

Environmental Hazards – Board Members 2019

Irasema Alcántara-Ayala

Professor, Institute of Geography, National Autonomous University of Mexico (UNAM). Av. Universidad 3000, Col. Universidad Nacional Autónoma de México, 04510, Mexico City, Mexico
Phone: +5255 56224335/56230222 ext. 45466
Email: irasema@igg.unam.mx

Interests

Landslides, vulnerability, disaster risk assessment, disaster risk perception and communication, sustainable development goals, climate change, disaster population displacement, science and policy making

Current research areas

Landslide disaster risk assessment
Forensic Investigations of Disasters
Disaster risk reduction and management
Integrated Research on Disaster Risk

One recent publication

Cutter, S.L., Ismail-Zadeh, A., **Alcántara-Ayala, I.**, et al., 2015, Global risks: Pool knowledge to stem losses from disasters, *Nature* 522 (7556): 277-9; June 2015.



Environmental Hazards – Board Members 2019

Paulina Aldunce

Associate Professor
Department of Environmental Sciences and Natural Resources
University of Chile and Deputy Director of the Center of Disaster Risk Reduction, CITRID
University of Chile
Email: paldunce@uchile.cl

Interests

Droughts, fire and floods, Community level, social dimension

Current Research Areas

Social and institutional dimensions of disaster risk management and climate change; adaptation, resilience and transformation

Publication: Aldunce P. Beilin R. Handmer J. Howden M. 2015. Resilience for disaster risk management in a changing climate: practitioner's frames and practices. *Global Environmental Change*, 30:1-11



Environmental Hazards – Board Members 2019

Janki Andharia

Professor and Dean
Jamsetji Tata School of Disaster Studies
Jal Malti Naoroji Campus
Tata Institute of Social Sciences
Sion- Trombay Road
Deonar
Mumbai: 400 088 INDIA
andharia@tiss.edu



Interests

Social development, community organisation
Disaster Management, Vulnerability, reliance and
critical studies
Ecosystems services and
Democratic governance, peri-urban areas, gender,
informal sector work

Current Research Areas

Post disaster Recovery, spatial justice, post-colonial theory
Intersectionality in disaster studies
Praxis in disaster management

One recent publication

Esbern Friis-Hansen, Janki Andharia, and Suubi Godfrey (Dec 2017) Democratic Rural
Organizations: Thresholds for Evolution in Africa and Asia, Routledge, London

Environmental Hazards – Board Members 2019

Stephen Bender

Architect. Organization of American States,
Department of Sustainable Development (and
its predecessors) (retired)
4936 Fairbank Road, Tilghman, Maryland 21671
Fax and phone: 1-410-886-2570
Email: baybender@verizon.net

Interests

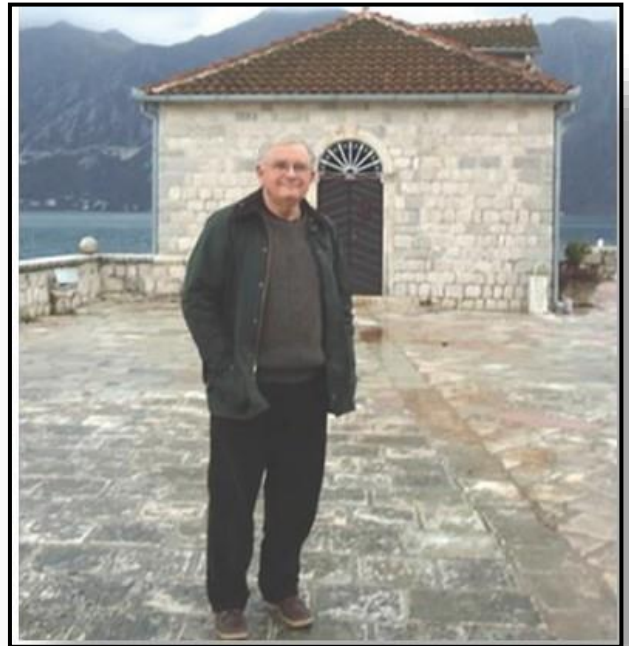
Natural hazards risk reduction to the built environment, water resources management, poverty and hunger reduction, healthy food production, environmental planning and policy

Current research areas

Risk reduction of economic and social infrastructure Rural landscape sustainability and economic development; Hunger reduction in rural areas

One recent publication

- Bender, Stephen and Charlotte Benson (lead authors). *Investing in resilience: ensuring a disaster-resistant future*, Asian Development Bank, Mandaluyong City, Philippines: 2013.



