



Human Dimensions of Global Change

Specialty Group Newsletter

Fall 2004

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1. Note from the Chair

Behind the arc and ahead of the curve: HDGC Specialty Group Strengths and Challenges

Having just exited the Olympic basketball stadium in Athens , pondering the Lithuanian victory over the 2004 version of the “Dream Team”, I realized one ineludible fact: the US needs a true shooting guard who can knock down open shots behind the 3-point arc. Returning to my tent at the Hungarian Olympic Committee's campsite to jot down some notes on my first message for this newsletter I thought about the HDGC Specialty Group as a team; a team quite different than the 2004 US Olympic basketball “dream” squad. For starters, we have loads of 3-point shooters, and we have centers, guards and forwards with all the complimentary skills necessary for a winning team. This diversity is our strength. It is also our challenge to communicate our sometimes complex interdisciplinary efforts to non-geography researchers and policy makers.

In departing Chair Susi Moser's spring 2003 editorial she urged us to take a moment to think critically about the meaning of our research, to consider its importance outside geography. We may represent the most interdisciplinary specialty group within the most interdisciplinary field of science. If any group of researchers should consider these links it is ours. I remind you all of this comparative strength of our group. Our research matters.

To enhance our individual efforts in producing meaningful research, I call on all of you to continue in the collaborative spirit of our group. Specifically, I'd like your help in accomplishing two objectives by the fall of 2006: 1) to increase our membership to 500 or more; and 2) to increase our meaningful links to groups outside geography.

I'll start with some ideas on how to accomplish these. For point one, we could provide incentives for students to join, such as eliminating student fees, and reviving the student paper competition. For point two we could forge new co-sponsorships of AAG sessions and enhance our presence at conferences of interest to our membership such as the

International Open Science Meetings. Please contact me with other ideas to enhance these goals and other ways you feel we could strengthen the mission of the HDGC specialty group.

I humbly inherit the HDGC Chairship from Susi Moser (and I encourage you to read her timely editorial in this newsletter). A big thank you to Susi and to the rest of the executive committee during the previous two years: Secretary/Treasurer Kirsten Dow and Board Director Jennifer DeHart. I am grateful also to serve the HDGC community with an excellent board. Welcome, Secretary/Treasurer, Shannon O'Lear, and Board members Colin Polsky, Hallie Eakin, and Shanon Donnelly. Thanks also to webmaster Jason Spangler and to Rob Neff for their help in maintaining the HDGC website and in publishing the newsletters.

I feel that more interest has been generated in our group both within and outside of geography during the past few years as reflected in our strong number of members, the popularity of our sessions at AAG meetings, and the growth in our links to other HDGC-related organizations outside geography. Our diverse team has come a long way fast and with your support I hope for this trend to continue.

-David Carr, HDGC Specialty Group Chair

2. Article: Urban Dimensions of Environmental Change

Travel Report: "Urban Dimensions of Environmental Change: Science, Exposures, Policies and Technologies," Shanghai, May 2004

If you remember only one thing from this short essay, I want it to be that more students should apply for the travel grants offered by the HDGC Specialty Group. Those of you who know me will probably remember that I was awarded one of the student travel grants to the Open Meeting of the IHDP in Montreal last year. This year, I took advantage of the specialty group's offer to help pay my expenses to attend a conference titled "Urban Dimensions of Environmental Change: Science, Exposures, Policies and Technologies," held in Shanghai this past May. While I doubt that I am the only student member of the specialty group with urban research related to environmental change, I was the only student member of the specialty group to attend the conference, and won the \$500 travel grant by default.

I'm not complaining, mind you. The money certainly came in handy, as this was a very expensive trip. I had to cobble together money from several different sources in order to attend. And the meeting was a great experience, both professionally and personally. I met other scholars interested in my research and discussed potential collaborations. I heard some interesting talks that made me think about urban systems and environmental change

in new and different ways. I went on several excursions in and around Shanghai and learned quite a bit about this exciting and dynamic corner of the world. I made new friends. Finally, this was my first trip requiring a passport, and now that I have the “bug,” I will be making every effort to see (and study) as much of the world as possible.

The work I presented in Shanghai is from my dissertation, titled “Transportation, Urban Development and Greenhouse Gases: Patterns of Consumption and Justice in Philadelphia, PA.” While I presented some of my results, the talk was largely methodological and described a method I have developed for creating spatially specific GHG emission estimates for commuters in urban areas. Because my estimates are based on origin-destination data, I can say a great deal about the characteristics of the people and places most responsible for GHG emissions in cities. This is a step forward for a number of communities, and many of the participants of the conference in Shanghai were genuinely interested in the approach and in how it might be applied to other study areas. The resulting conversations were helpful to me in writing up the results. More importantly, there is a real potential for some of these conversations to lead to future collaborations.

I want to express my gratitude to the specialty group and to its officers, both past and present, for the opportunities I have enjoyed as a student member, including participation in the Shanghai conference. I also want to thank Bill Solecki and the other organizers of the conference for providing an intellectually challenging conference in a truly unique and fascinating venue. This experience was helpful from several perspectives and was thoroughly enjoyable and educational. Thank you, all. Finally, to those of you who qualify for future student travel grants, please take advantage of these opportunities. They are rare, and they are easily worth the effort involved.

Rob Neff

3. Editorial: Restoring Scientific Integrity in Government

The following article has been submitted by Susi Moser – a follow-up to an editorial by Shanon Donnelly in the Spring 2004 newsletter of this Specialty Group.

Restoring Scientific Integrity in Government

There is growing concern within the scientific community over a practice reaching epidemic proportions: the unprecedented distortion, manipulation, and suppression of government science and scientific advisory committees. In response, the Union of

Concerned Scientists (UCS) is organizing scientists to put a stop to such practices and could use your help.

Across a broad range of issues, from childhood lead poisoning to nuclear weapons to reproductive health, the Bush administration's officials have suppressed and distorted scientific studies by government agencies, misrepresented the findings of peer-reviewed research, and interfered with the independence of scientific advisory committees by subjecting candidates to ideological or political litmus tests or simply disbanding committees. The administration's abuse of climate science is one of the most egregious examples, with the White House actively working to remove global warming information from official EPA reports.

The impacts of these actions on public health, safety, and environment are serious. Furthermore, top-flight scientists will leave staff or committee positions at world-class agencies like the NIH and EPA if they have reason to believe their objective, research-based input will be distorted or suppressed by decision makers.

This year, we have seen something quite remarkable across the scientific community: a wave of activism against the administration's actions. More than 5,400 scientists, including 48 Nobel laureates, 62 National Medal of Science recipients, and senior science advisors to Republican and Democratic administrations have signed a statement condemning scientific manipulation and distortion and calling for reforms. Scientists and students are organizing scientific integrity roundtables on campuses from coast to coast this fall to discuss possible reforms.

The broad base of support from within the scientific community is encouraging. However, we should not assume that a change in administration would inevitably restore scientific integrity to the policy-making process. The very culture of science in government policy making has been damaged, and cannot be repaired overnight.

