

XIX International Conference of the Society for Human Ecology



jointly with

**IV International Conference on
Sustainability Science in Asia**



Decisions that Work:

Linking Sustainability,
Environmental Responsibility
and Human Well-being



February 4-8, 2013
The Australian National University
Canberra, Australia



**Australian
National
University**

General Information

Conference Venue

The Australian National University (ANU) is situated in a beautiful, tree-dense campus on the edge of the Canberra's central business district. It was created by an act of the Federal Australian Parliament in 1946, with the aim of advancing Australia's store of knowledge, its national identity and its place in the world.

The Conference is being held in a number of buildings across the ANU Campus. The plenary sessions will all be in Robertson Theatre and concurrent sessions and workshops will be held in the Fenner School of Environment & Society. The Art Gallery Opening and showing of the Hong Kong Project will be held at the ANU School of Art Gallery and the Conference Dinner will be held at University House. *Please refer to map on back page.*

Catering

Your registration includes morning and afternoon teas and lunches. Dietary requirements noted on your registration form have been passed on to catering staff. Please visit the Registration Desk if you have not registered your dietary requirements.

Registration location and hours

The registration desk will be located on the ground floor foyer of the Forestry Building and will be open as follows:

Tuesday 5 February	1100 - 1930
Wednesday 6 February	0730 - 1730
Thursday 7 February	0730 - 1730
Friday 8 February	0730 - 1730

Registration for SHE XIX also includes the opportunity to attend the ICSS-Asia Conference. The ICSS Conference will be held on Wednesday and Thursday within the concurrent streams. Speakers have been specially invited to present at this conference and the timings of the presentations are different to the SHE XIX Conference.

Taxi Phone Numbers

Canberra Elite	13 22 27
Cabxpress	02 6260 6011

Journal support

All presenters are invited to submit their papers to one of our supporting journals.

The Human Ecology Review (HER) –The Journal publishes peer-reviewed research and theory on the interaction between humans and the environment and other links between culture and nature (Research in Human Ecology), essays and applications relevant to human ecology.

Solutions – Solutions is a non-profit print and online publication devoted to showcasing bold and innovative ideas for solving the world's integrated ecological, social, and economic problems.

Fusion – Fusion is an international, online scholarly journal for the communication, creative industries and media arts disciplines.

EcoHealth – EcoHealth is the official journal of International Association for Ecology and Health.

Plenary Speakers



Xuemei Bai is a Professor of Urban Environment and Human Ecology at the Fenner School of Environment and Society, The Australian National University. Her work focuses on urbanization and the environment, including drivers and impacts of urbanization, urban system function and processes, urban environmental governance, cities and climate change, and innovative urban practices and urban sustainability transition, mostly in Asian cities. She

has been playing an active role in several international scientific initiatives, and is the Vice Chair of the Scientific Committee of the International Human Dimensional Program for Global Environmental Change (IHDP).



Stephen Boyden qualified in Veterinary Science at London University in 1947 and practised as a veterinarian for a short time. From 1949 to 1965 he carried out research in immunology in Cambridge (UK), New York, Paris, Copenhagen and Canberra. From 1965 until his retirement at the end of 1990 he developed human ecology and biohistory at The Australian National University. In the 1970s he initiated and was Director of the Hong Kong Human Ecology Program – the first comprehensive attempt to study the ecology of a city. In 1973 he introduced the first undergraduate courses in Human Ecology at ANU. Since

retirement Boyden has been involved in the establishment and activities of the *Nature and Society Forum (NSF)* – a community-based organization committed to improving understanding, across the community, of the processes of life and human and ecological health. He is convener of NSF's Biosensitive Futures Program (www.natsoc.org.au/biosensitivefutures).



Darron Collins is a second-generation IrishAmerican and the first in his family to graduate from college. His grandmother, Josie Collins, lived in rural Roscommon and once commented on the photographs Darron brought home from Guatemala: “Those thatch roof homes remind me of my own childhood.” Darron grew up in New Jersey where his mother Dee Sadauskas encouraged his curiosity with nature. He developed a passion for rivers as a COA student and as a Watson Fellow from 1992 to 1993. His Watson adventures brought him to the headwaters of the Bio-Bio and Amazon rivers where he kindled an interest in

indigenous Americans. That interest, some luck and a generous grant brought him to Tulane University in New Orleans where Darron received a PhD in anthropology. Darron also fell in love with his wife Karen there. The two “honeymooned” in Guatemala doing fieldwork among the Q’eqchi’-Maya where they were affectionately known as Jose and Karina. Darron then began work at World Wildlife Fund where he designed, implemented and raised funds for conservation programs throughout Latin America and in the Russian Far East, northeast China and Mongolia. During that time Darron and Karen brought Maggie and Molly into the world. They are the light of their lives. Darron came home to COA on July 15, 2011 and the family is now happily settled in Bar Harbor.