Environmental Hazards – Board Members 2019

Ann Bostrom

Weyerhaeuser Endowed Professor in Environmental Policy Daniel J. Evans School of Public Policy and Governance University of Washington
Seattle, Washington 98195-3055
Email: abostrom@uw.edu

Interests:

Risk perceptions, communications, and decision making under uncertainty; environmental risk policy and management.

Current research:

Climate change perceptions, communication and decision making; perceptions of seismic risk and earthquake early warning.

One recent publication:

- Bostrom, Ann, Ann Hayward Walker, Tyler Scott, Robert Pavia, Thomas M. Leschine, and Kate Starbird "Oil Spill Response Risk Judgments, Decisions, and Mental Models: Findings from Surveying U.S. Stakeholders and Coastal Residents." *Human and Ecological Risk Assessment: An International Journal*. Volume 21, Issue 3, April 2015, pages 581-604. DOI: 10.1080/10807039.2014.947865



Environmental Hazards – Board Members 2019

Stephanie E. Chang

Professor

School of Community and Regional Planning (SCARP)
and Institute for Resources, Environment and
Sustainability (IRES)

University of British Columbia

433-6333 Memorial Rd.

Vancouver, BC V6T 1Z2, Canada

Email: stephanie.chang@ubc.ca

Interests

Socio-economic impacts of natural disasters; modeling disaster losses; urban risk dynamics; critical infrastructure systems and interdependencies; economic evaluation of disaster mitigations; disaster recovery; resilience planning; coastal communities

Current research areas

Coastal flooding, marine oil spills, earthquakes; vulnerability indicators; information-sharing tools for community resilience; risk and resilience of marine transportation systems; risk communication

One recent publication

Chang, S.E., J.Z.K. Yip, S.L. van Zijll de Jong, R. Chaster, and A. Lowcock. 2015. "Using Vulnerability Indicators to Develop Resilience Networks: A Similarity Approach," *Natural Hazards* 78(3): 1827-1841, DOI: [10.1007/s11069-015-1803-x](https://doi.org/10.1007/s11069-015-1803-x).



Environmental Hazards – Board Members 2019

Brian R. Cook

Lecturer, School of
Geography, The University of
Melbourne, Carlton, Victoria,
Australia 3010
Email: brian.cook@unimelb.edu.au

Interests

Risk management, water and flood
management, scientific expertise, expert-lay
relations, local knowledge

Current Research Areas

Flood management and land-use planning
in Australia; Expert and lay perceptions of
technology change; Relational methods for
the analysis of hazard and risk

One recent publication

- Cook, B. R. 2015. Disaster management culture in Bangladesh. *Cultures and Disasters: Understanding Cultural Framings in Disaster Risk Reduction*. F. Kroger, G. Bankoff, T. Cannon, B. Orłowski and L. F. Schipper: 193- 207.



Environmental Hazards – Board Members 2019

Olena Dronova

Associate Professor
Department of Economic and Social Geography
Faculty of Geography
Taras Shevchenko National University of Kyiv,
Ukraine
03680, Ukraine, Kyiv, Prosp. Glushkova, 2

Research Fellow (part-time)
Department of Sustainable Development and
Environmental Assessment
Institute of Geography of the National Academy
of Sciences of Ukraine
01030 Ukraine, Kyiv, Volodymyrska St., 44

E-Mail: olena.dronova@gmail.com

Interests

Sustainable development; environmental
management; environmental risks and hazards;
urban geography; new urbanism and
constructing the city friendly for people

Current Research Areas

Root causes of technogenic emergencies; circular economy and smart waste management; urban spatial transformations and urban regeneration; integrated urban management; sustainable and livable city strategies

One recent publication

- Dronova, O. and Maruniak, E. (2018). Changing the symbolic language of the urban landscape: Post-socialist transformation in Kyiv. In: Stanley D. Brunn and Roland Kehrein (Ed), Handbook of The Changing World Language Map. Springer Publishing.