UCS is reaching out to scientific societies and their membership to gain support for reforms to preserve the core values in science and science-based decision-making. Among these reforms: ensuring that scientific advisory panels are free from financial or ideological conflicts of interest and that scientific advisors are not subject to political litmus tests; protecting government scientists from pressure to delay, suppress or alter scientific or medical information; providing Congress and the President with independent scientific advice, and guaranteeing that the public and decision makers have access to government scientific research.

To move these reforms forward in the coming year, we will need the persistent and energetic participation of scientists and scientific societies. The message to our elected officials must be clear: policy making on environmental, public health, security, and other critical issues must be based on the best available science; the distortion, manipulation, and suppression of science to serve political ends must cease.

To learn more about and become engaged in these issues, visit www.ucsusa.org/rsi.

Michael Halpern is outreach coordinator for the UCS restoring scientific integrity campaign

4. Member News

Institute for Environmental Studies, Amsterdam (www.lucc.nl) and a workshop on environmental conservation in India, sponsored by the Ashoka Trust for Research in Ecology and the Environment (www.atree.com).

James Eflin, Ball State University, has been granted a second AT&T Industrial Ecology Fellowship (with colleague Amy Sheaffer) to continue the tracking of the material flows of resources in institutions of higher education, what James calls "institutional ecology." James plans to report on this at the Denver meetings in April.

Shari Fox Gearheard graduated with her Ph.D. in Geography from University of Colorado at Boulder in May 2004, her dissertation titled, "When the Weather is *Uggianaqtuq* : Linking Inuit and Scientific Observations of Environmental Change in Nunavut , Canada ". Shari is now a post-doc in the NOAA Postdoctoral Program in Climate and Global Change. She is being hosted by Harvard and Clark Universities .

Deborah Balk at CIESIN has some very exciting new data: human settlements, points (70,000+), urban extents (24,000), and a 1 km pop. grid reallocated to urban areas. We've also got an 2.5 km updated version of the Gridded Population of the World, using 3 times as many base units as before, and with estimates for 2000. Users can find the data at: <http://beta.sedac.ciesin.columbia.edu> . Beta users are welcome.

Susi Moser collaborated on a multi-disciplinary, multi-authored project on new climate change projections and impacts assessment for California, published in August in the Proceedings of the National Academy of Sciences, and another article on human health impacts forthcoming probably in Environmental Health Perspectives. The project garnered major national and California press attention, and also was subject of a Congressional hearing on climate change called by Senator McCain on September 15, 2004.

Susi was also asked to participate in a NRC study on public participation in environmental assessments and decision-making (chaired by Thomas Dietz, NRC's Human Dimensions of Global Change Committee).

Following a highly successful interdisciplinary, academic/practitioner workshop she co-organized at NCAR on Climate Change Communication and Social Change, she is now the co-editor on a book on the same subject, and planning to give the topic also high visibility within the IHDP and at the next Open Meeting in Bonn, Germany. Stay tuned!

Paul Parker, PhD. Professor, Department of Geography, Faculty of Environmental Studies, University of Waterloo, Waterloo, Ontario N2L 3G1 Canada received the 2004 Canada Mortgage and Housing Corporation's Excellence in Education Award for innovative teaching about sustainability.

New grant: National Science Foundation grant 0414565, "Land Use and Carbon Sequestration in Eastern Deciduous Forests: Complex Interactions Between Human Activities and Ecosystem Processes;" August, 2004. Funded through Geography and Regional Science, Ecosystems, and EPSCOR programs. Amy Hessel (PI), William Peterjohn, and Richard Thomas (Co-PIs), West Virginia University ; Dawn Parker (PI), George Mason University .

Ken Mitchell , Rutgers University , gave the keynote addresses at the following meetings:

"Disasters and Emergency Management in the United States ," Disaster Emergency Response Training Workshop, Government of China , Ministry of Civil Affairs, Beijing , May 17, 2004.

"Reconceiving recovery," Recovery Symposium, Napier , New Zealand , July 12-13, 2004

And the following presentations:

"Urbanization and global environmental change: Integrative science or communicative discourses?." International Conference on the Urban Dimensions of Environmental Change: Science, Exposures, Policies, and Technologies, Shanghai, June 25-28, 2004.

"Changing 20th century patterns of response to New Jersey's natural hazards and disasters in comparative cultural context," Natural Disasters and Cultural Strategies: Responses to Catastrophes in Global Comparison, German Historical Institute. Washington D.C. , February 19-22, 2004 .

"The vulnerability of affluent cities after 9/11," NATO Committee on the Challenges of Modern Society. University of Toronto . October 9-10, 2003 .

Ken will appear before the upcoming workshop of the Natural Disasters Roundtable Forum, National Research Council, Washington D.C. to speak about strategies for reducing all hazards, October 28, 2004 .

Darla Munroe moved from UNC-Charlotte to Ohio State, taking an assistant professor position there in the Geography department. Colin Polsky has already contacted you, but he has a publication in the ANNALS (see the latest issue). Perhaps you may want to include it in the newsletter.

David J. Rutherford has taken up a one-year position as the first Grosvenor Scholar at National Geographic Society (NGS) headquarters in Washington D.C. This endowed

fellowship, available to Ph.D. students in the geography education program at Texas State University , was established through major donations from the Mitte Foundation, National Geographic Society, and Texas State University along with a number of other donors. The Grosvenor Center for Geographic Education provides the administrative support for the fellowship. The purpose of the fellowship is to link the research capabilities of the Grosvenor Center for Geographic Education with the data collection, grantmaking, and policy implementation efforts of the NGS Education Foundation. The position follows the academic calendar, and I began work at NGS in August of 2004. The focus of this years work is to conduct research that supports NGS policy initiatives to improve the status of geography education in schools across the country. If you have questions or comments, please do not hesitate to contact me at DRutherf@ngs.org .

5. Call for Papers

HDGC Recent Calls for Papers

International Conference on Environmental Change in Central Asia

Hosted by Geography and Planning Department. Grand Valley State University ,
Geography and Planning Department

Scientists, decision-makers and graduate students from nine countries convened at Grand Valley State University May 21-23 to present papers and discuss collaborative research and education at the First International Workshop on the Human Dimensions of Climate and Environmental Change in Central Asia (HDCECCA). The conference was organized by GVSU geography faculty: Drs. Elena Lioubimtseva, Kin Ma and Roy Cole (Department of Geography and Planning) with a goal to start a new international initiative to promote research on human induced environmental changes in Central Asia .

For more information about the HDCECCA initiative, please visit http://www4.gvsu.edu/lioubime/CentralA_files/HDCECCA.htm or contact Dr. Elena Lioubimtseva at Geography and Planning Department, Grand Valley State University, e-mail: lioubime@gvsu.edu , voice: 616 3317428, fax 616 3312328

Organized Sessions at the Annual Conference of the Association of American Geographers 2005 - April 5 th 9th, Denver , CO .

