



XVIIIth International Conference of the
Society for Human Ecology

*Human Responsibility & Environmental Change:
Planning, Process, and Policy*



Lake Las Vegas, Nevada, USA – April 20-23, 2011

CONFERENCE NOTES

Roundtable Discussions

The program includes a series of roundtable discussions on topics suggested by conference participants. They are designed to provide an open forum in which people can come together to raise questions, exchange ideas, and discuss issues. A few participants' names appear under each roundtable theme in the program. These are individuals who expressed an interest in roundtable participation or whose interests coincide with the topic. We hope they will begin the discussion, draw in others, and help to see that the discussions are fruitful.

Chairing of Symposia/Paper Sessions

The scheduling of sessions is very tight. All session chairs are urged to begin on time and to monitor presentations and discussion carefully. Please try to end sessions five minutes before the starting time for the next session — to allow for re-seating and audio-visual set-up. It is critical that symposia and paper sessions do not run into the next period!

Audio/Visual Support

The MonteLago conference rooms are equipped with LCD projectors and screens. Unfortunately, they are unable to supply computers. A few laptop computers will be available at the registration desk. But, anyone wishing to use PowerPoint is encouraged to bring their own personal computer – or a copy of their presentation on a USB memory stick or thumb drive. Email addresses for presenters in each session have been sent so that they may coordinate among themselves in advance.

Local Travel and Dining

Why Las Vegas? We chose Las Vegas as the venue for this conference for several reasons. Many members are interested in the sustainability and viability of metropolitan regions with scarce resources. Las Vegas is the poster child for overuse and poor resource management. Or is it? We will have speakers who will address resources use and scarcity in arid environments using the Las Vegas region as a prime example of what to do and what not to do. Also there were some practical advantages. Las Vegas is easy to fly into and the conference rates in Las Vegas are very reasonable – both these things allow us to reduce your costs.

The MonteLago Village Resort is one of the most unique resorts in the Las Vegas area. On Lake Las Vegas, 17 miles from the Las Vegas Strip, the MonteLago Village was designed to recreate the feel of a small Mediterranean town. There are several restaurants within a short walk for the resort accommodations where you can find a wide range of dining options.

While staying at the village, there is a complementary strip shuttle that runs 3 times a day to drop off and 3 times picking up. It drops off at Planet Hollywood at 10am, 1pm and 5 pm and picks up at the same place at 1:45pm, 5:45pm, and 10:45pm. There are only 14 seats available and you will need to make reservations with the Front Desk ahead of time.

Sponsors

The board and members of the Society for Human Ecology gratefully acknowledge the support and cooperation of:

College of the Atlantic
Northern Arizona University
German Society for Human Ecology (DGH)
Commonwealth Human Ecology Council (CHEC)

Human Responsibility & Environmental Change: Planning, Process, and Policy

The XVIIIth International Conference of the Society for Human Ecology

Program Overview

Wednesday, April 20

- 3:00 – 7:00** **Registration**
- 5:00 – 6:30** **Opening Reception** Riva di Lago Events Center
- 6:30 – 7:30** **Announcements and Welcoming Events** Riva di Lago Events Center
- Keynote Address:** Ian Douglas, University of Manchester, UK/President SHE
Water and Cities: Their Uncertain Future Human Ecology
- Introduction:** Eva Ekehorn, Commonwealth Human Ecology Council/Past-President SHE
- 7:30** **Dinner Groups** (MonteLago Village and Las Vegas Strip)

Thursday, April 21

- 8:00 – 9:30** **Concurrent Sessions**
- Ecocities: Guidelines and Best Practices: An International Assessment (Villaggio II)*
Perceptual Lenses for Visioning the Environment (Villaggio I)
Biodiversity and Managing Ecosystems (Banchetta)
Government and Institutional Response to Ecological Problems (Festa)
- 9:30 - 10:00** **Coffee Break**
- 10:00 - 10:50** **Keynote Address:** F. Stuart (Terry) Chapin III, President, Ecological Society of America (ESA)/University of Alaska
Earth Stewardship: Sustainability Strategies for a Rapidly Changing Planet
Riva di Lago Events Center
- 11:00 - 12:30** **Concurrent Sessions**
- Roundtable on Earth Stewardship, and Follow-up Discussion with Terry Chapin (Riva di Lago Events Center)*
Ecocities: Guidelines and Best Practices: An International Assessment (Villaggio II)
Resource Planning: Creative Solutions (Festa)
It's Often a Question of Values (Banchetta)
- 12:30 – 1:30** **Lunch – Box lunches provided in front of the Riva di Lago Events Center**
- 1:30 – 3:30** **Keynote Speakers: Riva di Lago Events Center**
- Terrance (Terry) Fulp, Deputy Regional Director of the Bureau of Reclamation's Lower Colorado Region
Managing Colorado River Reservoirs in a Changing Climate
- Barb Brents, Sociologist, University of Nevada - Las Vegas
Globalization and the State of Sex: Tourism and Nevada's Legal Brothels
- Rob Mrowka, Conservation Advocate with the Center for Biological Diversity
Growth and Insanity - A Las Vegas Story
- 3:30 – 4:00** **Coffee Break**

- 4:00 – 5:30** **Concurrent Sessions**
- Ecocities: Guidelines and Best Practices: An International Assessment (Villaggio II)*
Forest Resources (Villaggio I)
Business Within The Human Ecological Framework (Banchetta)
Food Systems – Food Security (Festa)
- 5:30 – 6:30** **Reception (cash bar) and Open Poster Session (Riva di Lago Events Center)**
- 6:30** **Dinner Parties (MonteLago Village or Las Vegas Strip)**