Robert Costanza is Professor and Chair in Public Policy at the Crawford School of Public Policy at The Australian National University. Prior to this, he was Distinguished University Professor of Sustainability, at the Institute for Sustainable Solutions at Portland State University (PSU). Before moving to PSU in Sept. 2010, he was the Gund Professor of Ecological Economics and founding director of the Gund Institute for Ecological Economics at the University of Vermont (www.uvm.edu/giee). Before Vermont, he was on the faculty at Maryland and LSU,

a visiting scientist at the Beijer Institute in Sweden, and at the Illinois Natural History Survey. Dr. Costanza is also currently a Senior Fellow at the National Council on Science and the Environment, Washington, DC, and a

Senior Fellow at the Stockholm Resilience Center, Stockholm, Sweden, and an Affiliate Fellow at the Gund Institute for Ecological Economics at the University of Vermont. Dr. Costanza's transdisciplinary research integrates the study of humans and the rest of nature to address research, policy and management issues at multiple time and space scales, from small watersheds to the global system. Dr. Costanza is co-founder and past-president of the International Society for Ecological Economics, and was chief editor of the society's journal, *Ecological Economics* from its inception in 1989 until 2002. He is founding co-editor (with Karin Limburg and Ida Kubiszewski) of *Reviews in Ecological Economics*. He currently serves on the editorial board of ten other international academic journals. He is also founding editor in chief of *Solutions* (www.thesolutionsjournal.org) a unique hybrid academic/popular journal.



Sasha Courville is a global expert in market-based sustainability tools and standards. She recently stepped down as Executive Director of the London-based ISEAL Alliance, the global association for sustainability standards and certification systems. ISEAL's members include Fairtrade, the Marine Stewardship Council and the FSC, among others. Prior to her time at ISEAL, she was a Research Fellow at the Regulatory Institutions Network, ANU, focusing on measuring impacts of sustainability standards and the exploring the interface between voluntary initiatives and regulatory frameworks for sustainable development. She also designed and led a Greening of Business Masters level course at the ANU. Sasha was a co-founder of the Fair Trade Association ANZ and was responsible for bringing the Fairtrade label to Australia. Sasha has a PhD from the ANU, an MSc from the London School of Economics and a Bachelor of Environmental Studies from York University in Canada. Sasha is currently based in Melbourne and provides advisory services on next generation standards and sustainability tools for sustainable value chains as well as working part-time in a strategy role at the National Australia Bank on exploring how natural value considerations can be incorporated into the Group's activities in line with the Natural Capital Declaration.



Thomas Elmqvist, PhD, is a professor in Natural Resource Management at Stockholm University. His research is focused on ecosystem services, land use change, natural disturbances and components of resilience including the role of social institutions. He is coordinating a major interdisciplinary research themes as part of the Stockholm Resilience Centre (www.stockholmresilience.su.se) at Stockholm University, focussing on governance and management of ecosystem services in urban landscapes, involving 12 cities around the world. He was involved in the Millennium Ecosystem Assessment and principal investigator of several multidisciplinary projects in Africa. He serves as associated editor for the journals *Ecology and Society*, *Conservation and Society*, *Ambio* and *Sustainability Science*. He is currently a co-chair of the Science Committee bioSustainability, as part of *Diversitas* and participated in the Economics of Ecosystems and Biodiversity project (www.teebweb.org).



Yolanda Kakabadse is World Wildlife Fund for Nature's International President and the former Ecuadorian Minister of Environment. President Kakabadse's work with the environmental conservation movement officially began in 1979, when she was appointed Executive Director of Fundación Natura in Quito, where she worked until 1990. During this time she helped Fundación Natura become one of Latin America's most important environmental organizations and, in 1993, she created Fundación Futuro Latinoamericano, an organization dedicated to promote the sustainable development of Latin America through conflict prevention and management. She was its Executive President until 2006 and remains as Chair of the Advisory Board. From 1990 until 1992, Yolanda Kakabadse coordinated the participation of civil society organizations for the United Nations Conference for Environment and Development (Earth Summit) in Geneva. From 1996 to 2004 she was President of the World Conservation Union (IUCN), and Member of the Board of the World Resources Institute (WRI) during the same period. In August 1998 Yolanda was appointed Minister

of Environment for the Republic of Ecuador, a position she held until January 2000. During 2001 she was a visiting professor at Yale's School of Forestry and Environment, USA She co-Chaired the Environmental Sustainability Task Force of the UN Millennium Project, 2002 – 2005. She chaired the Scientific and Technology Advisory Panel of the Global Environment Facility (STAP / GEF) from 2005 to 2008. Yolanda took office as WWF's International President on 1st January 2010.