Session Title: "Climate-Society Interactions in the United States : Applied and Interdisciplinary Research"

Chairs: Joe Abraham (University of Arizona) and Andrea Ray (NOAA CDC)

We are looking to fill a second session (one, possibly two papers) and if there is enough interest arrange a third session. Both sessions will be arranged with 4 papers and a discussant.

Research on how climate affects individuals and societies, and how individual decision making and social structures and processes mediate the potential impacts of climate variability and change has involved a range of social and physical science data, methods, and epistemologies. Examples have included developing climate information for stakeholders and policy-makers and studying the implications of this information in the field, studying the political ecology and historical nature of recent impacts, and identifying adaptive capacities to climate variability and change in a wide variety of applications and contexts. These moderated sessions aim to showcase different approaches to addressing climate-society interactions in the United States , stimulate discussion on the future of interdisciplinary climate-society research, and increase the visibility of emerging perspectives in the "field."

Please email abstracts and presenter identification numbers (if you have already registered your abstract) to Joe Abraham (jabraham@email.arizona.edu) and Andrea Ray (andrea.ray@noaa.gov) by October 14. Also, indicate if you would be interested in chairing a third session if there is enough interest.

Session Title: "New Perspectives on Environmental Narratives"

Organizers: William Moseley (Macalester College) and Paul Laris (California State University at Long Beach)

It has been nearly ten years since Fairhead and Leach's groundbreaking work questioning the received wisdom or narrative of human-induced deforestation in the semi-forested savanna of Guinea. This work inspired a host of other scholars to interrogate conventional environmental understandings in a variety of country and regional contexts. This session seeks to assemble 4-5 papers (from all regions) that represent some of the latest thinking on environmental narratives, including (but not limited to): studies that explore the limits of the environmental narrative critique, personal accounts of how this perspective influenced research approach and field work; and the resonance (or non-resonance) of this critique in non-academic circles. We will seek CAPE and HDGC sponsorship for this session.

If you are interested in this session, please send a proposed paper title and abstract to Bill Moseley (moseley@macalester.edu) or Paul Laris (plaris@csulb.edu) by Sept 30 at the latest.

Session Title: “Geographic Approaches to Understanding Urbanising Landscapes and Urban Ecosystems” Co-sponsored by the Human Dimensions of Global Change and Biogeography Specialty Groups

Organizer: Dr. Matthew Beaty (CSIRO Sustainable Ecosystems)

The study of urban areas as functioning ecosystems is a growing area in ecological and geographic research. This new emphasis has risen out of the recognition that in order to understand the structure, function and dynamics of landscapes and ecosystems it is vital to consider both ecological and human processes. Ecological concepts can also be used to address environmental health, sustainability, and planning issues faced by urban areas. This session seeks to highlight efforts by geographers to understand urban ecosystems, especially those using integrative approaches linking ecological and socioeconomic research.

Paper topics may include but are not limited to:

- * Urban areas as complex social-ecological systems
- * Influence of urban patterns on biodiversity
- * Urbanisation and climate variability
- * Ecological processes at the urban/wildland interface
- * Environment and public health
- * Resilience and sustainability of rapidly urbanising landscapes
- * Integrative approaches to urban ecology

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Session Title: “Understanding and Assessing Adaptive Capacity”

Organizer: Hallie Eakin, National Autonomous University of Mexico

Adaptation and the development of adaptive capacity are now high on the agenda of international agencies dedicated to addressing global climate change. The initial focus of research on identifying the most efficient and appropriate technological responses to the challenge of climate change is now expanding to include the identification of those characteristics of human-environmental systems which are thought to enhance their ability to respond positively to risk, uncertainty and surprise. Four or five presenters are sought for this session to present papers on both theoretical and empirical aspects of the assessment of adaptive capacity. Contributions from political and cultural ecology, natural hazards research, political and economic geography as well as other sub-disciplines are welcome.

Please send proposed abstracts to Hallie Eakin: eakin_unam@yahoo.com by October 7

Session Title: “Weather and Society: The Impact of Contemporary Meteorology/Climatology on Social, Cultural and Conceptual Dimensions of Weather Knowledge”

Organizers: Samuel Randalls (University of Birmingham), Jeffrey C. Brunskill (University at Buffalo)

Over the last century modern forecasting, theory and analysis has created a knowledge domain that is, arguably, distinct from what might be termed everyday, commonsense weather knowledge. This relationship may be characterized in many ways - expert / naïve, scientific / folk, technology based / experience based. There are a variety of issues that come to light regarding the interaction between these qualitative domains. These include scientific / everyday constructs, communication and visualization, prediction and risk assessment (climate change / forecasting), applications and uses of weather information. We invite critical research papers that consider the broad relationship between modern meteorological/climatological theory and social, cultural and conceptual dimensions of weather knowledge. This includes the social, political and economic aspects surrounding the distinction and the ways in which they create cultures, politics and economics of the weather. The session aims to be explicitly interdisciplinary, combining both scientific and social scientific knowledges. Papers may include, but not be limited to:

- Large-scale versus locally derived weather knowledge
- Direct versus indirect perception of atmospheric phenomena
- Developmental aspects of weather knowledge/concepts
- Applications of weather knowledge
- Forms of communication (visual, terminological, media)

- Forecasts and Assessments of Climate Change (as they relate to the connection between climatology and weather/climate knowledge)
- Cultures, economics and politics of the weather
- Historical study - evolution of modern theory and relations to 'folk' theories?
- Future Applications - decision making, visualizations, representation in GIS

Please send copies of your abstract (no more than 250 words) to either Samuel Randalls (scr857@bham.ac.uk) or Jeff Brunskill (jeffb@eng.buffalo.edu) by the 11th of October. Participants will need to register and obtain a PIN and send it to us by the 21st of October. We welcome any informal contact or ideas for papers prior to this date. An illustrated paper session can be arranged if there is sufficient interest. Details of paper time allocations, poster information etc. can be found at (<http://www.aag.org>). The conference will take place from April 5th to 9th 2005, details on location and registration costs etc. can also be found on the AAG's site.

Welfare-warfare series: Militarism, human health, and environmental destruction

Recently, with the continuation of nationalist wars and the return of discussions about empire, there has been more attention paid in human geography to understanding the causes and consequences of war. This increasing concern with warfare has unfortunately not been matched by a commensurate emergence of studies addressing the environmental and health impacts of modern state-based warfare. Studies have largely ignored the large-scale and ever increasing magnitude of human impact through warfare on environmental processes and human health, while, with few notable exceptions, critical approaches in feminist geography, sexuality and space, and political ecology have been remiss in linking underlying causes of war and militarism to environmental and health concerns (I would herein include the impact of domestic militarisation as well, which include institutions of policing and imprisonment).

This session or panel, depending on the response to this call, is an attempt to bring together both (1) empirical studies that seek to examine the environmental and health repercussions of warfare and militarism and (2) research that links environmental processes and “community health” issues to existing or novel theories on warfare and militarism.

