

# **Sustaining Cultural and Biological Diversity in a Rapidly Changing World: Lessons for Global Policy**

*April 2-5, 2008*



## **Sustaining Cultural and Biological Diversity in a Rapidly Changing World: Lessons for Global Policy**

Sustaining Cultural and Biological Diversity in a Rapidly Changing World: Lessons for Global Policy is co-organized by the American Museum of Natural History's Center for Biodiversity and Conservation, IUCN-Commission on Environmental, Economic, and Social Policy (CEESP) Theme on Culture and Conservation, Terralingua, and the Wenner-Gren Foundation. This symposium is made possible by major support and organizational assistance from the Christensen Fund. Additional support has been provided by the Rockefeller Foundation, Oak Foundation, and the National Science Foundation.

The Mack Lipkin Man and Nature Series was established in honor of Dr. Mack Lipkin, Sr., by his many friends and admirers. Dr. Lipkin was a physician whose humane and caring approach to the practice of medicine were an enormous inspiration to a generation of medical students and physicians. The Museum is proud to welcome Kamal S. Bawa, Kewulay Kamara, Chie "Siqiniq" Sakakibara, Luci Tapahonso, and Sarah Weiss as the 2008 Mack Lipkin Man and Nature Series Fellows.

For their significant role in shaping the form and content of this symposium, we especially wish to acknowledge Leslie Aiello, Alejandro Argumedo, Nora Bynum, Katherine Homewood, Liz Hosken, Elizabeth Johnson, Carol Kalafatic, Laurel Kendall, Ashish Kothari, Kenneth Iain MacDonald, Luisa Maffi, Aroha Te Pareake Mead, Jane Mt. Pleasant, Laurie Obbink, Christine Padoch, Gleb Raygorodetsky, David Rapport, Kent Redford, Alaka Wali, Paige West, and Peter Whiteley. Many others contributed to the planning and implementation of this symposium, and while they are far too numerous to list individually, the Center for Biodiversity and Conservation extends its thanks to all of them.

Symposium Content Coordinators

**Eleanor J. Sterling, Kenneth Iain MacDonald, Luisa Maffi**

Symposium Supervisor

**Felicity Arengo**

Symposium Logistics Coordinator

**Fiona Brady**

Technology Coordinators

**Tony Alexander and Ho-Ling Poon**

Program Design

**James Lui**

Note: Additional symposium information, including participant bios, poster abstracts, etc., will be posted to the CBC website at <http://symposia.cbc.amnh.org/biocultural/>

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Center for  
**Biodiversity and  
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American Museum of Natural History  
Center for Biodiversity and Conservation  
April 2-5, 2008

## **Sustaining Cultural and Biological Diversity in a Rapidly Changing World: Lessons for Global Policy**



**T**he past two decades have witnessed an upsurge of interest in the links and synergies between linguistic, cultural, and biological diversity, and an emerging realization that the world's biodiversity and the vast and diverse pool of cultural knowledge, beliefs, values, practices, and languages developed by humanity are under threat by many of the same human-induced forces. These circumstances call for integrated approaches in research and action. Yet, both in scientific inquiry and in the realms of policy and management, the categories of "nature" and "culture" are often treated as distinct and unrelated entities, mirroring a common perception of humans as separate from the natural environment. This conceptual dichotomy is also reflected in, and reinforced by, the mutual isolation that has historically characterized training and work in the natural and social sciences, leading to fragmentation and limited communication or collaboration among different fields concerned with diversity and sustainability in nature and in culture. The resulting approaches, in both theory and practice, have generally failed to recognize the interconnectedness of natural and cultural processes and of the threats they are facing, or at least to bring cross-cutting expertise to bear on these issues. Thus, these approaches have not succeeded in stemming the mounting erosion of the diversity of life in all its manifestations.

At a time when the environmental and social consequences of human-induced changes — such as deforestation, desertification, degradation and reduction of global water resources, as well as climate change — are increasingly severe, it is essential to re-examine and redefine the place of humans within nature and to achieve a clearer understanding of the connections between biological, cultural, and linguistic diversity. To attain this goal, a better dialogue across fields of research and action is needed. It is also necessary to strengthen our willingness to appreciate and learn from the vast variety of approaches to human-environment relationships that have developed across the world's diverse cultures and languages, often through close interactions with the natural environment and based on a perception of humans as part of, rather than separate from, nature.

"Sustaining Cultural and Biological Diversity in a Rapidly Changing World: Lessons for Global Policy" explores the various biological, linguistic, and cultural processes that produce and regulate environmental knowledge and practices in different social, political, and economic contexts around the world. We place an emphasis on understanding different ways of knowing and of attributing material and non-material values to the natural world, and on the relevance of integrating ethical and cultural values with both theory and practice. This symposium provides a forum for thinking through possible future research directions as well as developing recommendations for global policy, and we will share results and information with educators, students, practitioners, policy makers, and the general public who are not able to attend the event.