Environmental Hazards – Board Members 2019

Virginia García-Acosta

CIESAS (Center for Research and Advanced Studies in Social Anthropology)

Professor and Researcher (since 1974)

General Director (2004-2014) and Academic Director (1997-2000)

Juárez 87, Tlalpan, CP 14000, Mexico

Email: vgarciaa@ciesas.edu.mx



Interests

- Disaster and risk from a historical and anthropological perspective.
- Earthquakes and hydro-meteorological disasters in Mexican and Latin American History.
- Social construction of risks and social construction of prevention.

Current Research Areas

- History and memory of hurricanes in Mexico.
- Anthropology of Disasters in Latin America.
- Climate, risk and catastrophe in Ibero-America during the Little Ice Age (Spain, Portugal and Mesoamerica).
- Anthropocene, disasters and culture.

One recent publication

- García-Acosta, V. 2018. Catastrophes non naturelles et Anthropocène : leçons apprises à partir des perspectives anthropologiques et historiques. C. Larrère et R. Beau, *Penser l'Anthropocène*, Paris: Sciences Po, 329-342.
- García-Acosta, V. 2017. "Building on the past. Disaster Risk Reduction including Climate Change Adaptation in the *Longue Durée*", I. Kelman, J. Mercer y JC Gaillard, *Handbook of Disaster Risk Reduction Including Climate Change Adaptation*, London: Routledge, 203-213.

Environmental Hazards – Board Members 2019

JC Gaillard

Associate Professor, School of Environment, The University of Auckland, Private Bag 92019, Auckland 1142, New Zealand

Email: jc.gaillard@auckland.ac.nz

Interests

Disaster risk reduction (DRR), participatory tools for DRR, marginality and DRR, small and neglected disasters, livelihood assessment and strengthening in DRR, popular culture of disasters, post-disaster resettlement

Current research areas

Homelessness and disaster, imprisonment and disaster, gender and disaster, participatory tools for DRR

One recent publication

- Gaillard J.C., Mercer J. (2013) From knowledge to action: Bridging gaps in disaster risk reduction. *Progress in Human Geography* 37(1): 93-114.



Environmental Hazards – Board Members 2019

John Handmer

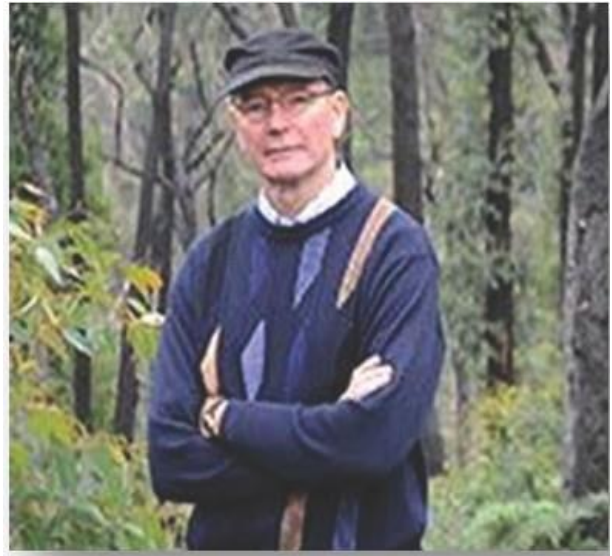
Deputy Head of RMIT's School of Mathematical and Geospatial Sciences, and leads the Risk and Community Safety research group.
E-mail: john.handmer@rmit.edu.au

Roles

John is a member of the Australian National Flood Risk Advisory Group, and the national committee revising the Australian Emergency Risk Assessment Guide and has held leadership positions with NCCARF and the IPCC. He works on the human dimensions of emergency management and disasters.

Recent publications

- John Handmer, Max Moritz and others "Learning to Coexist with Wildfire" (2014). Nature doi:10.1038/nature13946.
- Handmer J and Dovers S (2013) Handbook of disaster policies and institutions: improving emergency management and climate change adaptation.



Environmental Hazards – Board Members 2019

Dries Hegger

Assistant professor at the Copernicus Institute of Sustainable Development, Utrecht University

d.l.t.hegger@uu.nl

Dries' research focus is on regional water and climate governance and has carried out projects on flood risk governance, knowledge co-creation in regional climate adaptation projects, relationships between water companies and consumers and on innovation in wastewater management systems in a Western context.

Coordinator of the 'Governance and Societal Transformations' Track of the BSc programme Global Sustainability Science and programme leader of the BSc Environmental Studies.



