



Human Dimensions of Global Change

Specialty Group Newsletter

Summer/Fall 2003

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EDITORIAL

The Next 10, The Next 100 Years

In late July, the Bush Administration's Climate Change Science Program came out with its final 10-year Strategic Research Plan (see <http://www.climatescience.gov>). Some of you may remember my call for input late last fall. This plan – laying out research objectives for climate change and related global changes, i.e., combining the relatively new Climate Change Research Initiative and the well-known U.S. Global Change Research Program – has received considerable input from the scientific community and the larger interested public. In December 2003, a 3-day conference gave some 3,000 experts the opportunity to comment on the draft in detail; a public comment period brought together several hundred comments (including from some of you); and a specially convened committee of the National Research Council reviewed the draft, and will review the final version and the process of developing it later this year.

The earlier draft, as you may recall from my comments, was outrageously politically biased (policy-driven) and lacking the very basics of a strategic research plan. After reviewing the final version, I can say that the plan has considerably improved – both overall, and in the specifics of each research element. For example, due to not small degree to our own Diana Liverman's input (she served on the NRC committee), the Human Dimensions research element is now more broadly conceived and better balanced. One still needs a decent modicum of imagination and liberty in interpretation to recognize what we're about and where we're headed, but there are now a few sufficiently open research questions that we can sink our teeth in.

I recommend that you check out that chapter, along with the one on decision-support – this will alert you to those areas of HD interest where we can expect calls for proposals in the near future.

So much for the next ten years. But of course, this is the fall before the AAG Centennial Meeting in Philly, and our outlook should be longer than a decade. Please take a look at the general and specific calls for papers in this newsletter (and note, these are just the few that have arrived in my inbox so far; feel free to send me such calls and I'm happy to pass them along to our members!).

Here is one grand opportunity to look backward and forward all at once! One grand permission to unabashedly showcase what we do and have to offer! Where have we come from, where do we want to go? What are the opportunities and obstacles in developing the human dimensions research agenda? What SHOULD we be focusing on to ensure the greatest progress for our subdiscipline? And how can we be of greatest relevance to the wider global change research community, not to speak of the policy and decision-making communities?

Remember, we get the greatest bang for the buck (read: audience and discipline-wide impact) for specialty group co-sponsored sessions. So, send me your co-sponsorship requests, your calls for papers, or even your solo paper looking for a home, and I'll forward them all to the rest of the group.

Come on out with that great stuff of yours. You just don't know how much of a difference you could make in the coming decade and century, if only you were to put it out there to the rest of us!

As always,

Susi Moser

SPECIALTY GROUP NEWS

New Address!

Note the new contact information for the HDGC Specialty Group Chair, Susi Moser

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Student Travel Support awarded!

In collaboration with the organizers of the Open Meeting in Montreal, the Specialty Group has awarded two awards of \$500 each to HDGCSG student members **Rebecca Powell** (UC-Santa Barbara) and **Robert Neff** (Penn State). Congratulations!! If you see

them in Montreal, congratulate them and lend them a hand in getting connected and introduced. Here are two fine examples of the up-and-coming generation of HD researchers within our discipline!

National Councilor Nomination – !ne of Our Own!

Upon recommendation and consultation, I will nominate - in the name of the HDGC specialty group -- our Board of Directors member and current HDGCSG Secretary Treasurer and vulnerability expert Kirstin Dow, Ph.D. (Stockholm Environment Institute, University of South Carolina) as candidate for National Councilor of the AAG. Please consider voting for her when it comes time for elections!

AAG CENTENNIAL MEETING IN PHILADELPHIA, PA

March 14-19, 2004
Philadelphia Marriott

General Call for Papers

You are invited to submit a paper for presentation at the Centennial Meeting of the Association of American Geographers. The Centennial Meeting will take place March 14-19, 2004, in Philadelphia, PA. The AAG expects at least 3,000 presentations spanning the full range of the discipline. This once-in-a-century meeting also will feature several distinguished plenary sessions; special events galore; and the "Gaia Gala," the AAG's 100th Birthday Celebration. See upcoming AAG Newsletters and the AAG website for more information (http://www.aag.org/AnnualMeetings/Call_For_Papers/Call_For_Papers1.html).

Reminder: Make your hotel reservation early. There are bound to be MANY geographers for this special meeting! Details on the 2004 AAG Annual Meeting in Philadelphia can be found at the AAG web site -- <http://www.aag.org/> -- by clicking on the "Annual Meeting" link.

Specific Calls for Papers

The following are sessions the HDGC Specialty Group is co-sponsoring or willing to co-sponsor if papers from the specialty group are submitted to these sessions. Please consider submitting an abstract to any one of them – there is something for everyone. If interested, please contact the organizers directly.

Please remember: Registration and abstract submission are only available from the AAG web site. Also, special sessions can only be requested AFTER session presenters have individually registered for the meeting, and received their Participant Number (PIN). The paper registration deadline is October 9, 2003 , so please e-mail your Participant Number and presentation title to the session organizer before that deadline (see specific requests on deadlines in the individual sessions described below).

Are parks working? Exploring tradeoffs in protected area conservation

Sponsored by the Human Dimensions and Remote Sensing Specialty Groups

The effectiveness of parks as management regimes is much in debate. Much of the current discussion about the merits of participatory vs. exclusionist management regimes can be traced to the dearth of comprehensive, quantitative evaluations. The handful of recent comparative studies that have evaluated the effectiveness of parks in tropical regions, suggest that the creation of protected areas has had mixed outcomes. While exclusionary approaches can be successful in some instances at protecting forest cover, they do not account for the social ramifications of prohibiting local inhabitants from access to forest resources.

In order to address this complex issue, a careful synthesis of empirical case studies that incorporates additional data collection methods in an interdisciplinary, integrated fashion is needed. The integration of remote sensing and spatial analysis techniques into existing field and research based studies can prove particularly effective for this purpose. When supplemented by detailed fieldwork, analysis of remotely sensed data can be crucial in enabling geographers to analyze and interpret social activities and incentives that relate to land cover change.

This special session will bring together a broad array of research on the human dimensions of land cover change in protected areas, with empirical analyses from many different ecological, social and institutional contexts. In-depth case studies of the linkage between land cover pattern and human process in protected areas will be brought together in this session to understand how the interaction between social and biophysical driving forces vary over time and space in different regions of the world.

If you are interested in participating, please contact Harini Nagendra. Participants should register online for the conference, and send me their Presenter Identification Number (PIN), paper title and abstract no later than September 15th, 2003. The final deadline for submission is October 9th.