# SUSTAINING CULTURAL AND BIOLOGICAL DIVERSITY IN A RAPIDLY CHANGING WORLD: LESSONS FOR GLOBAL POLICY

American Museum of Natural History  
New York City

April 2 through 5, 2008

DAY ONE Wednesday, April 2, 2008

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7:45-8:30 am Registration (Please enter at 77th Street "Staff Entrance")

## SESSION I

8:30 am INTRODUCTION REMARKS  
(Kaufmann Theater,  
first floor) **Ellen V. Futter**, *President, American Museum of Natural History*

### SUSTAINING CULTURAL AND BIOLOGICAL DIVERSITY: SETTING THE STAGE

#### SESSION INTRODUCTION

**Eleanor J. Sterling**, *Director, Center for Biodiversity and Conservation, American Museum of Natural History*  
**Luisa Maffi**, *Director, Terralingua, British Columbia, Canada*

#### HOW DO BIODIVERSITY AND CULTURE INTERSECT?

**Jules Pretty**, *Head, Department of Biological Sciences, University of Essex, UK*

#### CONSERVATION REDUX: DIALOGUE AND THE RECONCILIATION OF DIVERSITY

**Kenneth Iain MacDonald**, *Department of Geography, Program in International Development Studies, Centre for Diaspora and Transnational Studies, University of Toronto, Canada*

#### LOCAL VOICES IN GLOBAL DISCUSSIONS:

#### HOW FAR HAVE INTERNATIONAL CONSERVATION POLICY AND PRACTICE INTEGRATED INDIGENOUS PEOPLES AND LOCAL COMMUNITIES?

**Ashish Kothari**, *Member, Kalpavriksh Environmental Action Group and Co-Chair, IUCN  
Theme on Indigenous/Local Communities, Equity, and Protected Areas, Pune, India*

10:00 am C O F F E E B R E A K (Hall of Northwest Coast Indians)

## SESSION II

10:30 am SUSTAINING CULTURAL AND BIOLOGICAL DIVERSITY: ISSUES AND PRIORITIES

#### TOPIC 1:

#### CONSERVING BIODIVERSITY AND SUSTAINING CULTURAL DIVERSITY: OPPORTUNITIES AND CHALLENGES

##### ■ CHAIRS:

**Alaka Wali** (*Moderator*), *Nuveen Curator in Anthropology and Director, Center for Cultural Understanding and Change, The Field Museum, Chicago, Illinois, US, and*

**Eleanor J. Sterling**, *Director, Center for Biodiversity and Conservation, American Museum of Natural History*

##### ■ PANELISTS:

**Avecita Chicchón**, *Director, Latin America and Caribbean Program, Wildlife Conservation Society, Bronx, New York, US*

**Micah Loma'omvaya**, *Archaeology/Ethnohistory Program Manager, Hopi Cultural Preservation Office, Kykotsmovi, Arizona, US*

**Million Belay**, *Director, MELCA (Movement for Ecological Living and Community Action) and Coordinator, Cultural Biodiversity Thematic Area, African Biodiversity Network, Addis Ababa, Ethiopia*

**J. Peter Brosius**, *Professor, Ecological and Environmental Anthropology, Department of Anthropology, University of Georgia, Athens, Georgia, US*