Recent publications

- Raadgever T., Hegger D.L.T. (2018) Flood risk management strategies and governance. Springer
- Hegger D.L.T., Mees H.L.P., Driessen P.P.J., Runhaar H.A.C. (2017) The Roles of Residents in Climate Adaptation: A systematic review in the case of the Netherlands. Environmental Policy and Governance, 27(4):336-350.

Environmental Hazards – Board Members 2019

Jeroen van der Heijden

Professor and Chair of Regulatory Practice
School of Government
Victoria University of Wellington
Level 8
Rutherford House
23 Lambton Quay
Pipitea Campus
Wellington 6011
New Zealand
Email:
djroenvanderheijden@gmail.com

Current research areas:

Urban climate change governance,
vulnerability of cities to climate
change, climate change action at city level

One recent publication

Jeroen van der Heijden (2017) *Innovations in Urban Climate Governance: Voluntary Programs for Low-Carbon Buildings and Cities*. Cambridge: Cambridge University Press



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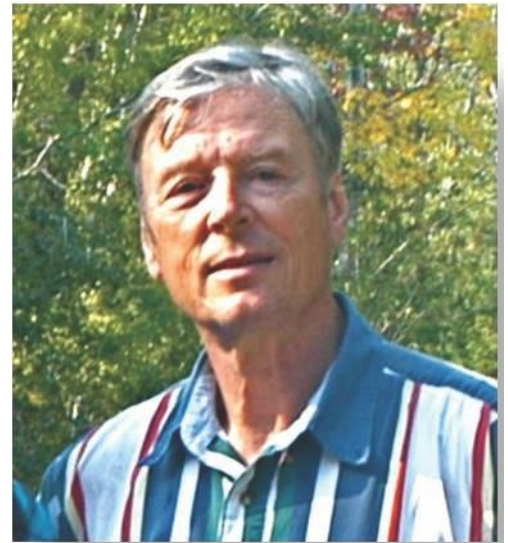
Kenneth Hewitt

Professor Emeritus, Department of Geography and Environmental Studies, Research associate, Cold Regions Research Centre, Wilfrid Laurier University, Waterloo, Ontario, CANADA Email: khewitt@wlu.ca

Interests

All-hazards, precautionary and preventive approaches to disaster loss reduction. Cryosphere change, earthquake and large landslides in mountain environments.

A main regional focus, the Karakoram Himalaya and upper Indus basin.



Current Research Areas

Implications of the Sendai Declaration for DRR in high mountain societies; DRR and the 'security industrial complex' Megaslides and earthquake risk in the NW Himalaya

One recent publication

- 2015 "Framing Disasters in the 'Global Village': Cultures of Risk, Security, and News." *In*: KrOger, F. et al. (eds.) Cultures and Disasters: Understanding Cultural Framings in Disaster Risk Reduction, Routledge, London Ch. 1.1,

Environmental Hazards – Board Members 2019

Ailsa Holloway

In 1996, Ailsa Holloway established a university-based research and capacity-building unit, the Disaster Mitigation for Sustainable Livelihoods Programme (DiMP), to introduce disaster risk scholarship and then advance continental disaster risk management capacity building efforts. From 2013, DiMP transitioned to become **RADAR** (the Research Alliance for Disaster and Risk Reduction).

Email: ailsaholloway@sun.ac.za

Research interests

Developmental risk

reduction One recent

publication



- Chasi, V., Holloway, A. & Orach, C. 2014 Health sector shortcomings associated with Measles Outbreaks. Special Issue on One Health. Planet@Risk. (Vol2: No 4).

Environmental Hazards – Board Members 2019

Yi Lu

Associate Professor
Institute of Emergency Management and
Reconstruction in Post-disaster
Sichuan University
No.24 South Section 1, Yihuan Road, Chengdu,
China
Email: luyiscu@scu.edu.cn

Interests

Earthquake Disaster Prevention and
Reconstruction; post-earthquake recovery
planning; community post-disaster
reconstruction; disaster governance and
resilience

Current Research Areas

NGO-led community post-disaster reconstruction

Comparative study and policy analysis on disaster resilience

One recent publication

Lu Y, and J.P. Xu. 2015. Comparative Study on the Key Issues of Post-earthquake Recovery and Reconstruction Planning: Lessons from the United States, Japan, Iran, and China. *Natural Hazards Review*, 16(3), 04014033-1-11.