Organizers:

Harini Nagendra, Center for the Study of Institutions, Population, and Environmental Change (CIPEC), Indiana University, 408 N. Indiana Avenue, Bloomington, IN 47408. Telephone: (812) 855-2230; Fax: (812) 855-2634; Email: nagendra@indiana.edu

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Drought, Water Supply, Fire: How Does Regional Science Serve Society?

Session Organizer: Gregg Garfin, The University of Arizona

Session Description:

Every year, virtually all of the world experiences one of several forms of climatological impact. Poignant examples include drought in the US, Asia, and Europe, water supply pressures in the western US and Mexico, and severe fire across Australia, Europe, and much of the US. Regional science, place-based research initiatives, and stakeholder-driven research projects have provided valuable guidance for addressing pressing societal issues about response to and mitigation of regional climate impacts. This session seeks to explore the ways in which geographers are participating in and contributing to serving the needs of regional stakeholders and decisionmakers. The session invites papers that address questions such as "What kinds of innovations have geographers developed to address drought and water supply issues?" "How have geographers, whose holistic perspectives embrace human and physical science, contributed to a greater understanding of the interactions between researchers and decisionmakers?" "How are geographers contributing to the production of knowledge, and to the co-production of science and policy about society, water, ecosystems, and fire?"

Examples of some of the perspectives that might appropriate for inclusion in this session are:

- * Advances in theories/methods for assessing drought and water supply constraints and what the findings of such research mean for reducing social "risk" or "vulnerability"
- * Advances in climate research into climate-fire and climate-drought connections, and the implications of such advances for local communities, concerned citizens, and ecosystems
- * Advances in social science research aimed at understanding processes associated with the co-production of science and policy (i.e., how scientific entities and non-science entities interact-or not-to generate changes in institutions, policies, management practices)
- * Success stories that demonstrate the utility of geographic perspectives for addressing decision makers' needs for information, and producing fresh perspectives on drought, water supply planning, and fire management

Please send your abstracts to Gregg Garfin no later than September 25 (**see below **).

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*** Please note: Registration and abstract submission are only available from the AAG web site. Also, special sessions can only be requested AFTER session presenters have individually registered for the meeting, and received their Participant Number (PIN). The paper registration deadline is October 9, 2003 , so please e-mail me your Participant Number and presentation title no later than Thursday, September 25, 2003 to allow enough time for submission of the special session. ***

Coastal Matters and Human Dimensions of Global Change

Organizers: Diane Horn and Susi Moser

This is a proposed jointly sponsored session by the Human Dimensions of Global Change and Coastal and Marine Affairs Specialty Groups. We have at this point not narrowed the topic(s) any further, but would like to stimulate greater interaction between the two specialty groups, and their respective research interests. Possible issues include (but are not limited to)

- the management of SLR and related coastal hazards
- the role of science in coastal management
- policy dimensions of coastal hazards associated with climate change
- socio-economic dimensions of SLR impacts and coastal management
- psychological dimensions affecting perception, valuation, decision-making around coastal issues
- is adaptive management an appropriate and effective approach to managing global change impacts
- moving from reactive to proactive management approaches in coastal management

The format could be a paper session or a discussion panel.

Please send expressions of interest and intent (paper, discussion), with a brief description on what you would like to contribute to both Susi Moser (HDGC SG chair, smoser@ucar.edu) and Diane Horn (CoMA SG chair, d.horn@bbk.ac.uk) as soon as possible, but no later than September 30.

Ethics, Justice and Human Rights Issues connected with Global Change

The Ethics, Justice and Human Rights Specialty Group (EJHR SG) of the Association of American Geographers is the product of a recent merger between the former Values, Ethics & Justice, and Human Rights, specialty groups. Our aim is to support inclusive and informed discussion of ethics, justice and human rights issues by geographers as a legitimate and

important activity throughout the discipline. Toward this end, we wish to encourage presentations, and especially organized paper sessions and panels, at the 2004 AAG meeting to be held in Philadelphia, PA, March 14-19.

Do think broadly and inclusively about ethics, justice, and human rights as you plan your paper, panel session, or poster for the 2004 AAG meeting.

Karen Falconer Al-Hindi is serving as session coordinator for EJHR sessions. Please contact her to request EJHR sponsorship and/or co-sponsorship (contact Susi Moser for HDGCSG co-sponsorship), or to help you find a session for your paper, or to help you find additional papers or presenters for a session that you've got nearly completed.

If you would like your session to be sponsored by EJHR, please email Karen the following information no later than (and preferably before) September 30:

- *Name and affiliation of organizer
- *Name and affiliation of chair
- *Names of all presenters, their affiliations, and the titles of their papers

Please forward this notice to other individuals and lists as appropriate.

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Bringing the State Back In (to Geography)

Organizers: Lawrence E. Wood (PhD student, Penn State Geography) and Dr. Amy Glasmeier (Professor, Penn State Geography)

We believe that the setting (Philadelphia) and the 100th Annual Meeting of the AAG both provide a relevant occasion to examine the way in which geographers assess, understand, and engage the state (broadly defined and at various scales), from theoretical, empirical, and public policy perspectives. Academic analyses addressing issues of the state, whether in terms of local, regional, national, or international governance, are theoretically, empirically, and methodologically wide-ranging. Although it may appear that geographers have relegated state-related research to the back burner at this time, we question whether or not this is true and believe that many undertakings in current geographic research, if not directly critical of or engaging with the state, are at the very

least implicitly linked to state-related issues. Moreover, various state policies and procedures can be understood as remarkably spatial; they can enable or constrain social and economic processes and have varying spatial outcomes. In short, state activities and policies have geographic implications, and the upcoming AAG meeting provides an appropriate opportunity for geographers to collectively re-examine such issues. We welcome presentations that draw upon current or past research and that are either empirical or theoretical, with the hope of providing a chance to broadly reflect upon the intersection of geography and state-related matters.

Presentations could examine any of the following topics or associated issues, and we welcome a diversity of perspectives.

* **The State and Space:** Presentations could reflect upon the spatial implications and manifestations of state activities. Topics could range from the role of the state in capitalist development, to how the state might function in a largely socialist system. More specifically, presentations could assess the spatial implications of welfare state activities or the repercussions of the retreat from such policies; regulatory and (de)regulatory measures; migration policies; the intersection of the “public” and “private” spheres; and international issues and activities, such as those related to the IMF, World Bank, or WTO. Furthermore, presentations could assess issues such as the relevance or institutional capacities of local, regional, national, and/or global-level governing institutions.