- 
- 11:30 am **TOPIC 2:  
MEASURING AND MONITORING STATE AND TRENDS IN BIODIVERSITY AND CULTURE**
- **CHAIRS:**  
**Jonathan Loh** (*Moderator*), *Research Associate, Institute of Zoology, Zoological Society of London, UK*, and  
**David Harmon**, *Executive Director, The George Wright Society, Hancock, Michigan, US*
- **PANELISTS:**  
**David Rapport**, *Principal, EcoHealth Consulting, Canada*  
**Ashbindu Singh**, *Regional Coordinator, UNEP Division of Early Warning and Assessment-North America, Washington, DC, US*  
**Yolanda Terán**, *Regional Coordinator for Latin America and the Caribbean, Indicators Group, Ecuador*  
**Stanford Zent**, *Center for Anthropology, Venezuelan Institute for Scientific Research, Caracas, Venezuela*
- 12:30 pm **LUNCH BREAK**
- 2:15 pm **SESSION INTRODUCTION**  
**Michael J. Novacek**, *Senior Vice President and Provost of Science, American Museum of Natural History*
- TOPIC 3:  
BIODIVERSITY CONSERVATION AND THE RESILIENCE OF SOCIO-CULTURAL  
INSTITUTIONS**
- **CHAIRS:**  
**Dan Brockington**, *Senior Lecturer, Institute for Development Policy and Management, University of Manchester, UK*; and  
**Bhaskar Vira** (*Moderator*), *University Senior Lecturer and Fellow of Fitzwilliam College?, Director of Undergraduate Studies,  
University of Cambridge, UK*
- **PANELISTS:**  
**Alejandro Argumedo**, *Founding Member and Co-Chair, Call of the Earth Steering Committee, Cusco, Peru*  
**Crystal Fortwangler**, *Department of Environmental Science, Barnard College, Columbia University, New York, New York, US*  
**Aroha Te Pareake Mead**, *Senior Lecturer in Maori Business, Victoria University of Wellington, and Senior Research Fellow,  
Centre of Environmental Law, Macquarie University, Sydney, Australia*  
**Charles Zerner**, *Cohn Professor of Environmental Studies, Sarah Lawrence College, Bronxville, New York, US*
- 3:15 pm **COFFEE BREAK (Hall of Northwest Coast Indians)**
- 3:45 pm **TOPIC 4:  
THE CULTURAL POLITICS OF SUSTAINING CULTURAL AND BIOLOGICAL DIVERSITY**
- **CHAIRS:**  
**Adrian Cerezo**, **Dana Graef**, and **Michael Dove**, *Yale School of Forestry and Environmental Studies, New Haven,  
Connecticut, US*
- **PANELISTS:**  
**Ken MacDonald** (*Moderator*), *Department of Geography, Program in International Development Studies, Centre for Diaspora  
and Transnational Studies, University of Toronto, Canada*  
**Juanita Sundberg**, *Assistant Professor, Latin American Studies, Department of Geography, University of British Columbia,  
Canada*  
**Julie Velásquez Runk**, *Assistant Professor, Department of Anthropology, University of Georgia, Athens, Georgia, US*  
**Paige West**, *Assistant Professor, Department of Anthropology, Barnard College, Columbia University, New York, New York, US*
- 4:50 pm **SYNTHESIS OF THE DAY'S TOPICS**  
**Michel Pimbert**, *Director, Sustainable Agriculture, Biodiversity and Livelihoods Programme, International Institute for  
Environment and Development (IIED), London, UK*
- 5:30 pm **ADJOURN**

	KAUFMAN THEATER	LINDER THEATER	LEONHARDT PEOPLE CENTER	POWERHOUSE
8:30	Voices From Around the World presentation	Voices From Around the World presentation	Voices From Around the World presentation	Open <i>Ubuntu</i> Sessions from 10:15 am-4:00 pm will provide a time and place for individuals and groups to come together informally and organically to discuss issues, exchange views, and forge partnerships and alliances.
8:45	Endangered Languages and Traditional Ecological Knowledge, Part I	Indigenous Peoples and Climate Change, Part I: Voices from the Arctic and Polar Regions	Agrobiodiversity (8:45-10:15 am)	
			Coffee Break (Powerhouse)	
10:30	Coffee Break	Coffee Break	Mapping Biological and Cultural Diversity (10:45 am-12:15 pm)	
11:00	Endangered Languages and Traditional Ecological Knowledge, Part II	Indigenous Peoples and Climate Change, Part II: Focus on Health and Livelihoods		
12:15	Lunch Break	Lunch Break	Lunch Break	
2:00	The Role of Social Scientists in Critical Civic Issues, Part I	Maintaining and Recovering Eco-Cultural Health: Challenges and Opportunities, Part I	The Meaning and Value of Nature to Human Culture: Ethical Considerations	
3:30	Coffee Break	Coffee Break	Coffee Break	
4:00	The Role of Social Scientists in Critical Civic Issues, Part II	Maintaining and Recovering Eco-Cultural Health: Challenges and Opportunities, Part II	Community-based Ecotourism and Biocultural Diversity	

**SESSION III**

8:30 am **“VOICES FROM AROUND THE WORLD” PRESENTATION**

**Introduction by Michael J. Foster**, *Biodiversity Specialist, Enhancing Diversity in Conservation Science Initiative, Center for Biodiversity and Conservation, American Museum of Natural History*

**SESSION IV**

**SUSTAINING CULTURAL AND BIOLOGICAL DIVERSITY:  
CONCURRENT PANEL DISCUSSIONS**

8:45-10:30 am  
(Kaufmann Theater,  
first floor)

**ENDANGERED LANGUAGES AND TRADITIONAL ECOLOGICAL KNOWLEDGE  
(PART I)**

■ **CHAIR:**

**Margaret Florey**, *Senior Lecturer, Linguistics Program, School of Languages, Cultures and Linguistics, Monash University, Victoria, Australia*

■ **PANELISTS:**

**Nigel Crawhall**, *Director of Secretariat, Indigenous Peoples of Africa Coordinating Committee (IPACC), Cape Town, South Africa*

**Murray Garde**, *Australian Research Council Linkage Postdoctoral Fellow, School of Languages and Linguistics, University of Melbourne, Australia*

**Yih-Ren Lin**, *Director of Research Centre for Austronesian Peoples, and Assistant Professor, Department of Ecology, Providence University, Taichung, Taiwan*

**Peter Whiteley**, *Curator, Department of Anthropology, American Museum of Natural History*

**Stanford Zent**, *Center for Anthropology, Venezuelan Institute for Scientific Research, Caracas, Venezuela*

8:45–10:30 am  
(Linder Theater,  
first floor)