Friday, April 22

- 8:00 – 9:30** **Concurrent Sessions**
- Ecocities: Guidelines and Best Practices: An International Assessment (Villaggio II)*
Factors Influencing Conservation Behavior (Banchetta)
Climate Change and its Impacts on the Environment (Villaggio I)
Health, Environment and the Future (Festa)
- 9:30 - 10:00** **Coffee break**
- 10:00 – 10:50** **Keynote Address:** Kirk Emerson, Founding Director of the U.S. Institute for Environmental Conflict Resolution at the Morris K. Udall Foundation
“Cross-boundary Governance for Climate Change”
 Riva di Lago Events Center
- 11:00 – 12:30** **Concurrent Sessions**
- International Perspectives in Environmental Psychology (Villaggio I)*
Resilient Roads to Management (Banchetta)
Redemptive Consumption: Can We Save The World Through Consumer Choice? (Festa)
Teaching and Learning Natural History in the Field (Villaggio II)
- 12:30 – 1:00** **Lunch – Box Lunches provided in front of the Riva di Lago Events Center**
- 1:00 – 2:00** **Keynote Address:** Dennis Pirages
 Professor of Political Science at University of Nevada, Las Vegas
“From Limits to Growth to Ecological Security: The Evolution of Environmental Thinking”
 Riva di Lago Events Center
- 2:00 – 3:30** **Concurrent Sessions**
- Environmental Values And Action (Banchetta)*
Social, Psychological And Institutional Roadblocks To Sustainability (Villaggio II)
Human Ecology and Education (Villaggio I)
Water Management: Local Control (Festa)
- 3:30 – 4:00** **Coffee Break**
- 4:00 – 5:30** **Concurrent Sessions**
- Mind and Nature (Banchetta)*
Water Management: Issues and Tools (Villaggio II)
Healthy Families and Communities (Villaggio I)

- 5:30 – 6:15** **Keynote Address:** Stephanie Mills, Author and Lecturer on Bioregionalism and Ecological Restoration
"From the Pleistocene to the Motor City: Revolutions in Human Ecology"
Riva di Lago Events Center
- 6:30** **Dinner Parties (MonteLago Village or Las Vegas Strip)**

Saturday, April 23

- 8:00 – 9:30** **Concurrent Sessions**
- Alaska Native Corporations and Sustainable Livelihoods (Villaggio II)*
Corporate Management and Behavior (Banchetta)
Environment and Education (Villaggio I)
Energy: Policy and Management (Festa)
- 9:30 – 10:00** **Coffee Break**
- 10:00 – 11:30** **Concurrent Sessions**
- Sustainability: Perceptions (Banchetta)*
Roundtable Discussion: New Directions in Human Ecology Education (Villaggio I)
Energy: Domestic Uses (Festa)
Theoretical Approaches to Understanding the Environment (Villaggio II)
- 11:30 – 12:00** **Lunch – Box Lunches provided in front of the Riva di Lago Events Center**
- 12:00 – 1:30** **Concurrent Sessions**
- Community Based Decision Making (Villaggio II)*
Perception, Ecology, and Management (Banchetta)
Contributed Papers (Festa)
- 1:30 – 2:30** **Closing Events/ SHE Business Meeting** **Riva di Lago Events Center**
- 2:30** **Field trips – Hoover Dam, Red Rock Canyon National Conservation Area**

Keynote Speakers



Ian Douglas, President of the Society for Human Ecology, President of the International Council on Ecopolis Development (INTECOPOLIS) and Chairman of the UK UNESCO Man Biosphere Urban Forum (UK MAB Urban Forum)
"Water and Cities: Their Uncertain Future Human Ecology"

Ian Douglas is an Emeritus Professor of the School of Environment and Development, University of Manchester and previously was Professor of Physical Geography at Manchester and Professor of Geography at the University of New England, Australia. He has passionate research interests in the dynamics of tropical rainforests, especially the disturbance caused by logging, and in urban environments. Much of his research has been conducted in Malaysian Borneo, with wide connections throughout S.E. Asia and China. He has recently been the lead editor of a "Handbook of Urban Ecology" for the UK MAB Urban Forum.



F. Stuart (Terry) Chapin III – President, Ecological Society of America (ESA)/University of Alaska
"Earth Stewardship: Sustainability Strategies for a Rapidly Changing Planet"

Terry Chapin is a Professor of Ecology in the Department of Biology and Wildlife at the University of Alaska Fairbanks, where he joined the faculty in 1973. He was recently elected president of the Ecological Society of America (ESA) – the world's largest professional organization of ecologists – representing some 10,000 scientists in the United States and around the globe. Most of his research is about the effects of changes in climate and wildfire on Alaskan ecology and rural communities. He is especially interested in ways that communities and agencies can develop options that increase sustainability of ecosystems and human communities over the long term in spite of rapid climatic and social changes. Through his research, he tries to determine how climate, ecology, and subsistence resources are likely to change in the future. This information should enable people to make more informed choices about options for long-term sustainability. Terry teaches classes at the university and directs the interdisciplinary (IGERT) program in Resilience and Adaptation. Earth stewardship is an action-oriented framework intended to foster social-ecological sustainability of a rapidly changing planet.



Terrance (Terry) Fulp, Ph.D. – Deputy Regional Director of the Bureau of Reclamation's Lower Colorado Region
"Managing Colorado River Reservoirs in a Changing Climate"

Terrance (Terry) Fulp is Deputy Regional Director of the Bureau of Reclamation's Lower Colorado Region. Headquartered in Boulder City, Nevada, the Lower Colorado Region is responsible for the operation of the Reclamation's water and power facilities on the last 688 miles of the Colorado River, from Lee's Ferry in northern Arizona to the Mexican border. Fulp oversees programs that implement the Secretary of the Interior's water master functions on the lower Colorado River and is also responsible for the Region's water conservation program and the Lower Colorado River Multi-Species Conservation Program, a multi-agency effort to conserve and work towards the recovery of endangered species and protect and maintain wildlife habitat on the lower Colorado River. Fulp holds a Ph.D. in Mathematical and Computer Sciences from the Colorado School of Mines. He has received numerous awards, including the Superior Service Award, one of the Department of the Interior's highest for career employees and was also awarded the Virgil M. Kauffman Gold Medal from the Society of Exploration Geophysicists for outstanding contributions to the advancement of geophysical exploration.