* **Historical, Contemporary, or Comparative Analyses of State Activities:** Presentations could examine variations within or between governing institutions from an historical or contemporary perspective. More specifically, topics could include variations in state structures, policies, or activities, or differences amongst individual governing institutions either within a given location or across space.

* **Public Policy Assessment:** Presentations could examine state attempts to realize policy goals, with the understanding that policy activity can be coherent/incoherent; appropriate/inappropriate; achievable/unreachable; that any given initiative can have intended and unintended consequences; or that various initiatives can counteract one another. In short, presentations could address issues of the efficacy and geographic implications of policy initiatives.

* **Engaging the State in Research:** Related to public policy assessment more generally, research conducted by geographers often involves engaging the state, if not through state-sponsored research contracts specifically or participating in public policy formulation more generally, then through other interactions with governing institutions. Presentations could reflect upon such experiences.

* **Theoretical Conceptualizations of the State:** Presentations could assess theories of the state, from classical to critical and contemporary theories. Potential topics could include the relevancy or irrelevancy of state institutions at various scales; the capacity/incapacity of state institutions or individuals/groups within such institutions to act potently and autonomously; the state and its relationship to the functioning of capitalism; or questions of the extent to which globalization is eroding or enhancing the power of governing institutions at various scales.

* **The State and Society:** Presentations could assess how state activities intersect with issues of class, gender, race, ethnicity, or other matters, with the understanding that there is a range of possible relationships or interactions between state actors and social groups. Relatedly, presentations could focus on issues of contestation or contestability.

* **The State Apparatus:** Presentations could examine the state as an array of institutions, including educational, financial, and corporate institutions. Topics such as interconnections between institutions, or the relationship between institutions and various societal, economic, or political interests, could add excellent context to the session. Presentations could also address the role of the state or the state apparatus in fostering consensus and legitimization or promoting ideologies and interests. Finally, presentations could assess how institutional structures can impose limitations or, on the contrary, can be enabling.

If interested in participating or for further information, please contact Lawrence Wood at lew125@psu.edu. Although the registration deadline for the AAG meeting (online registration available at www.aag.org) is October 9th, we will appreciate all session participants having registered by October 6th so that we can take care of various organizational matters. Thanks again.

Daniel B. Luten Award (Professionals) & Early Cook Award (Students)
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Note: The following awards are not by the Human Dimensions specialty group but by the Energy & Environment SG. Membership in that SG is not required for submission of a paper. The topic, of course, offers considerable overlap with some of our own research interests. So go for it and good luck!

The Energy and Environment Specialty Group is sponsoring two awards for the Philadelphia Annual Meeting of the AAG.

The ***Daniel B. Luten Award*** is for the best paper by a professional geographer, and the ***Earl Cook Award*** is for the best paper by a student. The award includes \$250 prize, an engraved plaque, and formal announcement at the AAG meeting. The four simple requirements are:

- " The topic must be on energy, environment, or a mix of the two;
- " Papers must be delivered verbally at the annual AAG meeting in Philadelphia;
- " A letter of intent (**including title and abstract**) must be submitted (see below) by September 30, 2003.
- " Four copies of the completed paper (in MSWord format) should be submitted electronically no later than February 29, 2004.

Send correspondence and papers to Prof. Martin J. (Mike) Pasqualetti, Chair, Awards Committee of the EESG, Department of Geography, Arizona State University, Tempe, Arizona. E-mail is preferred for all correspondence

Send letter of intent and completed paper to: Pasqualetti@ASU.EDU.
Papers will be judged by a panel of experts within the Energy and Environmental
Specialty Group of the AAG

Deadlines

September 30, 2003 – letter of intent (incl. abstract & title)
February 29, 2004 – completed mss.

OTHER CONFERENCE ANNOUNCEMENTS (& REMINDERS)

In the order of their occurrence....

People and the Sea II: Conflicts, Threats and Opportunities

<http://www.marecentre.nl>

4-6 September 2003

Amsterdam, the Netherlands.

This three-day conference will pay attention to maritime topics like piracy and robbery at sea, integrated coastal zone management, climate change, fisheries management and multiple use conflicts in coastal zones.

During the three days about 110 papers will be presented in 36 panels. For keynote addresses and the detailed programme please see the website.

Costs are: 250 euros for three days. There is also a one day rate of 60 euros (Saturday-only 30 euros). If you want to attend the conference you can register online at our website.

For more information, please contact:

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Monitoring Science and Technology Symposium

<http://www.monitoringsymposium.com>

September 20-24, 2004

Denver, CO, Adam's Mark Hotel

Unifying Knowledge for Sustainability in the Western Hemisphere

Contact:

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**Open Meeting of the Human Dimensions of Global Change Research Community:
Taking Stock and Moving Forward**

<http://sedac.ciesin.org/openmeeting/>

October 16-18, 2003

Montreal, Canada

Abstracts, preliminary program, registration and hotel information, side events and more are available at the above website. See you there!

Adaptive Research and Governance in Climate Change

<http://fiesta.bren.ucsb.edu/~idgec/html/news/html/climate.html>

October 30-31, 2003

Columbus, Ohio

Conference themes include:

Adaptive approaches for climate policy and management

International institutions and climate change

Markets and climate change adaptation

Communities and livelihoods under climate change including adaptation, autonomy, and coalition.

Conference Sponsored by the Ohio State University Mershon Center, Environmental Policy Initiative, Climate Change and Environmental Research Initiative, and the Cluster for Interdisciplinary Research on International Themes.

Keynote speakers include

Hadi Dowlatabadi of the Sustainable Development Research Institute at the University of British Columbia

Roger Kasperson of the Stockholm Environmental Institute

Ronald Mitchell of the Department of Political Science, University of Oregon

Robert Mendelsohn of the Yale School of Forestry and Environmental Studies

Billy Lee Turner of the Department of Geography, Clark University.

Land Open Science Conference

<http://www.oikos.unam.mx/landOSC>

2-5 December, 2003

Morelia, Mexico

The Land Project will hold its first Open Science Conference 2-5, December, 2003 in Morelia, Mexico. The purpose of the conference is to bring together the research communities dealing with global change science related to land use/cover changes, terrestrial ecosystems, and aquatic ecosystems on land. The science plan and implementation strategy for the new Land project of IGBP and IHDP will be presented and discussed. There will be a preceding Global Change and Terrestrial Ecosystems (GCTE) symposium on 1 December.

The notion of coupled human-environment systems is central to the research agenda for Land. It refers to the network of interactions between human, biological, and environmental components of systems on land. It is applied by studying in an integrative fashion the reciprocal relations of people with biophysical-biogeochemical processes and with biota, and how their modifications feedback to global environmental changes to affect the sustainability of the overall system. The choices that humans make about land use depend on the complex interaction between demographic, socio-economic, institutional, physical, biogeochemical, and biological factors.