If you would like to participate in this endeavour, please submit a title and abstract by 15 October, 2004 to Salvatore Engel-Di Mauro at sengeldi@uwsp.edu

Session Title: “Political Ecology of Health and Environmental Change”

There have been numerous geographical contributions to our understanding of the relationship between human health and the environment. This session specifically highlights political ecological approaches to the study of the complex interactions between health geographies and environmental change in various places and scales. The session is intended to bring together papers that address issues and concerns including (but not limited to) the following:

- the relationship between disease agents (parasites, bacteria, viruses, etc) with other elements of the natural environment (forests, soils, waters, plants, animals) and geographical processes (deforestation, changes in hydrological processes, changes in settlement patterns, etc.)
- perceived "environmental" causes of disease as shaped by political-economic processes
- spatial variation of exposure to environmental hazards as influenced by social production based on uneven power relations, rather than just mere geographical location
- the impact of global and local, short- and long-term environmental change on distribution of diseases, particularly vector-borne diseases (for example, the resurgence of malaria has been linked to global climate change, while newly emergent diseases such as Lyme disease, Ebola, and hantavirus have strong links to localized environmental change
- linkages between health and disease and maldevelopment; interconnections between health problems in affluent societies (obesity, heart disease, etc.) and agricultural development, through changes in dietary practices, public health policy, food politics, and agricultural policy
- historical approaches to health, disease and environment with a foregrounding of disease ecologies in environmental histories.

Please send inquiries and abstracts to ERIC D. CARTER (edcarter@wisc.edu) or SARAH J. HALVORSON (sarah.halvorson@umontana.edu), session organizers.

Session Title: “Conservation and Private Lands in The New West”

Organizer: Eric Compas, UW-Madison. Chair: Paul Robbins, UA-Tucson

While the broad outlines of contemporary transformations of the American West are known, the details of how recent demographic and economic shifts are shaping the politics surrounding the use of natural resources are unclear. This session explores how these changes are reflected in natural resource use and politics on private lands. Our studies of the region will examine various themes, theories, and intersections of environmental politics, political ecology, land-use change, and rural geography.

Session Title: “Intractable Environmental Conflicts”

Many environmental conflicts continually defy resolution, despite vast amounts of expertise and effort devoted to disentangling these conflicts. These issues have longevity, take on an extreme level of intensity, re-occur after an apparent resolution fails, and/or become so intractable as to result in violence. Do natural resources uniquely defy the established logic of conflict resolution expertise? Why do some conflicts find resolution while others fester as open societal wounds, for decades or longer? After 30 years of ‘environmental legislation’ are environmental conflicts more or less solvable?

This session proposes to examine the conundrums associated with environmental and resource management through the lens of protracted conflicts.

Suggested topic areas might include, but are not limited to the following:

- **Scale:** Some solutions to environmental conflicts that apply at one scale but do not transfer to different scales; Environmental conflicts that arise when practices or policies ‘jump scale’; Relative impact of environmental conflict at different scales
- **Resources:** Differences relating to mobile or non-mobile resource conundrums; Are specific resources e.g. air, water, oil prone to specific types of conflicts?; Changing role/view/practice of resource management priorities
- **Historical conflict:** Changes in legislation/policy/material distribution as related to environmental conflicts; Previous environmental disputes and lessons learned/not learned; Changing perception of environmental conflicts over time
- **Conflict Resolution strategies/obstacles:** Changing roles of stakeholders; Competing management; objectives/goals/agencies; Who has a voice in dispute resolution? Who is left out?

Interest, and response should be sent soon. Final abstracts (250 word limit) required by the session organizer on or before 7 October, and should be sent to Gina Bloodworth

Gina Bloodworth
Department of Geography
The Pennsylvania State University
302 Walker
tel:814.865.3433
email: gzb103@psu.edu

Session Title: “World Agricultural Frontiers”

Against a background of an expected doubling of global cereal production within 50

years (Tilman et al., 2002) and increased reach of global agricultural supply chains, farmers in the developing world are converting frontier regions into modern agricultural systems, causing environmental, social, and economic changes that merit the attention of geographers. Are modern agricultural systems (reliant on fossil fuels, high capitalization, and global commodity markets, among other characteristics [Pretty et al., 2001]) increasing in area, encroaching on lands previously used for grazing or subsistence agriculture? What are the environmental consequences of global agricultural expansion in frontier regions? What are the geographical patterns and social-economic contradictions of frontier expansion? Papers addressing any aspect of modern agricultural production in frontier regions of the developing world are encouraged to be part of an organized session at the Denver AAG (April 5-9, 2005).

Please contact Christian Brannstrom [cbrannst@geog.tamu.edu], Department of Geography, Texas A&M University

Session Title: “Responding to Climate Change: Governance and Social Action”

More than a decade since the formation of the UNFCCC, the Kyoto Protocol now stands on the brink of being ratified. Strenuous negotiations have led to important structures and processes to govern emission reductions, albeit ones whose environmental outcomes are by many considered inconsequential. In the absence of meaningful international action to date, and cognizant of the big task ahead, alternative attempts at climate change governance and social action have emerged at sub-global scales. These emerging forms of governance and social action recognize that international agreements - if implemented - provide only a partial means through which the mitigation of climate change is taking place. They also increasingly recognize the need to respond to and plan for the impacts of climate change, thus opening up new arenas and linkages between science and policy. This session seeks to examine the nature of climate change governance from a variety of perspectives, from the formal 'regimes' and institutions which have been formed at the international and regional scales to address climate change, to emerging multi-scale and networked bodies, as well as different forms of exo-governmental social action, through which climate change is being 'governed'.

In particular, we seek papers which address one of the following themes: the role of knowledge in the policy process; new forms and arrangements for governing climate change; and sub-national responses to climate change. Of interest are also such themes as social mobilization, public engagement, coalition-building, and different strategies to affect social change. By addressing these themes, we hope to contribute to broader questions about the nature of (global) environmental governance, to further develop our understanding of the interplay between state and non-state actors, and to provide an analysis of the role and significance of newly emerging networks of governance and social change.

Abstracts of no more than 250 words should be submitted to one of the convenors

(addresses listed below), as soon as possible, and before 20th September 2004 at the latest. Successful authors will be notified by early October 2004, in order that they can register for the AAG Conference.

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Session Title: "Multilateral Issues in Northeast Asia"

Organizers: Jessica Graybill (Univ. of Washington) graybill@u.washington.edu; Josh Newell (Univ. of Washington) newell@u.washington.edu

Chair: Michael Bradshaw, Professor of Geography, University of Leicester

This session will serve as a forum to present on and discuss geographical topics related to bilateral and multilateral affairs in Northeast Asia. Ongoing and recent socioeconomic, political and cultural changes in Northeast Asia uncover a host of dynamic problems usually addressed in disconnected discussions of Asia, China, or Russia. But geographical relationships between and within the countries in Northeast Asia - Korea, Japan, China, and the Russian Far East - are being recast in the twenty-first century. For example, plans for oil and gas export pipelines could integrate Russia into the region; expanding trade along the Russian-Chinese border has sparked economic development, but Chinese migration in the region raises security concerns; North Korean nuclear development plans threaten regional and international stability; and Japan and Russia continue to dispute claims to the Kuril Islands. In the same geographic spaces, local and/or indigenous cultures are affected, as they try to adapt to changing economic, social and political relationships in Northeast Asia.