Hiroshi Komiyama is a prominent academic and leading authority on global sustainability. He is President Emeritus of the University of Tokyo and Chairman of the Institute of Mitsubishi Research Institute, Inc. Most recently, he founded in December 2010 the Platinum Network. It grew out of his influential 1999 book published in Japanese, Chinese and English (*Vision 2050*, Springer/200). It describes a plan for global sustainability based on a growth strategy that he calls the "Platinum Society". It is a vision for a 21st century that is characterized by: 1) ecological values, (2) participation by all, including seniors, (3) lifelong growth, (4) abundant job opportunities, (5) a bright, shining sustainable society, and (6) created by green, silver, gold and various innovations. The Platinum Network has attracted more than 100 local governments and 40 enterprises as members. His concept is the foundation of environmental policy for the present Japanese Government.



Kazuhiko Takeuchi is Vice-Rector of United Nations University and Director of United Nations University Institute for Sustainability and Peace (UNU-ISP), Director and Professor of the Integrated Research System for Sustainability Science (IR3S) at the University of Tokyo. He has served, inter alia, as a member of the Central Environment Council, and a member of the Food, Agriculture and Rural Area Policies Council, Government of Japan, Editor-in-Chief of the journal *Sustainability Science* (Springer). Educated and trained as a geographer and landscape ecologist at the University of Tokyo, he engages in research and education on creating eco-friendly environments for a harmonious coexistence of people and nature, especially focusing on Asia and Africa. He leads the Satoyama Initiative as well as climate/ecosystem change research in Asia and Africa. His recent publications include *Satoyama-Satoumi Ecosystems and Human Well-being: Socio-Ecological Production Landscape of Japan* (co-edited, UNU Press, 2012), *Sustainability Science: A Multidisciplinary Approach* (co-edited, United Nations University, 2011). *Rebuilding the relationship between people and nature: The Satoyama Initiative*. (*Ecological Research*, 25, 891-897, 2010).



Tony (AJ) McMichael is Professor of Population Health at the ANU. Over the past decade he has developed and led the research program on the health risks of climate and environmental changes. He is an elected member of the US National Academies of Science, Associate Fellow of Chatham House (Global Health Security), and Honorary Professor of Climate Change and Health at the University of Copenhagen. He has contributed substantively to scientific assessments by the Intergovernmental Panel on Climate Change (IPCC) and in the Millennium Ecosystem Assessment. He advises WHO on climate change risks to health and chairs an expert group for the Tropical Diseases Research Program on the interactions between environment, climate, agriculture and poverty in the emergence of infectious diseases. Tony McMichael has published diverse papers and book chapters, and authored three books (Cambridge University Press). He is struggling to complete an historical analysis of climate change and human health: *When Climates Change: Famines, Fevers and Fates of Populations*.



Kazuhiko Moji has been the project leader of the RIHN Ecohealth Project

"Environmental Change and Infectious Disease in Tropical Asia" since 2008 at the Research Institute for Humanity and Nature (RIHN), Kyoto, Japan. He is the Director of the RIHN Resource Program. His team have carried out researches mainly in Laos, Vietnam, Yunnan-China, and Bangladesh. He received his MA (1978) and Ph.D. (1987) in Health Sciences at the University of Tokyo. He was Research Associate at the Department of Human Ecology at the University of Tokyo, Associate Professor in the Department of Public Health, and Professor at

the Research Centre for Tropical Infectious Diseases, Nagasaki University Institute of Tropical Medicine. He is now President of the Japanese Society of Tropical Medicine.



Charles Redman is the founding director of Arizona State University's School of

Sustainability, the first in the US to offer sustainability degrees at all levels. Redman is an anthropologist/archaeologist by training but has spent the last 15 years directing large scale interdisciplinary projects focused on contemporary urban ecology and for the past ten years has been a member of the Resilience Alliance. His interests include human impacts on the environment, sustainable landscapes, rapidly urbanizing regions, sustainability education and public outreach. Together with colleagues from ASU and UNAM (Mexico City) he is

currently developing a transdisciplinary project to create an analytical framework to address the various water related challenges facing Mexico City and other megacities in the face of climate change and continued rapid urbanization.