Clarifying how environmental change and its impacts on terrestrial ecosystems contribute to these choices and land management decisions remains a challenge to global change science. The development of an integrated perspective to understand these interactions among social and ecosystem processes is needed to further understand the impacts and feedbacks of Global Environmental Change.

Objectives

The overall objectives of the Land project are: 1) Identifying the agents of change in coupled human-environment systems on land, and quantifying the magnitude of their effects on the dynamics of the coupled system; 2) Assessing how the provision of ecosystem goods and services are affected by these changes; 3) Describing the characteristics and dynamics of vulnerability of coupled human-environment systems on land. The science plan currently identifies three research themes to organize our efforts to meet these objectives:

- The causes and nature of land system change

- The consequences of land system change;
- Integrating analysis and modelling for sustainable land uses

Land research will encompass pre-existing networks and activities from the Global Change and Terrestrial Ecosystems (GCTE) project, the Land Use/Cover Change (LUCC) project, and where appropriate other projects of the sponsor programmes: the International Geosphere-Biosphere Programme (IGBP) and the International Human Dimensions Programme (IHDP); new networks and other research activities on new topics; and partnerships with other projects within the Earth System Science Partnership (ESSP) and beyond.

Conference Themes

- Coupled human environmental system
- Decision making with global environmental change
- Land dynamics under multiple stressors
- Coupled biogeochemical cycles
- Aquatic ecosystem interface with the coupled system
- Vulnerability of mountain resources
- Agroecosystems and global change
- Human dominated landscapes
- Sustainability of ecosystem goods and services

For additional information and to register, see:

<http://www.oikos.unam.mx/landOSC>. Further details on abstract submission will be made available at the end of August on the To register, please download the registration form from the following webpage: <http://www.oikos.unam.mx/landOSC> or in case of failure, go to a mirror site <http://cuencas.oikos.unam.mx/landOSC>

Governance for Industrial Transformation

<http://www.fu-berlin.de/ffu/akumwelt/bc2003/call.html>

5-6 December 2003

Berlin, Germany

2003 Berlin Conference on the Human Dimensions of Global Environmental Change (Note, the deadline for submission of abstracts has passed, but you may still want to know about or attend the conference. For more information, go to the website.)

TRAININGS AND INSTITUTES – TIME-SENSITIVE!

**Advanced Institute on
Vulnerability to Global Environmental Change**

3-21 May 2004

IIASA, Laxenburg, Austria

Application Deadline: 15 October 2003

START, in partnership with the International Institute for Applied Systems Analysis (IIASA), and with the financial support of the David and Lucille Packard Foundation, invites applications for Institute Fellows to participate in an **Advanced Institute on Vulnerability to Global Environmental Change**. The Advanced Institute is to have three components: a three-week long Seminar to be held 3-21 May 2004 at IIASA in Laxenburg, Austria; one-year research grants for successful Institute Fellows; and a culminating workshop that will follow completion of the research.

In the Seminar, Institute Fellows will examine the theoretical foundations and methods of vulnerability analysis, evaluate and derive lessons from case studies, and learn selected analytic tools with the objective of building a base of knowledge and skills from which to conduct research on vulnerability. Mentors will assist Institute Fellows to elaborate and refine a research pre-proposal submitted as part of his/her application to the Advanced Institute. Institute Fellows who successfully complete the Seminar and who prepare a high quality research proposal will be eligible to receive a 1-year research grant of \$10,000 to \$15,000 (USD) to carry out their proposed research. During the year of research, mentors will provide guidance to the Institute Fellows and a list-serve will be established to facilitate communication among Institute Fellows about their research. A culminating workshop will be held approximately 18 months following the Seminar at which Institute Fellows will present their results and discuss their research experiences.

Global Environmental Change and Vulnerability

Global environmental change includes (i) environmental changes which impact the functioning of a global system and (ii) localized environmental changes whose cumulative impacts are widespread or which impact a significant fraction of a global resource. The former, termed *systemic* global change, is exemplified by the effects of greenhouse gas emissions on the global climate system and of ozone-depleting substances on the stratosphere. The latter, termed *cumulative* global change, is exemplified by widespread localized problems such as groundwater depletion, deforestation, and species extinction that may affect a large portion of the world's groundwater supply, forests, or biological diversity. Global environmental changes give rise to multiple stresses that interact with each other as well as with stresses of more localized origin to impact upon people, places and systems, including both human and environmental systems. Vulnerability to global environmental change is the propensity of people, places or systems to be harmed by these stresses. It is shaped by the degree and nature of exposures to the stresses, the sensitivities of the exposed unit to stresses, its capacity to cope with or adapt to stresses, and its resilience and ability to recover from shock. These dimensions of vulnerability have, in turn, multiple and interacting determinants with roots in the conditions and dynamics of social, economic, political and environmental systems.

Analysis of vulnerability to global environmental change is a growing, multidisciplinary area of research that explores questions about who and what are vulnerable, to what are they vulnerable, how vulnerable are they, what are the causes of their vulnerability, and what responses can lessen their vulnerability. These and related questions will be the focus of the Seminar and the follow-on research of the Institute Fellows.

Advanced Seminar

The three-week long Seminar will include lectures from leading experts, seminar discussions,

case study presentations, and computer labs for work with analytic tools, as well as time to work with faculty one-on-one and in small groups. Institute Fellows will also be assisted with the development of their research project proposals. Extensive use of case studies will be made throughout the curriculum to illustrate the application of vulnerability concepts and analytic methods. The case studies, which are to be taken primarily from developing country contexts, may include studies of vulnerabilities, adaptive capacities and responses in the areas of agriculture and food security, water resources, natural hazards such as flooding and coastal storm surges, and public health, as well as integrative studies that examine vulnerabilities of livelihood groups, rural populations, urban areas and geographic regions to multiple stresses.

The curriculum of the Seminar will include the general topics outlined below.

- Overview of Global Environmental Change
- Theoretical Foundations and Conceptual Frameworks of Vulnerability to Environmental Change

- Selected Methods for Analysis of Vulnerability

Possible methods include the following:

- Vulnerability ranking and vulnerability profiles
- Uncertainty and risk assessment
- Mapping vulnerability
- Resilience analysis
- Agent based modeling

- General Research Methods

Possible methods include the following:

- Case study research design and protocols
- Survey design and methods
- Participatory research methods
- Decision analysis
- Scenario and outlook methods

- Responding to Vulnerability: Analysis of strategies, opportunities and barriers

Research Grants

Application to the Advanced Institute will include submission of a pre-proposal to conduct research on vulnerability to global environmental change. During the Seminar, Institute Fellows will be given guidance to elaborate and refine their research proposals. Final research proposals will be evaluated for their relevance to the topic of vulnerability to global environmental change, scientific merit and feasibility for successful completion within one year and the allotted budget. Institute Fellows who successfully complete the Seminar and who prepare a high quality and feasible research proposal will be eligible to receive a research grant of \$10,000 to \$15,000 (USD).