- a.. We invite papers on such timely topics as:
- b.. The role of resource-based economies in this region
- c.. Changing energy (oil, gas) supply and demand
- d.. Migration issues
- e.. Demographic crises in Russia and China
- f.. Transboundary border or marine issues (socioeconomic, environmental, etc.)

g.. Northeast Asia security and geopolitical problems

h.. Problems of indigenous and local peoples

Please send any inquiries and abstracts to the organizers by 10 October 2004.

Session Title: “Human-Environment Research from the Andes to the Amazon”

The tropical Andes and upper Amazon basin represent a region of great cultural and biological diversity and of intense environmental change and conflict. In the tropical Andes, remnant cloud forests persist in a largely anthropogenic landscape that is being transformed by out-migration. In the upper Amazon basin and eastern Andean flank, spontaneous colonization facilitated by the state and other state-sponsored projects have led to significant deforestation, urbanization, and displacement of indigenous peoples without improving social and economic conditions. Political instability, militarization and government inattention threaten the sustainability of existing conservation and development projects. Throughout the region these issues have driven human-environment research, including important contributions in the traditions of demography, GIScience, anthropology and ecology. This research will be the focus of one or two sessions at AAG 2005 to be organized by Clark Gray (cgray@email.unc.edu) and Carlos Mena (mena@email.unc.edu) of the University of North Carolina at Chapel Hill. Potential themes include: land use, deforestation and forest degradation, migration, rural livelihoods, urbanization, sustainable agriculture and forestry, and conservation and development policy.

Human Security and Climate Change: An International Workshop

Oslo, Norway, 21–23 June 2005

Human security can be thought of as having the capacity to avoid violent conflict, overcome vulnerability, and respond positively to environmental change. The general aim of this workshop is to reposition the climate change debate within the context of human security. While there has been substantial research into the impact of climate variability and change on society, most of this work has focused on climate as the driving force, rather than on how it interacts with the complex and rapidly changing socio-political environments that ultimately determine the security of individuals, communities, or nations.

Specific topics that will be considered at this workshop include:

- How does climate change affect vulnerability, and hence human security?
- What role does climate change play in the array of factors affecting human security?

- How might climate change directly or indirectly influence conflict or cooperation?

The workshop, planned for 21–23 June 2005, will bring together approximately 50 participants to present and discuss aspects of human security and climate change. The workshop will serve as a forum for formulating a research agenda related to human security and climate change. The network of scholars working in this field of research will be broadened through the workshop and other follow-up activities linked to IHDP and UNEP. A selection of the best papers from the workshop will be submitted as a special issue to an international journal.

The causal chain from climate change to significant impacts on human security is likely to be long, complex, and full of uncertainties. We are looking for papers that contribute significantly to multiple elements of this chain, whether written by authors primarily associated with climate change research or with research on conflict, vulnerability, or other aspects of human security. There are no restrictions in terms of academic disciplines. The decisive criterion is the likelihood that the paper can make a meaningful contribution to the intersection of the study of climate change with that of human security.

The workshop is organized by the Global Environmental Change and Human Security (GECHS) Project of the International Human Dimensions of Global Environmental Change Programme (IHDP), in collaboration with CICERO and the Centre for the Study of Civil War (CSCW) at the International Peace Research Institute, Oslo (PRIO). It is co-sponsored by the Department of Early Warning and Assessment (DEWA) at the United Nations Environment Programme (UNEP). DEWA/UNEP has agreed to support developing country participation in the workshop. Partial funding may also be available to cover travel and local costs for other presenters.

Those who are interested in participating should send a paper title, an abstract (minimum 200 words), institutional affiliation and address, as well as a brief bio-note to the conference secretariat at humsec-secretariat@cicero.uio.no, no later than 20 September. We will make a preliminary selection of papers by 31 October. Acceptance of a paper will not automatically entail travel funding. Final confirmation will await the response to pending funding applications, and we will provide a definitive answer before the end of 2004.

6. Internships, Fellowships and Postdocs

Internship, Global Forest Watch (GFW) Southeast Asia Biological Resources Program (BRP), WRI

Job Description:

Global Forest Watch (GFW) is a project of the World Resources Institute. GFW is comprised of an international network of public and private organizations that seeks to catalyze changes in forest use to satisfy current and future needs. GFW closely collaborates with in-country partners to conduct analyses, publish maps, databases and reports documenting forest condition and forest use trends around the world. GFW has recently completed a strategy to guide activities in Southeast Asia region. The strategy will focus on monitoring of:

- 1) forests and the environmental impacts of forest-based activities; and,
- 2) logging, transport and marketing operations by regional industries.

GFW seeks an intern to assist in the implementation of the Southeast Asia strategy for a 6 month period. The salary range for this internship is between \$9 to \$12 per hour depending on qualifications.

Major responsibilities:

GFW is currently seeking to employ an intern for a minimum of 6 months. The purpose of this internship will be to support the GFW Southeast Asia program, focused on Indonesia . Working under the direction of GFW staff the intern will:

- Carry out spatial analyses with Geographic information systems (GIS) and remote sensing data.
- Research logging and forestry issues in Southeast Asia .
- Establish contacts with relevant representatives from governments, NGOs, the private sector and donors and maintain a data base of key institutions and their forest-based programs and plans in the region;
- Identify strategic interventions in which GFW may have comparative advantages, working in close collaboration with regional partners;
- Assist in developing funding proposals to support those interventions.
- Liaison with relevant World Resources Institute staff to implement activities.

As part of the above activities, the intern will be expected to:

- Provide clerical and administrative support as needed (typing, faxing, photocopying, travel arrangements)
- Schedule and organize meetings

- Assist in outreach, correspondence and marketing, including proofreading, translation, and finalization of documents and publications.

Required Qualifications:

- Good understanding of GIS and Remote sensing
- Experience in Southeast Asia preferably Indonesia
- Training and/or experience in forestry or related field
- Excellent written and oral skills in English
- Ability to juggle multiple priorities
- Ability to work well in a team atmosphere
- Demonstrated networking skills
- Excellent computer skills Microsoft Office

Preference will be given to:

- Knowledge, fluency or native speaker in Bahasa Indonesia
- Project management experience
- Training and/or background in business
- Experience with ESRI's Arcview GIS software

Please note: this position is short-term and WRI cannot provide an H1B visa for international candidates. Applicants are responsible for establishing their own VISA work status, which must be valid throughout the six month internship period.