Barb Brents – Sociologist at the University of Nevada, Las Vegas "*Globalization and the State of Sex: Tourism and Nevada's Legal Brothels*"

Barb Brents is an associate professor in the Department of Sociology at the University of Nevada – Las Vegas (UNLV). She is a co-author of *The State of Sex: Tourism, Sex and Sin in the New American Heartland* (Routledge Press, 2010). Brents' research uses a political economy lens to study sex and gender in market culture. Her recent work uses the sex industry as a site to understand the intersections of culture and economics – including the construction of “market morality” in political debates around sexuality; the relation between tourism, consumption and sexuality; the emotional and bodily labor of selling sex; and consuming sex. Brents is a founding member of *Globalization, Sexuality and the City*, an interdisciplinary project and network to encourage the production and dissemination of research on the intersections of sexuality, culture and economics across the globe. She has served on the American Sociological Association's Council for the Political Sociology, the National Board of the American Civil Liberties Union and as President of the Nevada State ACLU.



Rob Mrowka – Conservation Advocate with the Center for Biological Diversity "*Growth and Insanity – A Las Vegas Story*"

Rob Mrowka, Conservation Advocate, works with the Center's Public Lands Program to advocate for the protection and conservation of biological diversity in Nevada. Before joining the Center, Rob was an officer in the U.S. Air Force and had a 28-year career in the U.S. Forest Service, including time spent as the supervisor of Utah's Fishlake National Forest and as a forest ecologist. Most recently, he was the manager of the Clark County, Nevada Environmental Planning Division. Mrowka has a bachelor of science degree in natural resources management from the State University of New York College of Environmental Science and Forestry, as well as a master of science degree in forest ecology from Washington State University.



Kirk Emerson – Founding Director of the U.S. Institute for Environmental Conflict Resolution at the Morris K. Udall Foundation "*Cross-boundary Governance for Climate Change*"

Kirk Emerson has had a longstanding career in environmental conflict resolution and collaborative problem solving, on topics ranging from climate policy and interagency cooperation to border security and wilderness protection. She was the founding Director of the U.S. Institute for Environmental Conflict Resolution at the Morris K. Udall Foundation, and previously, coordinator of the environmental conflict resolution program at The University of Arizona. Emerson is also a Research Associate at the Program for Advancement of Research on Conflict and Collaboration, Maxwell School, Syracuse University. Emerson has written on collaborative governance, environmental conflict resolution, property rights and environmental politics, land use law, and environmental policy. She currently teaches collaborative natural resources management and conflict resolution. She received her B.A. from Princeton University, her Masters in City Planning from MIT, and her Ph.D. in political science and public policy from Indiana University. Emerson is a member of the National Roster of Environmental Dispute Resolution and Consensus Building Professionals and a planner certified by the American Institute of Certified Planners.



Dennis Pirages – Professor of Political Science at University of Nevada, Las Vegas
"From Limits to Growth to Ecological Security: The Evolution of Environmental Thinking"

Dennis Pirages is Professor of Political Science at UNLV. He received his doctorate from Stanford University, and spent 32 years in the Political Science Department at the University of Maryland. He is the author or editor of fourteen books and monographs, including *Global Ecopolitics*, *Ecological Security*, and, most recently, *From Resource Scarcity to Ecological Security*. He has also contributed more than 75 journal articles and book chapters. He has been selected as a Lifetime Fellow of the American Association for the Advancement of Science. In addition to his academic work, Dr. Pirages has served in advisory capacities on energy and resource as well as science and technology issues for both major political parties. He has also served as the academic developer and coordinator of a mid-level professional development program for Foreign Service Officers in the U.S. Department of State. For several years he served on the Board of Directors of the World Future Society.



Stephanie Mills – Author and Lecturer on Bioregionalism and Ecological Restoration
"From the Pleistocene to the Motor City: Revolutions in Human Ecology"

Stephanie Mills is a renowned author and lecturer on bioregionalism, ecological restoration, community economics, and voluntary simplicity. Since her galvanic Mills College commencement address in 1969, Stephanie Mills has been speaking, editing, writing, and organizing for ecology and social change. Her books include *Epicurean Simplicity*, *Tough Little Beauties*, and *On Gandhi's Path: Bob Swann's Work for Peace and Community Economics*. A longtime bioregionalist and veteran of *Whole Earth* and *CoEvolution Quarterly* publications, Mills' scores of essays and articles appeared in publications from *Glamour* to *The Britannica Book of the Year* and numerous anthologies. Active in her community, Mills helped launch a local currency in northwest lower Michigan, her home since 1984. Featured in the PBS documentary *EarthDays*, Mills holds an honorary doctorate from her alma mater and is a Fellow of the Post Carbon Institute. Stephanie has lectured at numerous institutions, including the E.F. Schumacher Society, the Chicago Academy of Sciences, and the Harvard Graduate School of Design.

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Program

Wednesday, April 20

- 3:00 – 7:00** **Registration**
- 5:00 – 6:30** **Opening Reception**, Riva di Lago Events Center
- 6:30 – 7:30** **Opening Remarks:** Zachary Smith, Northern Arizona University/
President-elect SHE
Welcome: Richard Borden, College of the Atlantic/
Executive Director SHE
Keynote Introduction: Eva Ekehorn, Commonwealth Human Ecology
Council/Past-President SHE
Keynote Address: Ian Douglas, University of Manchester, UK/President SHE
Water and Cities: Their Uncertain Future Human Ecology
- 7:30** **Dinner Groups** (MonteLago Village and Las Vegas Strip)

Thursday, April 21

8:00 – 9:30 **Concurrent Sessions**

Ecocities: Guidelines and Best Practices: An International Assessment (Villaggio II)

Carl Belliston, Novatek, Provo, Utah
New Vistas and the Economics of Global Sustainability

Rusong Wang, Chinese Academy of Sciences
Ecopolis Planning and Management: Theoretical Goals and Current Practice in China
Discussion to follow.