The faculty and international advisory committee for the Advanced Institute will serve as mentors to advise Institute Fellows on the implementation of their funded research projects. Institute Fellows must also arrange for a senior scientist from their sponsoring institution to serve as a second mentor for the Fellow's research. A list-serve will be established for Institute Fellows to communicate with each other and mentors about their research progress, methods, difficulties encountered and their solutions, and preliminary findings.

Culminating Workshop

A Culminating Workshop will be held approximately 18 months following the Seminar to reunite Institute Fellows who have successfully completed their research. Each Fellow will be asked to prepare a paper on their research in advance of the Culminating Workshop, to present the paper at the workshop, and to submit the paper to a peer review journal for publication. The workshop will also provide time for Fellows to discuss their research experiences and lessons learned and to consider how their research on vulnerability to global environmental change might be applied to lessen vulnerabilities. The intent is to schedule the Culminating Workshop in conjunction with another international scientific meeting in which Institute Fellows might also participate and thereby gain greater benefit.

Eligibility

The Advanced Institute is open to young scientists and professionals, 40 years of age or younger, from developing countries. Subject to available funding, exceptional applicants from developed countries will be considered. The Advanced Institute will be multidisciplinary and applicants with backgrounds in social science, natural science, engineering, management and public policy are welcome. Applicants must at a minimum have a masters degree or equivalent experience and it is expected that most successful applicants will have completed a PhD degree or be enrolled in a PhD program. Applicants must be affiliated with a research, development or educational institution in a developing country. Applicants temporarily in an institution outside the developing world (to study, for example) must have a continuing affiliation with a home institution in a developing country and be committed to return to it. Applicants will be required to submit a form with their home institution's formal endorsement for participation in the Institute and commitment to sponsor the applicant. Sponsorship by an institution would entail agreement by the sponsoring institution to appoint a mentor to provide scientific guidance for the conduct of the applicant's research project in the year following the Advanced Institute and to provide other in-kind support for the research (e.g. work space and access to computers, data and other facilities). No financial commitment by an applicant's sponsoring institution would be required.

Selection Criteria

A total of 20 applicants will be selected to be Institute Fellows. Participation in the Institute will be determined through a competitive process guided by the Institute co-directors and an international advisory committee. Selection will be based in part on:

- Level of education and relevant experience and training;
- Level of competence in the applicant's field(s) and intellectual abilities;
- Demonstrated ability to initiate and conduct research;
- Quality of the research pre-proposal that is submitted with the application;
- Research interests in areas related to and general familiarity with the topics of environmental change, global change and vulnerability;
- Sponsorship by applicant's home institution;
- Future professional plans, commitment to work in the developing world, and potential for future leadership;
- English language speaking and writing skills (the Institute will be conducted in English; all application materials must be submitted in English).

Areas of research interest, disciplinary expertise, work experience, and geographic and

cultural knowledge and experiences will be considered to select a group of Institute Fellows with complementary interests, expertise, backgrounds, and perspectives that will contribute to the success of the institute.

Financial Support

Applicants accepted to be Institute Fellows will pay no tuition or other fees; costs of participation in the Seminar and Culminating Workshop, including roundtrip Apex airfare, housing, local transportation, medical insurance and a small subsistence allowance will be paid by the Advanced Institute. Research grants are available as described above. Selection for participation in the Seminar does not guarantee award of a research grant or participation in the Culminating Workshop.

Institute Staff

Dr. Neil Leary (START), Dr. Jill Jaeger (ISTS), and Dr. Joanne Bayer (IIASA) are the codirectors of the Advanced Institute. An Advisory Committee composed of leading researchers who are internationally known for their work on vulnerability to environmental change will advise the co-directors on developing the Seminar curriculum and selecting the Seminar faculty.

Application Deadline and Instructions

All application materials must be received by the International START Secretariat in Washington DC, USA no later than **October 15, 2003**. Applications received after the deadline and incomplete applications will not be reviewed. Prospective applicants are encouraged to forward their applications as early as possible.

Please follow the procedures below to apply to the Advanced Institute.

- 1) Read eligibility requirements and decide if they apply to you. If you have questions, please contact the International START Secretariat (start-apps@agu.org).
- 2) Download and print the electronic Application Documents from the START website (www.start.org), under the heading "What's New." If you have problems downloading, copies can be requested from START via email (start-apps@agu.org). The Application Documents include the following:
 - a. Application Form
 - b. Professional Reference Form (2)
 - c. Institutional Support Form
 - d. Application Checklist
- 3) Adhere strictly to all page limits indicated below. Failure to do so will be interpreted as lack of abilities to identify essential information and write concisely and will be judged unfavorably in the review of your application.
- 4) Complete the **Application Form**. Please fill in ALL the information requested.
- 5) Arrange for TWO references to each complete the **Professional Reference Form**. The completed Professional Reference Forms may be mailed directly to START by the References or given to the Applicant in a sealed envelope (to preserve confidentiality) for inclusion by the Applicant with the application materials that he/she submits.