Qualified candidates please send cover letter, curriculum vitae/resume and a writing sample to:

Global Forest Watch c/o
World Resources Institute
Internship - GFW Southeast Asia
10 G Street, NE #800
Washington , DC 20002 , USA
FAX: 202-729-7686
E-mail: gfw@wri.org (GFW Southeast Asia Intern

Post-doc positions in ecology and remote sensing

Non-profit Yellowstone Ecological Research Center in Bozeman, Montana, and its for-profit remote sensing center:

http://www.yellowstoneresearch.org/job_descriptions/post-doc.html

and for a remote sensing scientist:

<http://www.hyperspectives.net/Page%203.htm>

Doctoral-level Opportunity

The University of Alberta, Department of Earth and Atmospheric Sciences, has an opportunity for a Ph.D. student to join a growing research team examining the human dimensions of wildfire within wildland-urban interface areas in Canada.

The student will join a three-year project housed in the Department of Earth and Atmospheric Sciences (Human Geography) at the University of Alberta . The project focuses on property owners within a sample of wildland-urban interface communities in Alberta explore their wildfire risk perception, risk reduction decision-making and activities at the household level, and preferences for community-level risk reduction measures, using quantitative social science research methods.

The candidate must have a human geography, social sciences, or interdisciplinary academic background with a strong interest in the human dimensions of environmental hazards.

Interested students should contact Tara McGee, Department of Earth and Atmospheric Sciences, University of Alberta , 114 Street - 89 Avenue, Edmonton , Alberta , Canada T6G 2E1 ; e-mail: tmcgee@ualberta.ca .

Fellowships from the National Academies

The contribution of science, technology, and engineering to the formulation and implementation of U.S. government domestic and foreign policy has long been recognized as a critical element in good governance. Without an accurate, timely understanding of rapidly advancing science and technology issues, it is increasingly difficult to identify and establish sound governmental policy that meet the needs of modern societies.

In recognition of this, the National Academies sponsors the " Jefferson Science Fellows" (JSF) program to establish a new model for engaging the American academic science, technology, and engineering communities in the formulation and implementation of U.S. foreign policy. The program is administered by the National Academies, philanthropic foundations, and the U.S. Department of State. Nominations are due October 1, 2004 . Complete program information is available at <http://www.national-academies.org/jsf> .

The National Academies' "Christine Mirzayan Science and Technology Policy Internship Program" is also accepting applications from graduate and postdoctoral students for its 2005 sessions. The program is designed to engage science, engineering, medical, veterinary, business, and law students in the analysis and creation of public policy and familiarize them with the interactions of science, technology and government. There is a rolling application deadline for seasonal application periods. For complete information visit:

<http://www7.national-academies.org/internship>.

More information about both programs, including detailed guidelines, eligibility requirements, and placement/research specifics, is also available from The National Academies, Fellowships Office, 500 Fifth Street NW, GR 322A, Washington, DC 20001 ; (202) 334-2872.

National Geographic Society Geography Internship Program

Spring, Summer, and Fall 2005

ELIGIBILITY: Geography and cartography majors at U.S. colleges and universities who are currently enrolled in their junior or senior year or in a master's degree program.

PURPOSE OF PROGRAM: To furnish students with a professional learning experience through participation in various projects aimed at the diffusion of geographic knowledge. Interns are given the opportunity to apply knowledge and classroom techniques to practical publication procedures or other geographic outreach projects.

INTERN RESPONSIBILITY: Interns may be assigned to work in one of the many divisions within the Society such as www.nationalgeographic.com, one of the magazines, books or maps. Assignments may also include work on an increasing number of geographic outreach projects.

PERIOD OF INTERNSHIPS (14 TO 16 WEEKS):

Spring (January 18th through April 22nd)

Summer (May 16th through August 19th)

Fall (September 6th through December 16th)

LOCATION: Interns will work at the National Geographic Society Headquarters in Washington, D.C.

RENUMERATION: Interns will be paid \$325 per week for a 40-hour workweek, plus a travel allowance to cover travel expenses between their academic institution and Washington, D.C.

HOUSING: Interns are responsible for their lodging in the Washington , D.C. area, including meals and other living expenses.

HOW TO APPLY: Students (including those who have applied before) must furnish all of the following materials:

- The completed APPLICATION COVER FORM--available from Robin Johnson in the Geography Office at UCSB (3611 Ellison Hall).
- A short essay (500 words or less) relating experiences which led the applicant to formal training in geography, stating his or her professional goals, and explaining why he or she wishes to participate in the Society's Geographic Intern Program.
- A complete resume that includes each of the following: the applicant's extracurricular activities, awards and recognitions, employment history, special interests, hobbies, and travel.
- Up-to-date official college transcripts for all college experience, including undergraduate course work if applying as a master's degree student.
- Three letters of recommendation: One from the applicant's department chair or academic advisor and two from geography faculty members with whom the applicant has been associated.
- All these materials must be enclosed in one envelope (including any sealed confidential recommendation letters or transcripts) to:

Robert E. Dulli, Director
Geography Intern Program
National Geographic Society
1145 17th Street, N.W.
Washington , D.C. 20036

APPLICATION DEADLINE: All application materials must be received by October 15, 2004 . An applicant will not be considered if all required materials are not received at this time. Application materials will not be accepted by fax or on the Internet.

NOTIFICATION OF SELECTION: Applicants selected for the three sessions in 2005 will be contacted by telephone by December 10th, 2004 .

CREDIT FOR INTERNSHIP: Where appropriate, credit for the internship may be possible through an arrangement with the intern's academic institution and the National Geographic Society.

WORLD WIDE WEB: To learn more about the National Geographic Society, visit our website at [http:// www.nationalgeographic.com](http://www.nationalgeographic.com) .

The National Academies' Christine Mirzayan Science and Technology Policy Internship Program is now accepting applications from graduate and postdoctoral students for its winter, summer and fall 2005 sessions. The program is designed to engage science, engineering, medical, veterinary, business and law students in the analysis and creation of public policy and to familiarize them with the interactions of science, technology and government. The application deadline for the winter session is Monday, Nov. 1.

<http://www7.national-academies.org/internship>

The National Academies are now accepting nominations for the **State Department's Jefferson Science Fellows Program**. Administered by the Academies, the program will offer senior academic scientists and engineers in academia the opportunity to advise State Department policy-makers on science and technology. Applications are due by Friday, Oct. 1. <http://www.national-academies.org/jsf>

USGS Mendenhall Postdoc Research Fellowships

The USGS has just announced the FY06 opportunities for the Mendenhall Postdoc Research Fellowship Program. Application due date is Dec. 1, 2004. More info can be found at the Mendenhall Website (<http://geology.usgs.gov/postdoc/>).

The Mendenhall Program provides an opportunity for postdoctoral fellows to conduct concentrated research in association with selected members of the USGS professional staff, often as a final element to their formal career preparation. The Program is also intended to provide research experiences that enhance their personal scientific stature and credentials. The Mendenhall Postdoctoral Research Fellowship Program is envisioned to bring current expertise in the earth sciences to assist in the implementation of the USGS Strategic Plan and the science strategy of its programs (for example, <http://pubs.usgs.gov/circular/c1172/>).