## INDIGENOUS PEOPLES AND CLIMATE CHANGE (PART I): VOICES FROM THE ARCTIC AND POLAR REGIONS

### ■ CHAIRS:

**Nora Bynum**, *Project Director, Network of Conservation Educators and Practitioners, and Associate Director for Capacity Development, Center for Biodiversity and Conservation, American Museum of Natural History, and*

**Elizabeth Johnson**, *Metropolitan Program Manager, Center for Biodiversity and Conservation, American Museum of Natural History*

### ■ PANELISTS:

**Cynthia Rosenzweig**, *NASA Goddard Institute for Space Studies, New York, New York, US*

**Chief Clarence Alexander**, *Chairman, Yukon River Inter-Tribal Watershed Council, Fort Yukon, Alaska, US*

**Violet Ford**, *Executive Council Member and Vice President, International Affairs, Inuit Circumpolar Council, Canada (invited)*

**Tero Mustonen**, *The Snowchange Cooperative, Finland*

**Chie “Siqiniq” Sakakibara**, *Lecturer, Native American Studies, University of Oklahoma, Norman, Oklahoma, US*

**Vyacheslav Shadrin**, *Head, Yukaghir Elders Council*

**Jon Waterhouse**, *Director, Yukon River Inter-Tribal Watershed Council, Fairbanks, Alaska, US*

8:45–10:15 am  
(Leonhardt  
People Center,  
second floor)

## AGROBIODIVERSITY

### ■ CHAIR:

**Christine Padoch**, *Matthew Calbraith Perry Curator of Economic Botany, Institute of Economic Botany, International Plant Science Center, The New York Botanical Garden, Bronx, New York, US*

### ■ PANELISTS:

**Steven Brush**, *Professor, Human and Community Development, University of California, Davis, Davis, California, US*

**Sophie Caillon**, *Muséum National d’Histoire Naturelle, Paris, France*

**Dominique Louette**, *National Council on the Environment, Ministry of the Environment, Brazil*

**Gary Paul Nabhan**, *Founder, Renewing Americas Food Traditions, Southwest Center, University of Arizona, Tucson, Arizona, US*

**Miguel Pinedo-Vázquez**, *Associate Research Scientist, Department of Anthropology, Columbia University, New York, New York, US*

## C O F F E E B R E A K (Powerhouse, second floor)

10:15 am–4:00 pm  
(Powerhouse,  
second floor)

## OPEN UBUNTU SESSION

*Ubuntu sessions will provide a time and place for individuals and groups to come together informally and organically to discuss issues, exchange views, and forge partnerships and alliances.*

10:45 am–12:15 pm  
(Leonhardt  
People Center,  
second floor)

## MAPPING BIOLOGICAL AND CULTURAL DIVERSITY

### ■ CHAIR:

**John Richard Stepp**, *Associate Professor of Anthropology and Latin American Studies, University of Florida, Gainesville, Florida, US*

### ■ PANELISTS:

**Larry Gorenflo**, *Conservation International, Washington, DC, US*

**Philip Hogan**, *Central Coast Planning Analyst, Ecotrust Canada, Vancouver, British Columbia, Canada*

**Nitin Rai**, *Ashoka Trust for Research in Ecology and the Environment, Bangalore, India*

**Sheri Tatsch**, *Native American Studies, UC Davis, Davis, California, US*

11:00 am–12:15 pm  
(Kaufmann Theater,  
first floor)

## ENDANGERED LANGUAGES AND TRADITIONAL ECOLOGICAL KNOWLEDGE (PART II)

### ■ CHAIR:

**Margaret Florey**, *Senior Lecturer, Linguistics Program, School of Languages, Cultures and Linguistics, Monash University, Victoria, Australia*

### ■ PANELISTS:

**Nigel Crawhall**, *Director of Secretariat, Indigenous Peoples of Africa Coordinating Committee (IPACC), Cape Town, South Africa*

**Murray Garde**, *Australian Research Council Linkage Postdoctoral Fellow, School of Languages and Linguistics, University of Melbourne, Australia*

**Yih-Ren Lin**, *Director of Research Centre for Austronesian Peoples, and Assistant Professor, Department of Ecology, Providence University, Taichung, Taiwan*

**Peter Whiteley**, *Curator, Department of Anthropology, American Museum of Natural History, New York, US*

**Stanford Zent**, *Center for Anthropology, Venezuelan Institute for Scientific Research, Caracas, Venezuela*

11:00 am-12:15 pm  
(Linder Theater,  
first floor)

**INDIGENOUS PEOPLES, CLIMATE CHANGE, AND BIODIVERSITY (PART II):  
FOCUS ON HEALTH AND LIVELIHOODS**

■ CHAIRS:

**Nora Bynum**, *Project Director, Network of Conservation Educators and Practitioners, and Associate Director for Capacity Development, Center for Biodiversity and Conservation, American Museum of Natural History*, and