- 6) Arrange for the **Institutional Support Form** to be filled out and signed by an appropriate representative of the Applicant's home institution. The signed form will constitute an agreement by the home institution to sponsor the Applicant. The form can be signed by the home institution's Director, Department Head, or the Applicant's direct supervisor.
- 7) Prepare a one-page **Statement of Current Activities and Future Plans**. The statement should provide a brief summary (no more than one page) of your current research, academic, and professional activities and future research plans that are most relevant to your qualifications for the Advanced Institute.
- 8) Prepare a **Research Pre-Proposal**. The proposed research must be related to vulnerability to global environmental change. The Pre-Proposal should include (a) a problem statement, (b) objectives of the proposed research, including any hypotheses to be tested, (c) a summary of methods you will employ, with references to relevant literature, (d) a statement of expected long-term benefits of the proposed research, (e) resources needed and how they will be employed, and (f) a list of collaborating individuals and institutions. The Pre-Proposal should not exceed seven pages (12 point minimum font size). Proposed objectives should be achievable within one year of receipt of funds and a budget not to exceed \$15,000 (USD).
- Applicants may find it useful to explore the web-sites of the Stockholm Environment Institute's Risk and Vulnerability Project (<http://www.sei.se/risk/overview.html>), the Potsdam Institute for Climate Impact Research's Environmental Vulnerability Assessment Program (<http://www.pik-potsdam.de/~richardk/eva/>), and Harvard University's Research and Assessment Systems for Sustainability program (<http://sust.harvard.edu/overview.htm>) to become more familiar with the concepts, methods and research questions of vulnerability assessment.
- 9) Obtain and submit copies of the your **Official University Transcript** for the highest degree completed, listing courses taken and grades for each course. NOTE: For senior applicants, this requirement may be waived (contact START before the application deadline to request the waiver). Transcripts in a language other than English must be translated into English.
- 10) Submit copies of your current **Curriculum Vitae** (3 pages maximum) that summarize information about your education, employment history, publications and other activities that are most relevant to your qualifications for the Advanced Institute.
- 11) If not a native English speaker, submit **Proof of English language Proficiency**. This may include any Diplomas or Certificates of proficiency in the English language, or scores from the Test of English as a Foreign Language (TOEFL). A degree from an English language University is also acceptable proof.

12) Assemble all application materials and mail the **ORIGINAL PLUS FOUR COPIES** of all materials (except the Professional Reference Forms) to:

Application to Vulnerability Institute
International START Secretariat
2000 Florida Ave.NW, Suite 200

Washington D.C. 20009 USA

We strongly encourage applicants to mail the application package via a courier service (e.g., DHL, Federal Express) or an express mail service for which delivery can be confirmed. We recommend that applicants send an email (start-apps@agu.org) when the package is shipped to notify us. **IMPORTANT:** We recommend that you retain an extra copy of all the material for your records to be able to duplicate and resubmit a complete application quickly if the original application is lost in the mail. Please note that for your application to be considered, **ALL MATERIALS MUST BE RECEIVED IN WASHINGTON NO LATER THAN 15 October 2003.** It is the responsibility of applicants to ensure that the complete set of application materials (including Reference Forms) are mailed and received in Washington before this date. Once the selection process is completed, all applicants will be notified of the decisions by the Institute organizers. It is expected that the selection process will be completed by early January 2004. Notification of results will be done initially via e-mail (participants without access to e-mail will be notified by fax) and subsequently by regular mail. Questions can be directed to Ms. Sara Beresford at sberesford@agu.org.

Inter-American Institute Announcement of a Summer Institute

The IAI is pleased to announce its Summer Institute named "Global Warming and Climate Changes: Causes, Mitigation Alternatives and International Actions". It will be held in Piracicaba, Brazil, in November 10-22, 2003.

The announcement (in PDF format) can be found in the IAI Summer Institutes 2003 Website, at <http://www.IAISummerInstitutes.iai.int>. Notice that you can also use that area to make your subscription on-line. Should you have a problem to access the site or read the documents, please send an e-mail to "iaiw@dir.iai.int", with an explanation about the problem.

DISSERTATION AWARD OPPORTUNITY

Woodrow Wilson Dissertation Award

For those interested at the interface of global change and women's issues... Here is an opportunity for grad students:

The Woodrow Wilson Dissertation Grants in Women's Studies award \$3,000 to support original and significant research about women that crosses disciplinary, regional, or cultural boundaries. Candidates must have completed all predissertation requirements, including approval of the dissertation proposal, by October 24, 2003, and expect to complete their dissertations by the summer of 2005.

DEADLINE: November 3, 2003

<http://www.woodrow.org/womens-studies/purpose.html>

JOB ANNOUNCEMENTS – TIME-SENSITIVE!!!

Scientist III at NCAR to coordinate the USWRP societal impacts program element

Project Scientist III

Job Category: Scientific

Division/Program: RAP

[Job #3236, at Foothills Lab]

http://www.fin.ucar.edu/hr/careers/uco.cfm?do=jobDetailExt&job_ID=127

Please Note:

This is a new, full-time position. Initial consideration will be given to applications received prior to Monday, September 1, 2003. Thereafter, applications will be reviewed on an as-needed basis.

The NCAR Director must approve appointments at the Project Scientist III level.

NCAR - Research Applications Program (RAP)
Environmental and Societal Impacts Group (ESIG)

Basic Job Function:

Provides leadership in establishing a program at NCAR on the societal impacts and benefits of improved weather information. Through a process emphasizing extensive collaborative dialogue and community building, he or she will identify, coordinate, cross fertilize and actively engage researchers and organizations that conduct research related to understanding the societal impacts and benefits of weather information. He or she will establish, manage and coordinate research efforts within and across participating organizations within and outside NCAR.

Duties Include:

Establishes, leads, and manages collaborative program, coordinates research efforts within and across participating organizations, and works closely with sponsor(s) to ensure the successful completion of tasks. Actively manages, mentors and develops team members and other staff.

Actively engages researchers and organizations conducting societal impact related research to facilitate information transfer to the community. Coordinates, synthesizes and organizes relevant data and information and ensures that the results are made accessible in a timely manner to the research community and policy makers.

Represents the societal impacts aspects of weather research programs and activities at U.S. and international fora (e.g., conferences, working groups, task forces, etc.)

Ensures that societal impact analyses are considered in the planning of national and international weather-related research programs (e.g., THORPEX).
Pursues appropriate funding sources. Responsible for identifying funding opportunities and managing the proposal process. Writes and/or coordinates proposal submission.

Writes peer-reviewed journal articles, technical reports, conference papers; makes presentations at meetings and conferences.

Requirements Include:

Education and Experience:

- * Ph.D. in a social science or atmospheric science; plus
- * at least 7 years' of progressively responsible, relevant research and program development experience;
- * or an equivalent combination of education and experience.

Knowledge, Skills and Abilities:

- * Demonstrated skill in leading and managing complex, multi-year scientific/technical programs.
- * Experience in leading and managing a diverse staff.
- * Demonstrated skill in developing employees.
- * Demonstrated understanding of the utility of weather information to the needs of various economic sectors and the ability to design and develop new research programs to explore and address them.
- * Demonstrated skill in working effectively with the societal impacts research community.
- * Demonstrated ability to work in a schedule-driven environment and produce high-quality deliverables on time.
- * Demonstrated skill in representing the program to a diverse group of agency sponsors, other research laboratories, and potential sponsors and collaborators.
- * Demonstrated knowledge of operational and research practices within the atmospheric sciences community.
- * Skill in conceiving, developing, and writing new proposals for outside funding.
- * Excellent oral and written communication skills.
- * Willingness and ability to travel frequently.