Environmental Hazards – Board Members 2019

Shuaib Lwasa

Associate Professor
Department of Geography, Geo-Informatics
and Climatic Sciences
School of Forestry, Environmental and
Geographical Sciences,
College of Agricultural and Environmental
Sciences
Makerere University
P.O Box 7062, Kampala
CHUSS Building, South Wing Ground Floor
Room 12
lwasa_s@caes.mak.ac.ug

Interests

Multi-hazards, systemic risks, integrated
research, urban risk, disaster data, decision
making

Current Research Areas

- Vulnerability to climate change
- Slow-onset disasters and accumulation of risk
- Everyday risks and resilience in urban contexts

One recent publication

Lwasa, S., (2018). Drought and Flood Risk, Impacts and Adaptation Options for Resilience in Rural Communities of Uganda: *International Journal of Applied Geospatial Research* 9, 36–50.
doi:10.4018/IJAGR.2018010103



Environmental Hazards – Board Members 2019

Victor Marchezini

PhD in Sociology, Researcher
Cemaden - National Early Warning and
Monitoring Centre of Natural Disaster
São José dos Campos city, Brazil
Email: victor.marchezini@cemaden.gov.br

Interests

Disaster policy, disaster risk creation, root causes of vulnerability, interdisciplinary methods, early warning systems; capacity building.

Current Research Areas

Sociology of Disasters
Participatory Early Warning Systems
Disaster Risk Reduction Education
Disaster Risk Creation

One recent publication

- Marchezini, V.; Trajber, R., Olivato, D., Muñoz, V.A., Pereira, F.O., Luz, A.E.O. 2017. Participatory Early Warning Systems: Youth, Citizen Science, and Intergenerational Dialogues on Disaster Risk Reduction in Brazil. *International Journal of Disaster Risk Science* (8): 390-401



Environmental Hazards – Board Members 2019

Elizabeth Mansilla

Independent consultant

Email: elisa.mansilla@gmail.com

Interests

Risk construction processes, development models and disaster risk, urban risk, human settlements in natural protected areas.

Current Research Areas

Social studies on disaster risk management

Development and disaster risk

Risk relocation

Land policies and risk reduction

One recent publication

- Mansilla, E. and I. Rubio, 2014. "Riesgo urbano y sustentabilidad en América Latina", in Raúl González Herrera (Coord.). *Estudios ambientales y riesgos naturales. Aportaciones al sureste de México IV*. Colección Jaguar. UNICACH. Mexico: 17-52.



Environmental Hazards – Board Members 2019

Peter J. May

Donald R. Matthews Distinguished Professor
Emeritus of American Politics
Department of Political Science
University of Washington
Seattle, Washington 98039
USA
E-Mail: pmay@u.washington.edu

Interests:

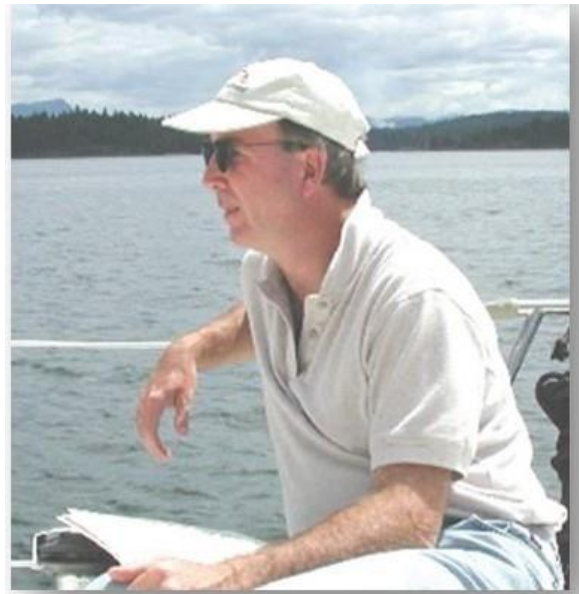
Policy processes, environmental regulation,
policymaking for natural hazards and
disasters

Current research:

Environmental and other problems that span
multiple areas of policy and the challenges of
creating and sustaining policy regimes to
address them.

One recent publication:

- "Policy Regime Perspectives: Policies, Politics, and Governing," 2013. *Policy Studies Journal* 41(3): 426-452; Peter J. May and Ashley E. Jochim.