**Elizabeth Johnson**, *Metropolitan Program Manager, Center for Biodiversity and Conservation, American Museum of Natural History*

■ PANELISTS:

**Ursula King**, *Climate Change Research Centre, University of New South Wales, Australia*

**Noel Oetlé**, *Environmental Monitoring Group, Nieuwoudtville, South Africa*

**Cynthia Rosenzweig**, *NASA Goddard Institute for Space Studies, New York, New York, US*

**Ellen Wiegandt**, *Graduate Institute of International and Development Studies, Geneva, Switzerland*

12:15-2:00 pm  
(Powerhouse,  
second floor)

**LUNCH BREAK AND OPEN UBUNTU SESSION**

*Ubuntu sessions will provide a time and place for individuals and groups to come together informally and organically to discuss issues, exchange views, and forge partnerships and alliances.*

2:00-3:30 pm  
(Kaufmann Theater,  
first floor)

**THE ROLE OF SOCIAL SCIENTISTS IN CRITICAL CIVIC ISSUES (PART I)**

■ CHAIRS:

**Alaka Wali**, *Nuveen Curator in Anthropology and Director, Center for Cultural Understanding and Change, The Field Museum, Chicago, Illinois, US*, and

**Eleanor J. Sterling**, *Director, Center for Biodiversity and Conservation, American Museum of Natural History*

■ PANELISTS:

**James Igoe**, *Assistant Professor, Department of Anthropology, University of Colorado at Denver, Denver, Colorado, US*

**Michael Mascia**, *Senior Social Scientist, World Wildlife Fund, Washington, DC, US*

**Dipak Pant**, *Professor, Interdisciplinary Unit for Sustainable Economy, Universita Carlo Cataneo, Italy*

**Laura Rival**, *University Lecturer in Ecological Anthropology and Development, School of Social Anthropology, Oxford University, Oxford, UK*

**Sian Sullivan**, *Lecturer in Environment and Development, School of Development, University of East Anglia, UK*

**Rosita Worl**, *President, Sealaska Heritage Institute, Juneau, Alaska, US*

2:00-3:30 pm  
(Linder Theater,  
first floor)

**MAINTAINING AND RECOVERING ECO-CULTURAL HEALTH: CHALLENGES AND OPPORTUNITIES (PART I)**

■ CHAIR:

**David Rapport**, *Principal, EcoHealth Consulting, Canada*

■ PANELISTS:

**Glenn Albrecht**, *Associate Professor, Environmental Studies, Discipline of Geography and Environmental Studies, School of Environmental and Life Sciences, University of Newcastle, Australia*

**Alphonse Kambu**, *Director, Ishikawa International Cooperation Research Centre, United Nations University, Kanazawa, Japan*

**Scott Kekuewa Kikiloi**, *Cultural Assets Manager, Kamehameha Schools, Honolulu, Hawai'i, US*

**Victoria Lee**, *Community Medicine Program, University of Toronto, Toronto, Canada*

**Luisa Maffi**, *Director, Terralingua, Canada*

**Ashbindu Singh**, *Regional Coordinator, UNEP Division of Early Warning and Assessment-North America, Washington, DC, US*

**Amber Nāmaka Whitehead**, *Ecologist, Kamehameha Schools, Honolulu, Hawai'i, US*

2:00-3:30 pm  
(Leonhardt  
People Center,  
second floor)

**THE MEANING AND VALUE OF NATURE TO HUMAN CULTURES:  
ETHICAL CONSIDERATIONS**

■ CHAIRS:

**Strachan Donnelley**, *President, Center for Humans and Nature, New York, New York, US*

**Brendan Mackey**, *Professor, Fenner School of Environment and Society, The Australian National University, Canberra, Australia*

■ PANELISTS organized by chairs

2:00-4:00 pm  
(Powerhouse,  
second floor)

**OPEN UBUNTU SESSION** (Powerhouse, second floor)

*Ubuntu sessions will provide a time and place for individuals and groups to come together informally and organically to discuss issues, exchange views, and forge partnerships and alliances.*



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3:30 pm C O F F E E B R E A K (Powerhouse, second floor)

4:00-5:30 pm **THE ROLE OF SOCIAL SCIENTISTS IN CRITICAL CIVIC ISSUES (PART II)**  
(Kaufmann Theater,  
first floor)

■ C H A I R S :

**Alaka Wali**, *Nuveen Curator in Anthropology and Director, Center for Cultural Understanding and Change, The Field Museum, Chicago, Illinois, US, and*

**Eleanor J. Sterling**, *Director, Center for Biodiversity and Conservation, American Museum of Natural History*

■ P A N E L I S T S :

**James Igoe**, *Assistant Professor, Department of Anthropology, University of Colorado at Denver, Denver, Colorado, US*

**Michael Mascia**, *Senior Social Scientist, World Wildlife Fund, Washington, DC, US*

**Dipak Pant**, *Professor, Interdisciplinary Unit for Sustainable Economy, Universita Carlo Cataneo, Italy*

**Laura Rival**, *University Lecturer in Ecological Anthropology and Development, School of Social Anthropology, Oxford University, Oxford, UK*