Roderick Lawrence is Professor at the Faculty of Economic and Social Sciences at

the University of Geneva and he directs the Human Ecology Group at the Institute of Environmental Sciences. He is currently Director of the Global Environmental Policy Programme (GEPP) and the Certificate of Advanced Studies in Sustainable Development at the University of Geneva. He has served as a Consultant to the Organization for Economic Cooperation and Development (OECD), the Economic Commission for Europe (UNECE) and

the World Health Organization (WHO). From 1998-2003 he was Chairperson of the Evaluation Advisory Committee of the WHO-EURO Healthy Cities project. Since 1997 he has been an Associate Member of the New York Academy of Sciences

Program

Note: program correct at time of printing

Monday, February 4

2.00pm – 5.00pm Student Pecha-Kuch Workshop: Sustaining People, Sustaining Places. Room F101. Non-student delegates are welcome to attend.

Tuesday, February 5

TIME	EVENT	TITLE	PRESENTER	VENUE
11.00am-7.30pm	Registration open			Foyer, Forestry Building
1.00pm – 2.30pm	Workshops	<i>Incorporating human well-being into sustainability planning</i>	Kelly Biedenweg, Natural Capital Project, Stanford University, USA	F103
		<i>Human Ecology and Social Change</i>	Stephen Boyden, The Australian National University	F102
		<i>Reinventing the future: the radical human ecology dialogues of communities in action</i>	Lewis Williams, Koru International Network, Canada	F108
		<i>What's in it for them? Design sustainability projects that integrate the motivations for your targeted participants</i>	Helen Burnie, University of Western Sydney	Fenner Seminar
		<i>Participatory mapping for social change and environmental management</i>	Greg Brown, School of Geography, Planning and Environmental Management, University of Queensland	F101
3.00pm-3.45pm	Opening	Conference opening and welcome addresses	Chair: Rob Dyball	Robertson Theatre
	3.00pm	Conference Welcome	Rob Dyball, Conference Convenor, The Australian National University	
	3.05pm	Welcome to The Australian National University	Ian Young, Vice Chancellor, The Australian National University	
	3.15pm	Welcome to the Fenner School of Environment and Society	Steve Dovers, Director, Fenner School of Environment and Society, The Australian National University	
	3.25pm	Welcome to Canberra	Paul Grimes, Secretary, Department of Sustainability, Environment, Water Population and Communities	
	3.35pm	ICSS-Asia Welcome	Kazuhiko Takeuchi, Senior Vice-Rector, United National University Institute for Sustainability and Peace / Director, Integrated Research System for Sustainability Science, University of Tokyo, Japan	

Friday, February 8

TIME	EVENT	TITLE	PRESENTER	VENUE
7.30am-5.30pm	Registration open			Foyer, Forestry Building
9.05am-10.45am	Plenary	Plenary 4 – Individual & Institutional Responsibility for Change	Chair: Richard Borden	Robertson Theatre
	9.05am	Introduction	Richard Borden, College of the Atlantic, USA	
	9.10am	Individual and Institutional Responsibility for Change	Yolanda Kakabadse, President, World Wildlife Fund for Nature International, Ecuador	
	9.30am	Implementing a new economic paradigm	Bob Costanza, Crawford School, The Australian National University	
	9.50am	Shaping sustainability markets through multi-stakeholder partnerships: sustainability standards as tools for collective leadership and individual action	Sasha Courville, independent consultant	
	10.10am	Wither sustainability and resilience: as one or separately?	Charles Redman, Arizona State University School of Sustainability, USA	
	10.30am	Commentary and discussion	Richard Borden	
10.45am-11.15am	Morning Tea			Foyer, Forestry Building
11.15am-12.45pm	Concurrent Session	<i>SHE Session: Education for Sustainability</i>	Chair: Jay Friedlander	Fenner Seminar
	11.15am	What do you do with a degree in Human Ecology? Forty years of evidence	Ken Hill, College of the Atlantic, USA	
	11.35am	Sustainability, emergence and the graduate attribute of global citizenship	Kate Judith, University of Southern Queensland	
	11.55am	Nepal's climate change education to youth, poor & indigenous people	Dambar Narayan Yadav, Centre for Poverty Alleviation, Environment Conservation & Women's Welfare, Nepal	
	12.15pm	Moving from theory to action: a model for higher education	Jay Friedlander, College of the Atlantic, USA	
	12.35pm	Discussion		