Perceptual Lenses for Visioning the Environment (Villaggio I)

Thomas J. Burns, University of Oklahoma
A Critical Look at the Persistence of Anti-Environmental Beliefs

Renuka Gupta, Lady Irwin College, Delhi University
Linking Carbon Footprints of Hindu Religious Ceremonies with Happiness Quotient

Dayal Barua Sraman, Mahamakut Buddhist University
A Buddhist Approach to Ecology

Sanjoy Sarkar, Sudhi Ranjan Lahiri, Mahavidyalaya
Water Pollution is an Emerging Threat to Practicing Religions: A Case Study on Hermitage of Satima

Biodiversity and Managing Ecosystems (Banchetta)

T.I. Khan, University of Rajasthan
Biodiversity In Thar Desert: Current Scenario

Anahit Khudaverdyan, Institute of Archaeology and Ethnography, National Academy of Science
The Ecological Characteristic of Ancient Population Armenian Highlands And Eurasia

Lahcen Taïqui, Université Abdelmalek Essaâdi. Eduardo Seva, Maria Vargas, Universidad de Alicante, and Juan Navarro, MEDYMED, Gestión Medio-Ambiental

Contribution to the Conservation Prospects of Sacred Natural Sites in Southern Part of Mediterranean

J. M. M. Udugama, U. K. Jayasinghe-Mudalige, U. A. D. P. Gunawardena, R. P. L. C. Randeni, R. S. S. Rathnayake and G. Gamage, Wayamba University of Sri Lanka

Who Would Like to Pay More to Conserve the Natural Ecosystems? Assessing the Special Case of Conservation of Wild Rice Relatives of Sri Lanka

Government and Institutional Response to Ecological Problems (Festa)

Kirk Emerson, Tina Nabatchi, and Steve Balogh, The University of Arizona
An Integrative Framework for Collaborative Governance

John Freemuth, Boise State University
Science And Public Land Policy: Exploring the Conflict

Cassidy Gayner, Chapman University
Does the Longevity of the Earth Depend on the Type of Government?

9:30 - 10:00 Coffee Break

10:00 - 10:50 Keynote Address: F. Stuart (Terry) Chapin III, President, Ecological Society of America (ESA)/University of Alaska
Earth Stewardship: Sustainability Strategies for a Rapidly Changing Planet
Riva di Lago Events Center

11:00 - 12:30 Concurrent Sessions

Roundtable on Earth Stewardship...and Follow-up Discussion with Terry Chapin

Rob Dyball, Australian National University, Chair (open to all participants)
(Riva di Lago Events Center)

Ecocities: Guidelines and Best Practices: An International Assessment (Villagio II)

Xiangrong Wang, Fudan University, Shanghai, China and Shixiong Wang, Boston University
Climate Change and Sustainability Strategies for the Human Settlements of Estuaries in the World

Peter Marcotullio, Hunter College - CUNY
Ecopolis and the Adaptation of Cities to Climate Change, with Special Emphasis on the Developing World.

Kirstin Miller, EcoCity Builders, San Francisco
Proposed Standards for Ecocities: The International Eco-city Standards Project

Wu Yegang, E2 Consulting Engineers, Maryville, Tennessee
Eco-region and Eco-polis Planning in Relation to Wetlands and Peri-urban Land Restoration

Resource Planning: Creative Solutions (Festa)

Edward P. Weber, Sara McPherson, School of Environmental and Public Affairs, University of Nevada-Las Vegas
Unleashing the Potential of Collaborative Governance Arrangements: Getting to Robust Durability in the Blackfoot Valley

Mihnea Tanasescu, Vrije Universiteit Brussel/ College of the Atlantic
Nature as Subject: The Problem of Rights

Jacqueline Bort, Sean Todd, Sofie Van Parijs, Peter Stevick and Erin Summers,
College of the Atlantic

*Acoustic Behavior of North Atlantic Right Whales in a Potential Winter Breeding/Feeding Ground:
Implications for Management of Human Activity*

Álvaro de Oliveira D'Antona, Universidade Estadual de Campinas, Brasil

Anthony Cak, National Science Foundation, Arlington, VA

Roberto Donato da Silva Júnior, Universidade Estadual de Campinas, Brasil

*Distant versus Local: Assessing Two Perspectives of Land Use and Land Cover for Sustainability
Assessment of Rural Areas of the Amazon*

It's Often a Question of Values (Banchetta)

Lee Cervený, Rebecca McLain, Diane Besser and Kelly Biedenweg,

Pacific Northwest Research Station

*Understanding Socio-cultural Values and Resource Uses at a Regional Scale: Human Ecology Mapping
on the Olympic Peninsula*

Phillippa Cordwell, University of Western Sydney

Environmental Conservation and Indigenous Values

Shakeel Ahmed Ibne Mahmood, Member, BAPA, Bangladesh & Bangladesh Environmental Society, BES

Air Pollution in Bangladesh: The Role of Public Administration and Governments Integrity

12:30 – 1:30 Lunch – Box lunches provided in front of the Riva di Lago Events Center

1:30 – 3:30 Keynote Speakers: Riva di Lago Events Center

Terrance (Terry) Fulp, Deputy Regional Director of the Bureau of Reclamation's Lower
Colorado Region

Managing Colorado River Reservoirs in a Changing Climate

Barb Brents, Sociologist, University of Nevada - Las Vegas

Globalization and the State of Sex: Tourism and Nevada's Legal Brothels

Rob Mrowka, Conservation Advocate with the Center for Biological Diversity

Growth and Insanity - A Las Vegas Story

3:30 – 4:00 Coffee Break

4:00 – 5:30 Concurrent Sessions

Ecocities: Guidelines and Best Practices: An International Assessment (Villaggio II)

Larry Li, University of California, Riverside

The Complexity of Urban: Peri-urban Relationships in Ecopolis Development

Dave Greenberg, Hainan, China

Top Down, Bottom-up and Sideways Planning for Future Eco-cities

Li Feng, Chinese Academy of Sciences and Visiting Scholar, Stanford University, California

Practical Examples of Eco-city Planning and Ecopolis Development from Huaibei and Ningguo, China