**Sian Sullivan**, *Lecturer in Environment and Development, School of Development, University of East Anglia, UK*

**Rosita Worl**, *President, Sealaska Heritage Institute, Juneau, Alaska, US*

4:00-5:30 pm **MAINTAINING AND RECOVERING ECO-CULTURAL HEALTH: CHALLENGES AND OPPORTUNITIES (PART II)**  
(Linder Theater,  
first floor)

■ C H A I R :

**David Rapport**, *Principal, EcoHealth Consulting, Canada*

■ P A N E L I S T S :

**Glenn Albrecht**, *Associate Professor, Environmental Studies, Discipline of Geography and Environmental Studies, School of Environmental and Life Sciences, University of Newcastle, Australia*

**Alphonse Kambu**, *Director, Ishikawa International Cooperation Research Centre, United Nations University, Kanazawa, Japan*

**Scott Kekuewa Kikiloi**, *Cultural Assets Manager, Kamehameha Schools, Honolulu, Hawai'i, US*

**Victoria Lee**, *Community Medicine Program, University of Toronto, Toronto, Canada*

**Luisa Maffi**, *Director, Terralingua, Canada*

**Ashbindu Singh**, *Regional Coordinator, UNEP Division of Early Warning and Assessment-North America, Washington, DC, US*

**Amber Nāmaka Whitehead**, *Ecologist, Kamehameha Schools, Honolulu, Hawai'i, US*

4:00-5:30 pm **COMMUNITY-BASED ECOTOURISM AND BIOCULTURAL DIVERSITY**  
(Leonhardt  
People Center,  
second floor)

■ C H A I R :

**Jeanine Pfeiffer**, *Program Director for Social Science, Earthwatch Institute, Maynard, Massachusetts, US*

■ P A N E L I S T S organized by chair

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**THE 2008 MACK LIPKIN MAN AND NATURE SERIES**

5:30-7:00 pm **POSTER SESSION AND RECEPTION**  
(Powerhouse,  
second floor)

7:00-8:30 pm **THE CULTURE OF NATURE, THE NATURE OF CHANGE**  
(LeFrak Theater,  
first floor)

**Kamal S. Bawa**, *Distinguished Professor of Biology, University of Massachusetts, Boston, US, and Ashoka Trust for Research in Ecology and the Environment, India*

**Julie Burstein** (*Moderator*), *Public Radio International and WNYC Radio, New York, New York, US*

**Kewulay Kamara**, *Professor African-American Studies, John Jay College of Criminal Justice City, University of New York, New York, New York, US*

**Chie "Siqiniq" Sakakibara**, *Lecturer, Native American Studies, University of Oklahoma, Norman, Oklahoma, US*

**Luci Tapahonso**, *Navajo Poet and Professor of American Indian Studies and English, University of Arizona, Tucson, Arizona, US*

**Sarah Weiss**, *Assistant Professor, Department of Music, Yale University, New Haven, Connecticut, US*

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**SESSION V**

**SUSTAINING CULTURAL AND BIOLOGICAL DIVERSITY: POLICY APPLICATIONS AND OUTPUTS**

8:45 am  
(Kaufmann Theater,  
first floor)

**INTRODUCTION**

**Eleanor J. Sterling**, *Director, Center for Biodiversity and Conservation, American Museum of Natural History*

**COMPLEX CHALLENGES OF LINKING ACROSS SCALE FROM GLOBAL TO LOCAL AND VICE VERSA**

**Myanna Lahsen**, *Research Scientist, University of Colorado's Center for Science and Technology Policy Research and Science Officer for Social Sciences for the Brazilian Regional Office of the International Geosphere-Biosphere Programme (IGBP), São Jose dos Campos, Brazil*

**David Boseto**, *Community Engagement Officer, Solomon Islands Community Conservation Partnership, Solomon Islands*

**Kenneth Iain MacDonald**, *Department of Geography, Program in International Development Studies, Centre for Diaspora and Transnational Studies, University of Toronto, Canada*

**Paige West**, *Assistant Professor, Department of Anthropology, Barnard College, Columbia University, New York, New York, US*

**PRESENTATION AND DISCUSSION OF CONFERENCE RECOMMENDATIONS**

**RECOMMENDATIONS AND RESOLUTIONS FOR THE WORLD CONSERVATION CONGRESS (WCC)**

**Kenneth Iain MacDonald**, *Department of Geography, Program in International Development Studies, Centre for Diaspora and Transnational Studies, University of Toronto, Canada*

**LINKAGES TO 2008 UN PERMANENT FORUM FOR INDIGENOUS ISSUES (UNPFII)**

**Tonya Gonnella Frichner** (*Onondaga Nation*), *North American Regional Representative to the United Nations Permanent Forum on Indigenous Issues, New York, New York, US*