Options for applying for this position:

Online: Apply through WebHire

<http://resumebuilder.webhire.com/resume_add.asp?company=ucar.ncar>

Standard Mail:

Send us your paper resume to:
UCAR Human Resources
3065 Center Green Drive
Boulder, Colorado 80301

OPENINGS FOR RESEARCH FELLOWS at the Stockholm Environment Institute – Risk and Vulnerability focus

SEI is an independent, international research institute specialising in environment and development issues. The SEI research programmes aim to clarify the requirements, strategies and policies for a transition to sustainability. *SEI's mission is to support decision-making and induce change towards sustainable development around the world by providing integrative knowledge that bridges science and policy in the field of environment and development.* SEI along with its predecessor, the Beijer Institute, has been engaged in major environment and development issues for a quarter of a century. It seeks to be a leader in the creation of a new field of sustainability science aimed at understanding the fundamental character of interaction between nature and society and to contribute to the capacities of different societies to build transitions to more sustainable futures.

We are now seeking to recruit **two Research Fellows** to the Risk and Vulnerability Research Group at SEI's headquarters in Gamla Stan (Old Town) in Stockholm. This group carries out research and limited consulting work on how to integrate issues of risk and vulnerability into a broad range of environmental policy tools including, environmental assessment, development planning, management, and adaptation strategies for climate change and other environmental stresses. We also work to improve risk/vulnerability assessments through developing research methods and decision analysis and support processes. The research efforts are multidisciplinary and build from problem-oriented perspective. Further information can be found at <http://www.sei.se/risk/overview.html>.

We are looking for individuals with expertise in vulnerability analysis, environmental health, and livelihoods based approaches to environment and development. These are permanent positions involving participation in a broad range of research projects and development of the environmental health/sustainable livelihoods/climate change dimensions of the vulnerability assessment expertise across SEI offices. Salaries will be competitive and commensurate with qualifications and experience.

Responsibilities

The main tasks of this position include:

- providing leadership in the research design and implementation of SEI projects;
- contributing to the overall development of SEI's research programme;
- identifying and developing project ideas and funding opportunities; and,
- publishing in peer-reviewed literature, including journals, SEI reports, and monographs.

Qualifications

The successful candidate will have:

- PhD in a discipline related to environment/public health, sustainable livelihoods, sustainability science, hazards/risk management and/or environment and development issues
- At least 6-7 years of professional experience, including project management experience
- Research experience with vulnerability assessment, and familiarity with climate change sciences and impact assessment, environmental/social impact and/or participatory assessment methodologies
- Excellent skills in English, spoken and written
- International work experience is essential
- Strong ability to analyse and synthesise technical and scientific information
- Capacity to work in a diversity of roles, including team leader, team player, and individual researcher
- Strong capability to write clearly and concisely, edit reports, and make effective presentations
- Successful record of publication in peer-reviewed literature

Contact

Interested candidates should submit a complete CV, an application letter including a statement of research interests, and the names and contact information for three references to the address below. Please note, only complete applications can be assured full consideration.

Please direct your correspondence to:

Kirstin Dow
Risk and Vulnerability Programme Search
Stockholm Environment Institute
Box 2142
103 14 Stockholm
Sweden

Phone: 46-8-412-1400

Fax: 46-8-723-0348

e-mail: kirstin.dow@sei.se

Review of applications will begin on 15 September 2003 and continue until the position is filled. Applicants are encouraged to look at the SEI web site at www.sei.se.

Seeking Deputy Executive Officer for LOICZ

The Land-Ocean Interactions in the Coastal Zone (LOICZ) International Project of the International Geosphere-Biosphere Programme (IGBP) is seeking a Deputy Executive Officer. For further information please contact the LOICZ IPO, phone: (31) 222-369 404. Interviews with selected applicants will be held in the English language. Applications in English, together with a curriculum vitae and names of three referees, should be directed to Miss Judith Bredewold, Personnel Officer, NIOZ, PO Box 59, 1790 AB Den Burg - Texel, The Netherlands. The closing date for applications is 11 September 2003.

The Land-Ocean Interactions in the Coastal Zone (LOICZ) International Project of the International Geosphere-Biosphere Programme (IGBP) is seeking to appoint a highly motivated and independent person as Deputy Executive Officer. The successful applicant will assist the EO in his responsibility for a small (than three people) dynamic, central secretary for the LOICZ Project. LOICZ is a global scientific project studying the influence of global and climatic change and in particular the impact of human activities in the coastal zone from coastal drainage basins to the continental shelf edge. The project attempts to generate in a continuous fashion a synthesis of information on various coastal issues by engaging a multiplicity of disciplines ranging from natural to the socio-economic sciences. The LOICZ Project has recently entered its second ten-year phase (2003-2012) of collegial research and is currently in transition including the development of a new Science Plan and Implementation Strategy. See the World Wide Web Site: <http://www.nioz.nl/loicz/> for additional background material on the LOICZ International Project. Funding for the central IPO has been committed so far until December 2005. As part of the transition the IPO is seeking to establish an additional network of regional/ thematic nodes which will all together form the new distributed IPO.

Responsibilities will include assisting the EO in:

- * management and administration of the LOICZ International Project on a day-to-day basis;
- * promoting and co-ordinate LOICZ scientific research; with special focus on the human dimensions providing project advocacy, promotion and publicity;
- * developing and maintain links with other relevant international and national agencies and initiatives including in particular also the potential host institutions for IPO nodes;
- * ensuring effective co-ordination with other IGBP and Earth System Science Programme Elements (ESSP); and,
- * organising meetings and workshops in support of the International Project.

Qualifications & Experience:

- * a broad interest in the scientific fields related to the LOICZ International Project; in particular related to the interaction between natural sciences and human dimensions
- * appropriate management, organisational and communication skills in an international field;
- * a PhD (or equivalent research experience) in one of the natural sciences or social sciences
- * experience in the organisation of international meetings and workshops;
- * a sound working knowledge of the English language;
- * Flexibility and willingness to undertake overseas travel;
- * Experience in global change sciences and science management would be of advantage;

Conditions:

The contract is for a period until the end of December 2005. While LOICZ is expected to continue until 2012, the situation and location of the IPO is likely to change after this transition period. The successful applicant would be expected to assume duties as soon as possible. Salary will be commensurate with qualifications. Applications from persons interested in accepting the appointment on a leave of absence from their home institute or university with salary provided by NIOZ are encouraged. LOICZ encourages the application from women.