Pierre Laconte, International Society of City and Regional Planners (ISOCARP), Brussels, Belgium

*European Criteria for Assessing Eco-cities and Urban Environmental Achievements
and the Application to Cities such as Louvain-la-Neuve*

Forest Resources (Villaggio I)

A E Assogbadjo and Kakai R. Glele, University of Abomey-Calavi
*Impact of Anthropogenic Pressure on the Population Structure of *Anogeissus Leiocarpa* within Wari-Maró Forest Reserve in Benin (West Africa)*

Alice Brites, São Paulo University
Monitoring the Ecological and Socioeconomic Effects of the Commercialization of Non-timber Forest Products

Lee Cervený, Erin Seekamp and Allie McCreary
Pacific Northwest Research Station
The Changing Structure of Natural Resource Partnerships in the U.S. Forest Service

Business Within The Human Ecological Framework (Banchetta)

Jay Friedlander and Katherine Macko, College of the Atlantic
Teaching Sustainable Business at College of the Atlantic

Karen Martinsen Fleming, Green Mountain College
Building a Sustainable MBA Program

Maria Raquel Catalano de Sousa, Drexel University
Marina Christofidis, Brazilian Planning Ministry
Green Patents: The Brazilian Experience

Rebecca Gabriel, Oxford University
Weighing Commercial Interests Against the Archaeological Record: The Case of Peatlands

Food Systems – Food Security (Festa)

Molly D. Anderson, College of the Atlantic
Sustainable Food Security: Who Has the Solution?

Parto Tehrani-Kronner, Humboldt University
Food Security or Meal Security?

Shashi Kumar and Shashi Saxena, Delhi University
Human Ecological Approaches to Food Security and Safety for Human Eco-System: The Theme - Green Chemistry To Human Biology

5:30 – 6:30 Reception (cash bar) and Open Poster Session (Riva di Lago Events Center)

Lucy Atkins, College of the Atlantic
Connecting Self, Community, and Environment: A Sketch of an Education Center

Irene Amoruso, University of Padua
Model-Based Monitoring of the Holistic Health Status of the Urban Environment System: A Pilot Study In Verona City (Italy)

Alice Brites, São Paulo University
Monitoring The Ecological and Socioeconomic Effects of the Commercialization of Non-Timber Forest Products

Robert Daniels, In-Harmony Foundation
The Arc City and Climate Change

Angee Doerr, University Of California, Davis
A Community-Level Climate Change Vulnerability Assessment for Point Reyes National Seashore Managers

Alejandro Pérez Flores, María Teresa Castillo Burguete
Centro de Investigación y de Estudios Avanzados del Instituto Politécnico Nacional *Perception, Use and Management of Springs and Sinkholes in San Crisanto, Yucatan, Mexico*

Lilián Godoy-Magaña, Natalí Pech-Jiménez, María Teresa Castillo-Burguete, Elda Ancona-Ricalde and Amada Rubio-Herrera, Centro de Investigación y de Estudios Avanzados del Instituto Politécnico Nacional
The Impact of Legal Changes in Land Ownership on Natural Resources Management in Ejidos on the Coast of Yucatan, Mexico

Richard Pender, Lalasia Bialic, Aaron Shiels, Stephen Mosher
University of Hawaii at Manoa
When Planting Is Not Enough. A Case of Active Management of Invasive Rodents for the Restoration of Cyanea Superba Subsp. Superba (Campanulaceae), a Critically Endangered Hawaiian Plant

Julia Rowe, University of Hawaii at Manoa
How Do The Missions of Different Land Management Agencies Affect Conservation of Biological Diversity Across a Tropical Mountain Landscape?

Samvel M. Shahinyan, President of National State Party; Kristine Siradeghyan, Speleological Center of Armenia; Ashkhen S. Shahinyan, Board of the National State Party
“Cave Policies” As Ethno-Cultural Phenomenon in The Historic Past of the Armenian People

6:30 Dinner Parties (MonteLago Village or Las Vegas Strip)

Friday, April 22

8:00 – 9:30 Concurrent Sessions

Ecocities: Guidelines and Best Practices: An International Assessment (Villaggio II)

Richard Register, EcoCity Builders, California
Ecocity Economics – An Economics Built on what We Build

Ian Douglas, University of Manchester, UK; President SHE;
President INTECOPOLIS
Planning for Better Urban Environments in the UK since 1940: Are the Achievements Sustainable?

Wolfgang Serbser, German Society for Human Ecology (DGH)
The Demographic Challenge in Building Sustainable Communities

Discussion on the INTECOPOLIS work programme and publication of the session outcomes

Factors Influencing Conservation Behavior (Banchetta)

Christie Manning, Macalester College
Save the Loons! Reducing the Psychological Distance of Climate Change

Beth Karlin, University of California, Irvine
Dimensions of Conservation: Exploring Differences among Energy Behaviors and their Implications for Intervention

Rae Lyons, University of St. Thomas
To Fly or Not to Fly: Using the Theory of Planned Behavior to Understand Personal Travel

Elise Amel, University of St. Thomas
Goal Specificity, Goal Difficulty and Perceived Need to Develop Skills in the Context of Environmental Sustainability

Climate Change and its Impacts on the Environment (Villaggio I)

Francisco Fellizar Jr., Ritsumeikan Asia Pacific University
Climate Change and Island Water Governance: Adaptation Challenges and Options

David Forest, Northern Arizona University
Climate Change as a Threat to Environmental Security

Karl-Heinz Simon, University of Kassel
Climate Adaptation - Responses to Climate Change or Adaptation to Societal Demands?