**RECOMMENDATIONS AND RESOLUTIONS FOR THE CONVENTION ON BIOLOGICAL DIVERSITY (CBD)**

**Preston Hardison**, *Tulalip Tribes, Washington State, US*

10:40 am **C O F F E E B R E A K** (Powerhouse, second floor)

11:10 am **FORGING ALLIANCES**

■ **CHAIR:**

**Terence Turner**, *Professor of Anthropology (Retired), Cornell University, Ithaca, New York, US*

■ **PANELISTS:**

**Sulemana Abudulai**, *Anthropologist/Land Economists, Advisor, African Biodiversity Network, Ghana*

**Mary Allegretti**, *Anthropologist and Independent Consultant/Researcher, Curitiba, Brazil*

**Robert Bino**, *Ph.D. Candidate, Research School of Pacific and Asian Studies, Australian National University, Canberra, Australia*

**Nigel Crawhall**, *Director of Secretariat, Indigenous Peoples of Africa Coordinating Committee (IPACC), Cape Town, South Africa*

**Frank Ettawageshik**, *Tribal Chairman, Little Traverse Bay Bands of Odawa Indians (invited)*

12:15 pm **L U N C H B R E A K**

2:00 pm **FUNDING OPPORTUNITIES FOR SUSTAINING BIOLOGICAL AND CULTURAL DIVERSITY**

■ **CHAIR:**

**Ken Wilson**, *Executive Director, The Christensen Fund*

■ **PANELISTS:**

**Evelyn Arce-White**, *Executive Director, International Funders for Indigenous Peoples, Akwesasne, New York, US*

**Jeffrey Campbell**, *Senior Program Officer, Environment & Development, Ford Foundation, New York, New York, US*

**Terry Garcia**, *Executive Vice President, Missions Programs, National Geographic Society, Washington DC, US (invited)*

**Brent Haglund**, *President, Sand County Foundation, Monona, Wisconsin, US*

**Terence Hay-Edie**, *Program Officer, Small Grants Programme, UNDP-GEF*

**Anne Henshaw**, *Marine Program Officer for North America, Oak Foundation, Portland, Maine, US*

**Anna Kerttula**, *Program Director, Arctic Social Sciences, Office of Polar Programs, National Science Foundation, Washington DC, US*

**Dana Lanza**, *Executive Director, Environmental Grantmakers Association, New York, New York, US*

**Josh Mailman**, *Founder, Mailman Foundation, New York, New York, US*

**James Stauch**, *Programme Manager, Walter and Duncan Gordon Foundation, Toronto, Canada*

**Rhea Suh**, *Program Officer, Conservation & Science, David & Lucile Packard Foundation, Los Altos, California, US*

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- 3:30 pm **C O F F E E B R E A K** (Powerhouse, second floor)
- 4:00 pm **SUMMARY PANEL DISCUSSION**
- **C H A I R :**  
**Kent Redford**, *Director, Wildlife Conservation Society Institute and Vice President, Conservation Strategy, Wildlife Conservation Society, Bronx, New York, US*
- **P A N E L I S T S :**  
**Eve Crowley**, *Food and Agriculture Organization of the United Nations (FAO), Rome, Italy*  
**Gustavo Fonseca**, *Head, Natural Resources Section, Global Environment Facility, Washington, DC, US*  
**Aroha Te Pareake Mead**, *Senior Lecturer in Maori Business, Victoria University of Wellington, and Senior Research Fellow, Centre of Environmental Law, Macquarie University, Sydney, Australia*  
**Rochelle Roca Hachem**, *Programme Specialist for Culture, UNESCO, New York, New York, US*
- 5:30 pm **CLOSING REMARKS**

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**DAY FOUR** Saturday, April 5

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- 1:00-5:00 pm **CULTURAL AND BIOLOGICAL DIVERSITY: PUBLIC PROGRAMS**  
Kaufmann and Linder Theaters, first floor  
Leonhardt People Center, second floor  
Experience the vital link between humanity and the natural world through verbal arts, live music and dance, a drum workshop, and films. Informal conversations follow each event.  
Free to all Conference Attendees (your conference badge will admit you at no charge)  
Free to the Public with Museum admission
- 1:00 pm **PERFORMANCE: MANSÀ MILI MILI: MEMORIES OF A SACRED GROVE (SIERRA LEONE)**  
Kaufmann Theater, first floor  
Poet **Kewulay Kamara** and Mande *jali* musicians present Mansa Mili Mili, illustrating a sustainable balance among the plant, animal, and human worlds in the Kuranko village of Dankawali, Sierra Leone. With narration in English and Kuranko, accompanied by traditional music.
- 2:15 pm **PERFORMANCE: THREADS OF LANGUAGE (CHILE)**  
Linder Theater, first floor  
**Cecilia Vicuña** weaves indigenous poetic traditions of South America with Spanish and English, highlighting connections among language, the Earth, and water through playful improvisations and chants.
- 3:00 pm **PERFORMANCE: RISING SUN: A VODOU DRAMA OF REBIRTH (HAITI)**  
Kaufmann Theater, first floor  
Vodou, the Haitian version of an African-based religion with Catholic elements, serves several spirits of nature, including Azaka Mede, who represents Earth, and Lasirèn, Lady of the Sea. Through drumming, song, and dance, **La Troupe Makandal** dramatizes the tale of the trickster who can turn death into life, reversing Haiti's environmental losses.
- 4:15 pm **FILM: SACRED LANDS OF THE ALTAI (ALTAI REPUBLIC)**  
Linder Theater, first floor  
Documentary short: *The Golden Mountains of Altai*  
Producer: Sacred Land Film Project; Director: Christopher McLeod, 10 minutes, 2008.  
Following a short documentary on the sacred sites and peoples of the Altai region in Russia, **Chagat Almashev**, Director of the Foundation for Sustainable Development of Altai, shares stories about environmental conservation and cultural preservation.
- 5:00 pm Programming ends.