Mendenhall Fellows are appointed to the USGS for two years and receive full salary and benefits at the GS-12 level. The 2004 base salary for a GS-12 is \$58,665. This amount might be higher depending on the amount of locality pay for the geographic area of the assignment (for example, \$65,706 for Menlo Park, Calif.; \$61,712 for Denver, Colo.; and \$60,638 for Reston, Va.). A 4.1 percent pay raise is estimated for 2005. The appropriate personnel office can provide the exact salary for other areas.

Jonathan A. Warrick, PhD
US Geological Survey
Coastal & Marine Geology
345 Middlefield Road, MS 999
Menlo Park, CA 94025
650-329-5376 phone

650-329-5190 fax
jwarrick@usgs.gov

Executive Secretary for International Arctic Science Committee (IASC)

Application Deadline: Friday, 1 October 2004
Further information is available from:
Professor Patrick J. Webber, President

International Arctic Science Committee

Phone: +1 517 355 1284

E-mail: webber@msu.edu

and

Professor Olav Orheim, Director

Norwegian Polar Institute

Phone: +47 77 75 05 00

E-mail: orheim@npolar.no

Information about IASC is available at: <http://www.iasc.no>

The International Arctic Science Committee (IASC) is a non-governmental, international membership organization that encourages, promotes, and facilitates cooperation in all aspects of Arctic research, in all countries engaged in Arctic research, and in all parts of the Arctic . IASC strives to integrate human, social, and natural sciences concerned with the Arctic and provide scientific advice on Arctic issues.

As the present Executive Secretary is retiring by 1 August 2005 , IASC is seeking a successor. Applicants should preferably have the following qualifications:

- Extensive knowledge of international Arctic research
- Broad experience in cooperative, international scientific programmes or activities
- Considerable insight into Arctic problems and policy issues
- Relevant science management and administrative experience
- Good oral and written knowledge of English is required.
- Applicants should be enterprising, open-minded, and creative

The Executive Secretary will serve on a four-year contract with possible extensions. Salary is negotiable, and annual salary will start above NOK 450000 (64,733 USD). It will be commensurate with the qualifications of the successful applicant. The Secretariat will be located at the Norwegian Polar Institute in Tromsø , Norway . The Executive Secretary will be assisted by an administrative secretary. For a complete job description, please contact the IASC Secretariat at iasc@iasc.no . The application must briefly list the

candidate's qualifications related to those mentioned in the announcement, as well as the names of two referees. Applications should be sent to:

The IASC Secretariat
PO Box 5156 Majorstuen
Oslo N-0320
Norway

An electronic copy of the application should be sent to: iasc@iasc.no

Postdoctoral Position, Institute for Arctic Studies, Dartmouth College

For further information, please e-mail: arctic@dartmouth.edu

This two-year term position with full benefits is supported by the Evelyn Stefansson Nef fund in Northern and Polar Studies at Dartmouth College, in collaboration with the John Sloan Dickey Center for International Understanding, the Hood Museum of Art, and the Rauner Special Collections Library.

The successful candidate will hold a Ph.D. in a relevant discipline with significant research experience in Northern issues and/or cultures. Areas of interest emphasize the human dimensions of environmental change, language and culture, and the history of settlements in and expeditions to the region. The Postdoctoral fellow reports to the Director of the John Sloan Dickey Center for International Understanding.

Primary responsibilities will include scholarly and administrative support for a major research conference and accompanying museum displays to take place at Dartmouth College in Fall 2006 with a focus around the theme of 100 years of Arctic change. Research will draw upon extensive primary and secondary materials from the Stefansson Polar Exploration Collection of Dartmouth's Baker-Berry Library, as well as artifact collections housed at the Hood Museum of Art. In addition, the candidate will teach one course per year in his or her field as part of the Dickey program in Northern and Polar Studies. The opportunity to edit/author an exhibition catalogue in conjunction with an exhibition at the Hood Museum of Art also exists. Review of applications will begin immediately for a position beginning in Fall 2004 or Winter 2005.

When applying, please include the following:

- (1) Statement of interest
- (2) Curriculum vitae
- (3) Names and addresses of three professional references

Applications should be sent to:

Stefansson Postdoctoral Search Committee
Dickey Center Institute of Arctic Studies
6214 Fairchild Hall
Dartmouth College
Hanover, NH 03755
USA

Dartmouth College is an Equal Opportunity Employer with a demonstrated commitment to diversity. Women and minority candidates are especially encouraged to apply.

Society of fellows in the humanities fellowship announcement 2005-2006, Columbia University

The Columbia Society of Fellows in the Humanities, with grants from the Andrew W. Mellon Foundation and the William R. Kenan Trust, will appoint a number of postdoctoral fellows in the humanities for the academic year 2005-2006. Fellows newly appointed for 2005-2006 must have received the Ph.D. between January 1, 1999 and July 1, 2005 .

Aims of the Columbia Society of Fellows in the Humanities:

The Society seeks to enhance the role of the humanities in the University by exploring and clarifying the interrelationships within the humanities as well as their relationship to the natural and social sciences. The program is designed to strengthen the intellectual and academic qualifications of the fellows: first, by affording them time and resources to develop independent scholarship within a broadening educational and professional context; second, by involving them in interdisciplinary programs of general education and in innovative courses of their own design; and third, by associating them individually and collectively with some of the finest teaching scholars in the University.

The Society is comprised of the fellows, faculty members of the governing board, and other invited faculty. The Society holds weekly meetings to advance the intellectual and educational purposes common to the membership.

Fellowships:

Fellows are appointed for one year at a rank equivalent to that of lecturer. The appointment is ordinarily renewed for a second year. Each fellow is required to teach a section of one of the introductory courses in the Core Curriculum: Contemporary Civilization, Literature Humanities, Music Humanities, Art Humanities, Asian Civilizations, Asian Humanities, or Major Cultures, including the cultures and civilizations of Africa , Latin America , and the Middle East . In the first year, one of these introductory courses each semester constitutes the full program of teaching, with

required attendance at the weekly staff meetings for the Core Curriculum course that the fellow is teaching. In the second year, fellows may wish to take the opportunity to develop and teach an experimental one-semester course in addition to the course in the Core Curriculum. www.columbia.edu/cu/societyoffellows

Stipend of Fellows:

The stipend for 2005-2006 is \$50,000. Full fringe benefits are added and an additional \$3,000 is available for each fellow to support research needs.

Application:

Applications may be downloaded from our website: www.columbia.edu/cu/societyoffellows. Completed applications should be returned to the Director. When mailing via courier service:

Society of Fellows in the Humanities The Director
Heyman Center, Mail Code 5700 Society of Fellows in the Humanities
Columbia University Heyman Center, 3rd Floor, East Campus
2960 Broadway Columbia University
New York , NY 10027 118th St at Amsterdam Avenue
New York , NY 10027

The deadline for completed applications is October 1, 2004 .

Columbia University is an Equal Opportunity/Affirmative Action Employer.