Robert Daniels, In-Harmony Foundation
Surviving Climate Change with the ARC City

Health, Environment and the Future (Festa)

Ajibike Funmilade, Olabisi Onabanjo University
Augustine Adebisi Tometi, Ibadan Polytechnic
Health Education as Effective Machinery in the Prevention and Control of Tuberculosis

Narjes Seighali, Saeed ZakerBostanabad, and Mohammad Ghomic
Islamic Azad University
Flora Medicine, Industrial and Nutrition of Plants in IRAN

Judy Rosella Edwards, Greenspace Genealogy
Inheritable Commitments

Michelle Kawamura, Colorado State University
Implementing Strategies to Encourage Integration among Intergenerational and Mixed-Ability Users that Result in Increased Health and Environmental Benefits

9:30 - 10:00 Coffee break

10:00 – 10:50 Keynote Address: Kirk Emerson, Founding Director of the U.S. Institute for Environmental Conflict Resolution at the Morris K. Udall Foundation
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11:00 – 12:30 Concurrent Sessions

International Perspectives in Environmental Psychology (Villaggio I)

Susan Clayton, College of Wooster
Environmental Concern in the U.S. and China: Effects of Cultural Context, Situational Context and Personality

Etornyo Agbeko, University of Ghana
Climate Change and Anthropogenic Effects - The Human Factor in Sub-Saharan Africa

Philip Tedeschi, Sarah M. Bexell and Holly Counter Beaver, University of Colorado, Denver
Conservation Social Work: Preparing Social Work Students to Aid Communities Facing Environmental Changes

Resilient Roads to Management (Banchetta)

Alpina Begossi, Universidade Estadual de Campinas (UNICAMP), Brazil
Priscila F. Lopes and Renato AM Silvano, Fisheries and Food Institute (FIFO), Brazil
Small-scale Fisheries in the Atlantic Forest Coast: Social-ecological and Economic Subsidies Towards Management

Liwayway S. Vilorio, Michaellester O. Monteron and Veron Gay Paragoso
MSU-Iligan Institute of Technology
The Techniques Used in Harvesting Shrimp and Crab and their Perceived Effects on Selected Coastal Areas along Panguil Bay

Gigi Berardi, Rebekah Green and Bryant Hammond
Huxley College of the Environment, Western Washington University
Beyond Sustainability: Resilience, Extinction Thresholds, and Time as a Limiting Factor for Small and Medium Sized Farms

Davis Taylor, College of the Atlantic
The Economics of Community Supported Fisheries: Implications for Communities and Sustainable Management

Redemptive Consumption: Can We Save The World Through Consumer Choice? (Festa)

David Dumaresq, Fenner School of Environment and Society,
Australian National University
Removing the Rubbish. Re-conceptualising Consumption

David Pearson, University of Canberra
Sustainable Diets. What Do Consumers Know about their Food Choices

Bruin Christensen, Australian National University
The Myth of Affluenza or Why Consumerism is not a Disease. Towards a Meaningful Ecopolitics of Consumption

Anton G. Camarota, University of Denver
Towards a Theory of Sustainability Management

Teaching and Learning Natural History in the Field (Villaggio II)

John Anderson, College of the Atlantic
Natural History and a Sense of Place

Tom Fleischner, Prescott College
Falling in Love with the World: The Path of Natural History

Arya Degenhardt, Mono Lake Committee
Environmental Education and Advocacy: Outdoor Opportunities for Urban Youth

[To be accompanied by four 'responses' from students who have participated in Natural History Field programs and round-table discussion responses of the opportunities and challenges of this sort of education]

12:30 – 1:00 **Lunch** – Box Lunches provided in front of the Riva di Lago Events Center

1:00 – 2:00 **Keynote Address:** Dennis Pirages
Professor of Political Science at University of Nevada, Las Vegas
"From Limits to Growth to Ecological Security: The Evolution of Environmental Thinking"
Riva di Lago Events Center

2:00 – 3:30 Concurrent Sessions

Environmental Values And Action (Banchetta)

Britain Scott, University of St. Thomas
Why I'm a Concerned Citizen, but not an Environmental Activist

Ezra Markowitz, University of Oregon
Is Climate Change an Ethical Issue?: Examining Young Adults' Beliefs about Climate and Morality

Stacia Dreyer, University of Maine
A Comparison of Students' Conceptions of Littering in Washington State Wilderness Areas, State Parks, and a Small City

Olivia Zimmerman and Gene Myers, Western Washington University
Chris Morgan, Insight Wildlife
Caring About a Carnivore: Risk Perception and the Values Washington Residents Place on Mountain Lions

Social, Psychological And Institutional Roadblocks To Sustainability (Villaggio II)

Marc E. Pratarelli (Organizer)
Department of Psychology, Colorado State University-Pueblo

William Rees, University of British Columbia
The Age of Reason – Still Just a Good Idea

Brita Radzyski, Colorado State University, Pueblo
When is Enough, Enough: the Crossroads of Biology and Culture

Sarah M. Johnson, University of Colorado at Colorado Springs
American Social Institutional Structure and Its Effects on Sustainability

Brett Ford, Colorado State University, Pueblo
Religion and Sustainability

Marc E. Pratarelli, University of Colorado at Colorado Springs
Political Correctness Masks Denial and Rates of Pro-environmental Behavior

Human Ecology and Education (Villaggio I)

Wolfgang H. Serbser, German Society for Human Ecology (DGH)
The College of Human Ecology for Europe – Concept Building And Regional Accommodation of a Core Curriculum

Xiomara Cabrera Bermúdez, Central University of Las Villas
The Human Ecology Insertion at the Curriculum of the Undergraduate Studies at the Central University “Marta Abreu” of Las Villas

Lindsay A. Clark, Jan Elsasser, Kansas State University
Joseph S. Clark, Florida State University
Mobile Augmented Reality in Higher Education: Theory and Practice

Karl-Heinz Simon, Felix Tretter, University of Kassel, Germany
Further Steps in Defining the Role of Systems Theory in Human Ecology Theory and Methodology

Water Management: Local Control (Festa)

Mariah Giardina, Northern Arizona University

Spring Ecosystem Management in the Arid Southwest: Challenges to Water Policy

Chantelise Pells, University of California, Davis

The Role of Social Heterogeneity and Collective Action: Groundwater Governance in Guadalupe Valley, Mexico and Sonoma Valley, USA

Chiho Watanabe, Dept of Human Ecology, Univ Tokyo, Koji Arizono, Kumamoto Pref. Univ. Japan,

Masahiro Umezaki, Dept of Human Ecology, Univ Tokyo, Budhi Gunawan, Padjadjaran Univ., Bandung,

Oekan S. Abdoellah, Padjadjaran Univ., Bandung, Krishna Pahari, Ndri, Kathmandu, and Tran Dinh Lam, Vietnam National Univ, Ho-Chi-minh City.