Location: The Netherlands (island of Texel)

NEW PUBLICATIONS

"Greener Management International" Issue 39 is a special theme issue:

CORPORATE RESPONSES TO CLIMATE CHANGE

Edited by Frans van der Woerd, Vrije Universiteit Amsterdam, The Netherlands, David Levy, University of Massachusetts, USA and Katie Begg, De Montford University, UK

To place an order, to view all paper abstracts, or to view the "Introduction" by Frans van der Woerd, David Levy and Katie Begg, and the paper "Down to Business on Climate Change: An Overview of Corporate Strategies" by Seth Dunn, please visit the Greenleaf website at: <http://www.greenleaf-publishing.com/gmi/gmi39.htm>

Although the political implementation of the Kyoto Protocol is far from certain and many details remain unspecified, behind the scenes a number of companies have started to develop strategies to curtail greenhouse gas emissions. Such strategies necessarily operate in an environment of high complexity and uncertainty and as a result are extremely diverse. At a political level, companies try to influence policy implementation and, more specifically, to test ideas in anticipation of possible regulation. At a more practical level there is a burgeoning number of initiatives to conserve energy use in production, transportation and buildings, to develop renewable sources of energy, to measure carbon emissions and sequestration at a detailed level, and to develop various markets for trading carbon credits among companies and countries.

On the eve of climate policy implementation this special issue of *Greener Management International*¹ presents early corporate experiences with the climate change issue. It is hoped that by presenting and assessing various approaches, more effective strategies will be identified and the proactive spread of corporate engagement with a range of mitigation efforts, from emission inventorying and trading schemes to investments in low-carbon technologies will be encouraged.

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Frans van der Woerd, Institute for Environmental Studies (IVM), Vrije Universiteit Amsterdam, The Netherlands David Levy, University of Massachusetts, Boston, USA
Katie Begg, University of Surrey, UK

* Down to Business on Climate Change: An Overview of Corporate Strategies
Seth Dunn, Worldwatch Institute, USA

* Early Experiences with Emissions Trading in the UK
Frauke Roeser, WSP Environmental, UK
Tim Jackson, University of Surrey, UK

* Organising Business: Industry NGOs in the Climate Debates
Simone Pulver, University of California, Berkeley, USA

* Three Big Cs: Climate, Cement and China
Joakim Nordqvist, Lund University, Sweden
Christopher Boyd, Lafarge, France
Howard Klee, World Business Council for Sustainable Development, Switzerland

* Climate Change and the Insurance Sector: Its Role in Adaptation and Mitigation
Andrew Dlugolecki, University of East Anglia, UK
Mojdeh Keykhah, University of Oxford, UK

* Becoming a First Mover in Green Electricity Supply: Corporate Change Driven by
Liberalisation and Climate Change
Peter S. Hofman, Center for Clean Technology and Environmental Policy, The
Netherlands

* Rent Sharing in the Clean Development Mechanism: The Case of the Tahumanu
Hydroelectric Project in Bolivia
Christophe de Gouvello, Centre International de Recherche en Environnement et
Développement, France;
Pierre Mollon, EDF-E7, France;
Sandrine Mathy, Centre International de Recherche en Environnement et
Développement, France

A limited number of individual copies of this special issue are available for purchase at
the price of £25.00/\$45.00. Postage worldwide is gratis.

To place an order, to view all paper abstracts, or to view the "Introduction" by Frans van
der Woerd, David Levy and Katie Begg, and the paper " Down to Business on Climate
Change: An Overview of Corporate Strategies " by Seth Dunn, please visit the Greenleaf
website at: <http://www.greenleaf-publishing.com/gmi/gmi39.htm>

Alternatively, please contact:

Samantha Self
Greenleaf Publishing
Aizlewood Business Centre
Aizlewood's Mill
Sheffield S3 8GG
UK
Tel: +44 (0)114 282 3475
Fax: +44 (0)114 282 3476
e-mail: sales@greenleaf-publishing.com
<http://www.greenleaf-publishing.com>

NEW WEB RESOURCES

New Page on Education and Training in Sustainability Science

<http://sustsci.harvard.edu/education.htm>

This page presents the Editors' selections of good examples of courses and educational programs (including college and post-graduate courses, training workshops, short courses, films, exhibits and other public education activities) that go beyond the study of environment or development separately and deal with the interaction of environment and development and the contributions of science and technology to sustainable development. The objective of this page is to encourage exchanges and build a community of those teaching and training the next generation of people engaged in Science and Technology for Sustainability. We would also like to include links to more comprehensive pages that include teaching materials or references to web sites where they can be obtained. Nominations for additional courses or programs to include on this page are welcome and should be sent to the Managing Editor. Nominations should include the full title of the course/program, institutional affiliation, the URL for its web site, where relevant a syllabus and reading list (if these are available online, please give a web address), contact information, and a description (of 300 words or less) that highlights its significance for someone interested in the role of science and technology in achieving the joint goals of a sustainability transition: meeting human needs while preserving the life support systems of planet Earth.

New Page on Integrated Studies of Nature-Society Systems

<http://sustsci.harvard.edu/integstudies.htm>

The Forum has added a new page that will highlight a half-dozen good examples of integrated studies of nature-society systems, selected by the Editors and chosen to illustrate a diversity of systems and approaches.

Integrated studies of nature-society systems come in at least two major forms: place-based and chain-based. In place-based studies the emphasis is

on understanding the co-evolution of nature and society in a particular region. In chain-based studies the focus is on the network of natural resource inputs as well as goods and wastes generated in a production-distribution and consumption system that may span nature-society systems on several continents. Integrated studies are needed because development of society is, on the one hand, constrained by environmental conditions and changes, and on the other hand, the different ways in which development unfolds have widely different consequences for nature.

The Editors seek your help in nominating studies to be included on this page. Nominations should be submitted to the Managing Editor at sustscience@ksg.harvard.edu, and should include the title of the study, references to papers and URLs for web sites with additional relevant information, contact information, and a concise yet detailed description of the case study (400 words or less) that includes: a description of the sustainability puzzle(s), including differences in the interests of major stakeholders; a synthesis of what is known about how human activities have affected ecosystems and environmental conditions, and vice versa (how humans have responded); a critical review of the role of research-based knowledge in response thus far (either institutional, technological, or in management practices); and critical commentary on the main lessons from this illustrative case study regarding how to approach, design, and implement an integrated study.

And last but not least....

PLEASE REMEMBER TO PAY YOUR MEMBERSHIP DUES

When you **renew your membership**, please don't forget to pay the dues or our Specialty Group. And, please, do me a big favor and **send me your change of address**. The AAG office does not send out new lists every time someone leaves or joins our group. The bounce-back problem is taking on humongous proportions!