Research Fellowships in Helsinki Collegium for Advanced Studies

<http://www.helsinki.fi/collegium/eng/home.htm>

The Helsinki Collegium for Advanced Studies was founded on 1 January 2001 as an independent institute within the University of Helsinki . Its aim is to enhance scholarly excellence within the human and social sciences, to endorse dialogue between different academic orientations, and to promote the international recognition of Finnish scholars. Since the beginning of August 2002, the fellows of the Collegium have been working in common premises within the central campus area of the University. This permits closer cooperation and community-building across the disciplinary boundaries.

The Helsinki Collegium appoints annually researchers from the fields of theology, law, education, the arts, and the social sciences. Applications are welcome from both younger post-doctorate researchers and more established scholars. The Collegium recruits its scholars on the basis of their individual merits and the future promise of excellence, but it also considers

the transdisciplinary relevance and potential of the applicants. The aim is to promote among the fellows cooperation across the disciplinary boundaries and encourage the creation of

transdisciplinary clusters of competence to complement the traditional fields of inquiry. In 2004, 41 fellows make up the research staff of the Collegium. Their research contracts range from one to five years. About one-half of the appointed researchers are women, and their orientation with respect to their faculties of origin is as follows: the arts eighteen, the social sciences eleven, theology five, law one, and behavioral sciences four. You will find more detailed information about the fellows and the research carried out from our staff pages. The Collegium has no disciplinary or other related quotas in its appointment procedures.

Through the application procedure, the research posts of the Helsinki Collegium are open to all irrespective of their nationality or home university. The number of researchers was increased annually with the help of the University's own funds until in 2004, when the Collegium reached its optimum size of about 40 researchers. They are complemented by collaborators of appointed fellows and scholars who work with external funding. The Collegium intends to raise external funds that will be used to invite renowned foreign scholars to work in Helsinki. Over the following years, the aim is to secure a substantive contribution from distinguished international scholars to the work of the Collegium and its fellows.

The Collegium is governed by its Board and Director. The Board represents various academic constituencies of the university and it is chaired by Professor Mirja Saari. In addition to being a scholar him/herself, the Director is expected to be an active scholar with an international orientation. The Collegium also has an international Academic Advisory Board that is appointed for a three-year period. The Advisory Board has fifteen members who are all from outside Finland.

In practical terms, the Board of the Collegium appoints the researcher fellows after their applications have been evaluated in detail by the Advisory Board that meets once a year. This system aims to guarantee a competent and impartial procedure in the selection of the fellows. The bar is high; so far, less than ten per cent of the applicants have been appointed.

The academic activities of the Collegium are only taking shape. Over the next two years, the Collegium aims to establish itself as a forum that is able to bring together, for lectures and symposia offered by fellows and visitors alike, a great variety of Finnish and international scholars. It aims to be both a producer and a consumer of high-level research in the humanities and social sciences, and active especially in the electronic dissemination of the results of research work.

As an institution, the Helsinki Collegium is unique in Finland. Its international models include several similar institutes in Europe and North America, including the Institute for Advanced Study in Princeton and the Wissenschaftskolleg in Berlin. The University of Helsinki has been ranked among the best research universities in Europe. The goal of the

Collegium is to prop up the international role of the University in basic research concerning basic research in the humanities and social sciences.

For more information, contact Ms Maria Soukkio.

Helsinki Collegium for Advanced Studies
P.O. Box 4
FIN-00014 University of Helsinki
Finland

Tel +358-(0)9-191 24974
Fax +358-(0)9-191 24509
Email maria.soukkio@helsinki.fi

Announcement of Opportunity: START Fellowship/Visiting Scientist Program
(Round 13)

This program, funded by DGIS, the Netherlands, is designed to increase the number of developing country scientists who serve as active partners in global change research in START regional networks and in the Joint and Core Projects of the Earth System Science Partnership (IGBP, WCRP, IHDP, and DIVERSITAS). Through this effort, these scientists will also be able to contribute to related aspects of sustainable development for their respective countries and regions.

START Fellowships are offered at the graduate and post-graduate levels to young scientists from Africa, Asia, and Oceania. START fellows may work under senior mentors in leading laboratories or institutions in any part of the world, where research is conducted on relevant regional aspects of global change. Long-term collaboration between the individuals and institution involved is one important preferred outcome of the programme. The duration of these fellowships is ordinarily one or two semesters (i.e. typically 4-8 months).

A parallel activity, the START Visiting Scientist Award, allows more senior scientists from developing countries the opportunity to undertake short-term visits to major international laboratories to become acquainted with recent advances in research and develop long-term programmatic linkages and partnerships. The duration of these awards is usually 1-2 months.

Both the fellowship and visiting scientist awards will provide economy-class, roundtrip airfare and a modest subsistence allowance.

Nominations/Applications:

The following information must be included in applications for the START Fellowship and Visiting Scientist Programmes:

1. The START Fellowship/Visiting Scientist Application Form [available from the START website (www.start.org) in various formats; 3 pages].
2. A brief description (3-5 pages) of the proposed fellowship/visiting scientist program, including expected outcomes and benefits. Linkages to the international global change research programmes should be made explicit.
3. Indication of willingness of host institution to receive fellow or visiting scientist (e.g. letter of support; 1 page);
4. Curriculum vitae of candidate, including relevant qualifications and experience (1-2 pages); and
5. Proposed budget requirements (airfare and subsistence as appropriate for host country). All budget items should be justified (1 page).

Applications (of no more than 12 pages total) can be submitted electronically, via fax, or by mail (postmarked by the deadline). Electronic submission is strongly encouraged.

DEADLINE for the thirteenth round of awards is: December 1, 2004. For further information, contact:

Ms. Patricia Sipher, Program Associate
International START Secretariat
2000 Florida Avenue, NW, Suite 200
Washington, DC 20009 USA
Tel: (1-202) 462-2213; Fax: (1-202) 457-5859
E-mail: psipher@agu.org

Sustainable Development Post Doctoral Program

The postdoctoral fellows program in sustainable development of the planet at the **Earth Institute at Columbia University in New York** is seeking applications from postdoctoral candidates interested in path-breaking disciplinary research as well as multidisciplinary initiatives on sustainable development issues.

The fellows program provides scholars with the opportunity to enhance their foundation in one of the Earth Institute's core disciplines while at the same time acquiring the cross-disciplinary expertise and breadth needed to address critical issues related to reducing poverty, hunger, disease, and environmental degradation.

Applications are due December 1, 2004, for fellowships beginning in the summer or fall of 2005. Candidates for the fellows program should submit a proposal for research based in Institute core areas (which can be found at <http://www.earthinstitute.columbia.edu>).

For more information contact Hilary Cisneros Dewhurst, The Earth Institute at Columbia

University, 405 Low Library, MC 4335, 535 West 116th Street, New York, NY 10027; e-mail: hd6@columbia.edu ; <http://www.earthinstitute.columbia.edu/postdoc/> .

7. Jobs

Job listings are available in a separate PDF at:

<http://hdgc.psu.edu/Archive/JobListings-Fall2004.pdf>