Introduction of and Exposure to Chemicals in Asian Developing Countries

Abhik Chakraborty, Ritsumeikan Asia Pacific University

Transitional Landscapes and Post Growth Society: The Case of Kizu River Basin in Japan

3:30 – 4:00 Coffee Break

4:00 – 5:30 Concurrent Sessions

Mind and Nature (Banchetta)

William M. Throop, Green Mountain College

Whose Minds?: Neutrality and the Transition to Sustainability

John Visvader, College of the Atlantic

Imaging the Human: The Limits of Naturalistic Explanation

Patricia Honea-Fleming, Licensed Psychologist

Netting the Web: How the Mind Weaves Identity to Naturalize Technology

Richard J. Borden, College of the Atlantic

Personal Ecology – Where is the Environment?

Water Management: Issues and Tools (Villaggio II)

Marina Christofidis, Brazilian Planning Ministry, and Maria Raquel Catalano de

Sousa, Brazilian Institute of Industrial Property – INPI

Water Use Charge and Reuse of Water in Brazil – Public Policies Inducing Behavior Modulation and Environmental Change

Nawal Prasad Singh, University of Delhi

Space, Water and Its Management Problem in Delhi

Sya Buryan Kedzior, University of Kentucky

Environmental Knowledge and Anti-Pollution Social Movements in India's Ganges River Basin

T.S. McMillin, Oberlin College

Strange Waters: Paradox on the Los Angeles River

Healthy Families and Communities (Villaggio I)

Jasmin Honold, Elke van der Meer, Reinhard Beyer and Tobia Lakes

Humboldt-Universität zu Berlin

Adverse and Favorable Urban Neighborhoods – Towards a More Holistic Perspective on the Effects of Multiple Environmental Factors on Human Well-Being

Erik Bond, College of the Atlantic

The Shape of the Family: Human Ecological Impacts of Economic Structure on Family Systems

Yolanda López- Maldonado, Amada Rubio Herrera, María Teresa Castillo-Burguete, Elda Ancona Ricalde, & Natalí Pech-Jiménez, Centro de Investigación y de Estudios Avanzados del Instituto Politécnico Nacional Unidad Mérida Departamento de Ecología Humana
Human Ecology Research Results Communication to Participating Groups on the Coast of Yucatan, Mexico

Faina Ingel, Elena Krivtsova and Nadezhda Yurtseva, A. N. Sysin State Research Institute for Human Ecology and Environmental Hygiene of RAMS,
Tatiana Legostaeva and Nadezhda Antipanova, State University of Magnitogorsk
How Can Family's Lifestyle Modify Genomic Instability of Young Children in Polluted Town

5:30 – 6:15 **Keynote Address:** Stephanie Mills, Author and Lecturer on Bioregionalism and Ecological Restoration
"From the Pleistocene to the Motor City: Revolutions in Human Ecology"
Riva di Lago Events Center

6:30 **Dinner Parties** (MonteLago Village or Las Vegas Strip)

Saturday, April 23

8:00 – 9:30 **Concurrent Sessions**

Alaska Native Corporations And Sustainable Livelihoods (Villaggio II)

Thomas F. Thornton (Organizer) University of Oxford, UK

Thomas F. Thornton, University of Oxford, UK

Cultural Models of Well-Being, Sustainability, and Development in Alaska Native Corporations

Deanna Paniataaq Kingston, Oregon State University

Rebecka Rising Daye, Oregon State University

Vulnerabilities to Sustainable Development in the Bering Straits Native Corporation

Elizabeth K. Marino, University of Alaska Fairbanks

"That is Not the Way the Real World Works": Identifying Institutional Barriers to Successful Climate Change Adaptation and Environmental Relocation in Western Alaska

Corporate Management and Behavior (Banchetta)

Dr. Justin Ervin, Northern Arizona University

Beef as Unequal Ecological Exchange: Case Studies in Brazil, Uruguay, and Argentina

Jessica DeShazo, Northern Arizona University

Steel Giant v. Adivasi: A Case Study of Orissa, India

Huang Zuhui, Sun Huaping, Hu Jifei and Song Yu, Zhejiang University

Sticky Factors In The Industrial Relocation of Cluster: A Case Study of Zhili Township Children's Garments Cluster

Saud S. AL-Oud, King Saud University

Environmental Effects of the Gold Mining Activities in Albidayah Village-Central of Saudi Arabia

Environment and Education (Villaggio I)

Mallory Dolan, University of Illinois at Urbana-Champaign
How Important Are Learning Partnerships in Environmental Programming During Structural Reorganization? A Look at Illinois Extension Natural Resource Management Programming

Joy Hardy, University of New England
Environmental Values Education: Reconfiguring The Indoctrination Debate

Howard Ingle, Salt Lake Community College
Ten Years of Eco-Psychology Classroom to Field School

Dr. Parto Teherani-Krönner, Humboldt-Universität zu Berlin
Engendering Human Ecology - Responsibility for Gender Justice and Global Sustainability

Energy: Policy and Management (Festa)

Olubayo Oluduro, University of Gent, Belgium
Oil Exploration and Ecological Damage: The Compensation Policy in Nigeria

Randolph E. Schwering, Rockhurst University
Emergence in Planning and Policy Formulation Processes: Lessons from Complex Adaptive Systems

Maria Pekhova, Corvinus University of Budapest
European Energy Policy in the Context of Energy Resources Shortage

Jerry Skaggs, UL DQS, Inc.
Implementation of an ISO 50001 Energy Management System and its Applicability to Human Sustainability

9:30 – 10:00 Coffee Break

10:00 – 11:30 Concurrent Sessions

Sustainability: Perceptions (Banchetta)

