disadvantaged. This partnership has sparked interest among the university overall and is now being expanded to offer opportunities to other graduate students in our professional programs (e.g. famine work for students at the Friedman School of Nutrition Science and Policy and animal health opportunities for veterinary students at Tufts' Cummings School of Veterinary Medicine).

The Center has solidified a program in water health and policy through its involvement in a transboundary watershed management project in the Central American region. CIERP's primary partner is the Mesoamerican Barrier Reef Project (MBRS)—a World Bank-GEF funded intergovernmental agency located in Belize and serving the countries of Belize, Mexico, Guatemala and Honduras. Through the MBRS Project, the Center had four Fletcher students working on data collection and analysis and continued on as research assistants through the fall under financial support by the MBRS Project. CIERP has also served as a technical consultant for the transboundary watershed assessments and has formalized strong ties for future research in the region.

Lastly, the Center has provided research support to organizations through the International Institute for Sustainable Development (IISD), UNESCO and the Boston-based Consensus Building Institute (CBI) through both our students and faculty. These consultancies provide students with hands-on, practical experience and should be expanded in the upcoming year to engage many members of the Fletcher graduate community.

Student Practicum Internships

For the summer of 2006, CIERP has funded 5 graduate students to take part in practical field experiences. In our original grant plan, we did not expect to fund any internships for the summer of 2006. However, by leveraging funds for other

commitments, we are pleased to be able to fund these five students for the upcoming summer.

A listing of the internship projects is provided below:

List of Student Practicum Internships for Summer 2006

1. Leslie Kersey
Appropriate Infrastructure Development Group (AIDG), South America
❖ To develop programs that increase the utilization of environmentally friendly infrastructure through education, training, outreach, and business incubation within targeted communities in developing countries

2. Raya Widenoja
International Network for Bamboo and Rattan (INBAR), Beijing, China
❖ To conduct research on the development of rural livelihoods, environments and businesses through the use of bamboo and rattan

3. Christi Electris
Center for Technology, Policy and Industrial Development, Boston
❖ To develop new knowledge, advanced technological strategies, and innovative partnerships that address global industrial and policy issues

4. Andrea Zamosa
UNEP, Marine Protected Areas Program, Jamaica
❖ To work on projects with coastal zone managers and fisheries officials on marine protected area policies and policy implementation

5. Lauren Inouye
The Climate Group, London
❖ To assist with and create new programs for emission reduction solutions and positive collaborations across the government, business and non-profit sectors

In addition to appreciation from our current student for their support from the Henry Luce Foundation, one of our graduating students who benefited during last year's internship program has enclosed a letter of thanks. She was able to

develop a publication, also enclosed, from last summer's work at IIED and benefited professionally through her internship made possible by the Luce grant.

Student Fellowship Support

During the final year of the Henry R. Luce grant, we again provided \$100,000 in fellowship support to entering and returning students. As mentioned previously, the Center has been the leader in starting a trend at the Fletcher School to provide adequate resources for students to pursue doctoral education.

Henry R. Luce Fellows 2005-2006

Patrick Meier: First-year PhD candidate from Switzerland; working on pastoral conflict and resource allocation in Africa

Robin White: Returning MALD student from Canada; studying climate change negotiations and energy policy

Cristiana Pasca Returning PhD candidate from Romania; working on environmental degradation and governance in Eastern Europe

Elizabeth Chalecki Returning PhD candidate; studying the role of environment in national and international security and conflict

Josh Newton Returning MALD student; working on transboundary water policy and its impact on livelihoods

In addition to supporting our students financially, the Center has provided opportunities for students to publish their work. Four students Ioli Christopoulou, Mihela Papa, Maja Ilic and Christi Electris all contributed research articles to a special edition of the Journal of South East European Studies for a special issue dedicated to environmental issues that was edited by Prof. Moomaw.

Student Conference Support

Approximately \$2,000 in travel and conference support was awarded from Luce funds to allow Fletcher students to present their research and/or attend conferences pertinent to their discipline. This funding was critical for current students to engage with senior colleagues in their discipline. Sponsorship enabled Fletcher students to participate in a range of professional activities including conferences on resource conflict to workshops on the linkages between poverty and environment.

Program Advancement

As mentioned, the Center has continued our fundraising efforts among foundations, private donors and Fletcher alumni. This year we met with an alumni fundraising committee in D.C. and discussed strategies for next steps given the completion of the Luce grant project. To date, we have received individual contributions in the amount of over \$400,000 toward our \$5 million Center endowment goal. The Center received some specific project grants for student research on sustainable development and energy from internal university sources and is awaiting decision on a two-year \$200,000 proposal sent to The Tinker Foundation for a watershed management project.

The Dean of The Fletcher School, Stephen Bosworth, has continued to advocate on behalf of the Center's activities and its importance as an integral program at Fletcher. We continue to seek out long-term funding and hope to meet this operational goal in the coming academic year.

Speakers & Conferences

In our final year, the Center hosted an extensive outreach program of events, speakers, conferences and meetings to enhance the co-curricular opportunities available to students and faculty at Fletcher. The Center's outreach would not be possible without the financial support of the Henry R. Luce foundation.