## The Center for Biodiversity and Conservation

In 1993, the American Museum of Natural History created the Center for Biodiversity and Conservation (CBC) to enhance the use of scientific data to mitigate threats to biodiversity. The CBC develops strategic partnerships to expand scientific knowledge about diverse species in critical ecosystems, and to apply this knowledge to conservation; builds professional and institutional capacities for biodiversity conservation; and heightens public understanding and stewardship for biodiversity. Working both locally and around the world, the CBC develops model programs that integrate research, education, and outreach so that people — a key factor in the rapid loss of biodiversity — will become participants in its conservation.

The CBC's programs focus on areas of the world where biodiversity is richest and most threatened, as well as on taxa that have traditionally been neglected in the conservation process, such as invertebrates. Raising awareness and promoting conservation action are also CBC imperatives, and through symposia, workshops, and publications we help to inform the public about biodiversity issues. To make the complex political and economic decisions necessary for the protection of global biological resources, people must have the scientific tools to identify and understand the mechanisms behind the threats to biodiversity. The CBC's role is to equip the world community to use these tools effectively.  
<http://cbc.amnh.org/>

### CENTER FOR BIODIVERSITY AND CONSERVATION ADVISORY COUNCIL

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## IUCN Theme on Culture and Conservation

The IUCN Theme on Culture and Conservation (TCC), was set up in 2004 by the Commission on Environmental, Economic, and Social Policy (CEESP). It emerged in response to resolutions put forward at the 2004 World Conservation Congress. The Theme recognizes the importance of culture in environmental conservation and aims to promote a greater awareness of these relations within IUCN and the broader "conservation community." It also seeks to promote and support field-based activities investigating the contextual relations between culture and conservation; to draw lessons and methodological insight from that work; to support the development of international policies (e.g., CBD) sensitive to the cultural dimensions of conservation; and to encourage the programmes and structures of IUCN and the broader "conservation community" to adopt a complex view of culture, devote resources to understanding the cultural bases of conservation practice, and incorporate such understanding in conservation policy and practice. <http://www.iucn.org/themes/ceesp/>



### Terralingua

Terralingua is an international NGO funded in 1996, whose mission is to support the integrated protection, maintenance, and restoration of the biocultural diversity of life — the world's biological, cultural, and linguistic diversity — through an innovative program of research, education, policy recommendations, and on-the-ground projects. Terralingua works with other international organizations, academic institutions, museums, and the general public to promote better understanding and appreciation of diversity in nature, culture, and language and to foster action to sustain our biocultural heritage. [www.terralingua.org/](http://www.terralingua.org/)



### Wenner-Gren

The Wenner-Gren Foundation for Anthropological Research, Inc. was created and endowed in 1941 as The Viking Fund, Inc. by Axel Wenner-Gren. The Foundation's mission is to advance significant and innovative basic research about humanity's cultural and biological origins, development, and variation and to foster the creation of an international community of research scholars in anthropology. The Foundation fulfills its mission through a variety of grant programs that support individual research, collaborative research, training, and conferences/workshops as well as the preservation of anthropological archives. For more information, please visit <http://www.wennergren.org/>



### The Christensen Fund

The Christensen Fund is a private independent foundation, founded in 1957, that believes in the power of biological and cultural diversity to sustain and enrich a world faced with great change and uncertainty. Its mission is to buttress the efforts of people and institutions who believe in a bio-diverse world infused with artistic expression, and who work to secure ways of life and landscapes that are beautiful, bountiful, and resilient. The Fund pursues this mission through place-based work in regions chosen for their potential to withstand and recover from the global erosion of diversity. It focuses on backing the efforts of locally-recognized community custodians of this heritage, and their alliances with scholars, artists, advocates and others. It also funds international efforts to build global understanding of these issues. The Fund works primarily through grant making, as well as through capacity and network building, knowledge generation, collaboration and mission-related investments; seeking out imaginative, thoughtful and occasionally odd partners to learn with. <http://www.christensenfund.org/>