Corrin Behm and Joanne Vining, University of Illinois at Urbana Champaign
Student Perceptions of Sustainability: a Foundation for Planning and Policy

Gertjan Plets and Jean Bourgeois, Ghent University
Sustainable Development of the Cultural Landscape of the Altay Mountains – A Community Based Approach

Anil Kumar, NMKRV College for Women and S.C. Poornima, IBS Bangalore
Environmental Sustainability Through Human Resource Initiatives

Jane Whitmire, Kira Russo Bauer, Northern Arizona University
Advancing the Utility of Ecological Economics: An Interdisciplinary Perspective

Roundtable Discussion: New Directions in Human Ecology Education (Villaggio I)

Co-Chairs: Wolfgang Serbser, German Society for Human Ecology (DGH)

Kenneth Hill, College of the Atlantic

Rob Dyball, Australian National University

Meriel Brooks, Green Mountain College

Parto Teherani-Kronner, German Society for Human Ecology (DGH), Humboldt University of Berlin
(Open for Participation)

Energy: Domestic Uses (Festa)

Gray Cox, Don Cass and Davis Taylor, College of the Atlantic
Developing Our Energy Future: Residential Heating with Wood in Hancock County, Maine

Beth Karlin, Kristen Figueira, Jessie Baker, University of California, Irvine
Technology to the Rescue? The Potential and Pitfalls of Feedback in Energy Conservation

Nooraddin Sharify, and Parvin Madani, Mazandaran University
An Investigation on Urban and Rural Households' Energy Consumption in Different Income Groups in Iran: An Input-Output Analysis

Theoretical Approaches to Understanding the Environment (Villaggio II)

Lewis Williams, Koru International Network, University of Saskatchewan
Cosmology, Epistemology, Human Agency and Ecological Wellbeing: Critical Questions for Crucial Times

Mohamed M. El-Shazly, Cairo University
Ecosystem Hierarchy Theory and Environmental Policy

Kim Y. Hiller Connell, Kansas State University
Revisiting Ecological Rationality: A Theoretical Examination of the Nature and Process

Patricia L. Winter, USDA FS, Pacific Southwest Research Station, Coral M. Bruni, Action Research, Oceanside, CA, and P. Wesley Schultz, California State University, San Marcos
Using Creative Arts to Connect Kids to Nature

11:30 – 12:00 Lunch –Box Lunches provided in front of the Riva di Lago Events Center

12:00 – 1:30 Concurrent Sessions

Community Based Decision Making (Villaggio II)

Yolanda López-Maldonado and María Teresa Castillo-Burguete, Centro de Investigación y de Estudios Avanzados del Instituto Politécnico Nacional, Unidad Mérida, Departamento de Ecología Humana.
Women in Community Management of Historic Heritage on the Coast of Yucatan, Mexico. A Human Ecology Perspective

Patricia L. Winter, USDA FS, Pacific Southwest Research Station, Grace Wang, and George T. Cvetkovich, Western Washington University
In Charge or in the Lead? Reflections on Community Residents' Perspectives on Fire Management as an Example of Citizen Response to Risk

Elin Torell, University of Rhode Island
Integrating Population And Health Into Community-Based Coastal Conservation In Tanzania

Perception, Ecology, and Management (Banchetta)

Kelly Garbach and Mark Lubell, University of California, Davis
Pathways to Adoption of Management Innovations in Agriculture: the Effects of Payment for Ecosystem Services, Information Sharing, and Social Learning

Anna Post, University of Gothenburg
"System Thinking"- Make Different Stakeholders' Perspective Visible

Contributed Papers (Festa)

Maria del Carmen Anaya Corona and Rafael Guzman Mejia, University of Guadalajara
Human Ecology: A Comparative Analysis of Two Regions of the State of Jalisco, Mexico.

Zhou Hong and Lin Jin-ping, Yunnan University
Rural Ecotourism and Traditional Ecological Cultural in China

Lindsay A. Clark, Kansas State University
Exploring Symbolic Space: Toward an Archetypal Method

Mohamed Behnassi, Syracuse University/Ibn Zohr University of Agadir, Morocco
Halima Ouamouch, Syracuse University/Ain Chock of Casablanca
Marie Bonin, Institute for Research and Development
Global Science Governance and Science Diplomacy to Foster Transitions Towards Sustainability

Halima Ouamouch, Syracuse University/Ain Chock of Casablanca
Mohamed Behnassi, Syracuse University/Ibn Zohr University of Agadir, Morocco
Education for Sustainable Development and Civic Engagement: A Developing Country Perspective

1:30 – 2:30 **Closing Events/ SHE Business Meeting** Riva di Lago Events Center

2:30 **Field Trips – Hoover Dam, Red Rock Canyon National Conservation Area**



Map Not to Scale

Food and Drink

- 5 La Havana Cigar Bar
- 6 Sonrisa Grill
- 10 Black Pepper Grill
- 17 Bernard's Bistro
- 14 Auld Dubliner Irish Pub
- 13 Saxby's Coffee
- 24 Pizziamania
- 26 Luna Rossa
- 27 Tutti Gelati
- 28 Sunset & Vines
- 29 Before Sunset Cafe

Services

- 11 Villaggio Conference Ctr
- 14 LLV Vacation Villas
- 31 Riva di Lago Events Center
- 33 Village Office
- 34 Viera & Lodging Registration

Shops

- 1 Village Galleries
- 2 Tutto
- 4 Turquoise Door
- 5 Sixth Sense
- 7 Coming Soon...
- 8 Cote d' Azure Fine Arts
- 9 Mishegoss
- 12 Hermitage Art to Wear
- 13 Coming Soon...
- 15 Coming Soon...
- 16 Tesoro
- 20 Cathay Las Vegas
- 21 Silver Sassy
- 22 Sassy - The Boutique
- 23 Village Real Estate
- 25 Rocky Mtn. Chocolate Factory
- 30 Flights of Fancy - Wind Toys
- 32 Casamar Market

Additional Village Services

- Lodging
- ATM Machine
- Parking
- Restrooms