List of Seminars, Speakers and Conferences Supported by Henry R. Luce Funds

The Future of Climate Negotiations: Kyoto and Beyond—An Expert Panel Discussion

Mukul Sanwal, UN Climate Convention Secretariat, Bonn

Youba Sokono, Observatory for the Sahel and Sahara (OSS), Tunis

Kiliparti Ramakrishna, The Woods Hole Research Center, Woods Hole (and The Fletcher School)

William Moomaw, The Fletcher School for Law and Diplomacy

Adil Najam, The Fletcher School for Law and Diplomacy

Time: 5.00 – 6.30 PM

Location: Cabot 205

"Defending Traditional Corn: The Political, Economic, and Environmental Impacts of GMO Corn in Mexico." Perspectives from a Mexican corn producer.

Time: 12-1:30 pm

Place: Brown Bag lunch (drinks and snacks will be provided) The Murrow Room

"Does Science Influence International Treaty Making? The Climate Case"

Dr. Bert Metz--Senior Researcher at the Netherlands Environmental Assessment Agency and co-chairman of the Working Group on Climate Change Mitigation of the Intergovernmental Panel on Climate Change (IPCC) of the UN for the Third and Fourth Assessment Report

Time: 4:00 pm

Place: Cabot 703, Cabot Hall

The Second Annual Moomaw-Everett Debate: "Is Modern Economic Growth Sustainable?"

Here our very own Fletcher professor once again square off about an issue related to energy, environment, globalization, economics and international affairs!

Time: 6:00 pm

Place: ASEAN Auditorium, Cabot Hall

IPCC Influence on Climate Diplomacy

Dr. Bert Metz, co-chair of the Intergovernmental panel on Climate Change Mitigation working group, and a leading Dutch expert on climate spoke about "IPCC influence on Climate Diplomacy."

Do People Vote With Their Feet?: An Empirical Test of Environmental Gentrification Join Fletcher Professor Matt Kahn and the Center for International Environment & Resource Policy (CIERP) to hear a talk by Randy Walsh, Department of Economics and Institute for Behavioral Science.

“Shining a Light on Environmental Scholarship”

The Tufts University Office of the Vice Provost is hosting a series of Research Days to showcase current research on Tufts University's three campuses and at its affiliated hospitals. The third of these events will be Shining a Light on Environmental Scholarship at Tufts. Dr. Adil Najam of the Center for International Environment and Resource Policy at The Fletcher School will be one of the day's keynote speakers.

The Republican War on Science

The Fletcher School's Center for International Environmental Resource Policy (CIERP) and Environmental Sustainability Initiative (ESI), along with Tufts Institute of the Environment (TIE) and Global Development and Environment Institute (GDEI) present Mr. Chris Mooney, author of this controversial book that sparks debate on some of the world's most timely environmental challenges.

Film Screening: “Baraka”

An environmental cult classic. Without words, cameras show us the world, with an emphasis not on "where," but on "what's there." It begins with morning, natural landscapes and people at prayer: volcanoes, water falls, veldts, and forests; several hundred monks do a monkey chant. Indigenous peoples apply body paint; whole villages dance. The film moves to destruction of nature via logging, blasting, and strip mining. Images of poverty, rapid urban life, and factories give way to war, concentration camps, and mass graves. Ancient ruins come into view, and then a sacred river where pilgrims bathe and funeral pyres burn. Prayer and nature return. A monk rings a huge bell; stars wheel across the sky.

The Future of Climate Negotiations Post-Montreal COP

Deputy Assistant Secretary of Environment for the Department of State, Mr. Dan Reifsnyder, will share the American perspective on climate change negotiations given the outcome at the last Convention Of the Parties.

Summary

This final year of the Center's Henry R. Luce grant has been yet another success and has continued to serve the Fletcher community through its education, research and outreach. The attached budget reflects allocations to the major categories discussed in this annual report. We look forward to continuing our work and hope to collaborate with the Henry R. Luce Foundation in the future.

Graduate Education for International Environmental Governance and Solutions
Final Annual Report: June 2006

Center for International Environment & Resource Policy, The Fletcher School
2005-2006 Final Year Budget

Graduate Education for International Environmental Governance and Solutions
The Henry R. Luce Foundation

	<i>Henry R. Luce Fund Allocation</i>	<i>Matching Funds from The Fletcher School</i>
Course Development/Curriculum	\$15,000.00	\$6,000.00
Speakers & Events	\$11,370.00	
Computer, Web Development, Library	\$5,625.00	\$1,500.00
Assistant Director	\$49,999.00	\$12,750.00
Administrative Support		\$9,000.00
Internships	\$10,000.00	
Student Conference Support	\$2,225.00	\$400.00
Fellowships & Research Assistantships	\$127,000.00	\$175,000.00
Indirect Cost	\$28,760.00	<i>note: above exact amount unknown at this time (likely \$175,000)</i>
TOTAL YEAR 4	\$250,000.00	\$204,650.00

Center for International Environment & Resource Policy, The Fletcher School
Overall Project Budget

Graduate Education for International Environmental Governance and Solutions
The Henry R. Luce Foundation

	<i>Henry R. Luce Fund Allocation</i>
Course Development/Curriculum	\$84,295.00
Speakers & Events	\$46,112.00
Computer, Web Development, Library	\$16,326.00
Assistant Director	\$150,068.00
Internships	\$144,781.00
Student Conference Support	\$8,825.00
Fellowships & Research Assistantships	\$336,000.00
Indirect Cost	\$113,593.00
TOTAL PROJECT EXPENDITURES	\$900,000.00

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