Environmental Hazards – Board Members 2019

John McAneney

Managing Director, Risk Frontiers
Professorial Fellow, Faculty of Science and Engineering
Risk Frontiers, Macquarie
University, NSW 2109, Australia
Email: john.mcaneney@mq.edu.au

Interests

Quantitative risk analysis, natural hazards and their impacts on the built environment and communities, probabilistic modelling, climate change, insurance

Current research areas

The pricing and the insurability of natural hazard risks; probabilistic modelling and decision-making in respect to the management of these risks; community risk reduction.



One recent publication

- Coates, L., Haynes, K., O'Brien, J., McAneney, J., and Dimer de Oliveira, F. (2014) Exploring 167 years of vulnerability: an examination of extreme heat events in Australia 1844-2010. *Environ. Sci. and Policy*, 42:33-44.

Environmental Hazards – Board Members 2019

Tara McGee

Professor, Human Geography
Department of Earth and Atmospheric Sciences,
1-26 Earth Sciences Building
University of Alberta, Edmonton, Alberta
Canada, T6G 2E3
Email: Tmcgee@ualberta.ca



Interests

Natural hazards, wildfires, disaster risk reduction

Current research areas

First Nations wildfire evacuation; recent wildfire experiences; wildfire mitigation and preparedness; use of knowledge in wildfire and flood risk mitigation

One recent publication

- McGee, T.K., McFarlane, B.L. & Tymstra, C. (2015). Wildfire: A Canadian Perspective. In *Wildfire Hazards and Disasters*, Paton, D., Shrader, J. (eds.). Elsevier. Pp 35-58.

Environmental Hazards – Board Members 2019

Blythe Mclennan

Research Fellow, Centre for Risk and Community Safety, School of Mathematical and Geospatial Sciences

RMIT University, GPO Box 2476

Melbourne VIC, 3001, Australia

Email: blythe.mclennan@rmit.edu.au

Interests

Natural hazards; disaster governance, policy and management; community resilience; natural resource management; environmental planning and policy

Current Research Areas

Disaster volunteering and community resilience
Community-led disaster preparedness
Shared responsibility in risk management

One recent publication

- Mclennan, B. and M. Eburn, 2015. Exposing hidden-value trade-offs: sharing wildfire management responsibility between government and citizens. *International Journal of Wildland Fire* (24): 162-69. DOI: 10.1071/NVF12201



Environmental Hazards – Board Members 2019

Marilu Melo

Lecturer Environmental Humanities
School of Humanities and Languages
The University of New South Wales
Room 361, Morven Brown Building
Sydney, NSW 2052, Australia
Email: m.melozurita@unsw.edu.au

Interests

Disasters governance, emergency management, community engagement and participation, risk management of underground spaces, feminism and Disaster Risk Reduction

Current Research Areas

- Tunnel workers and risk assessment
- Community engagement and participation
- Feminists approaches to Disaster Risk Reduction



Recent Publications

M Melo Zurita, B Cook, D Thomsen, P G Munro, T Smith and J Gallina, "Living with Disasters: Social Capital for Disaster Governance" *Disasters* 42:3 (2018): 571-589.

Environmental Hazards – Board Members 2019

Burrell Montz

Professor and Chair, A-228 Brewster
Department of Geography, Planning
and Environment, East Carolina
University Greenville, NC 27858, USA
Email: montzb@ecu.edu

Interests

Hazard management and mitigation,
decision- making under uncertainty,
emergency management, environmental
planning

Current Research Areas

Emergency Management Decision-making
Vulnerability to sea level rise and coastal
hazards Public understanding of flood and
coastal risk
and uncertainty

One recent publication

- Pace, W. and B.E. Montz. 2014. Category change and risk perception: Hurricane Irene and coastal North Carolina. *Journal of Emergency Management* 12(6): 467-477.



Environmental Hazards – Board Members 2019

Rade Thomas Musulin

Chief Executive Officer, FB Alliance Insurance
1501 East Woodfield Road
Schaumburg, Illinois, USA 60173-5422
Email: rmusulin@sprynet.com



Interests

Climate change adaptation, contribution of demographic changes to extreme loss exposure, optimizing the structure of government disaster pools, disaster risk reduction, catastrophe modeling, and applying tools from the insurance industry to land use planning and building code development..

Current research areas:

Changing the paradigm used to evaluate building codes and land use policies from a deterministic one focused on life safety to a stochastic one able to handle changing conditions over the design life of the building, subject to uncertainty as to the future state, and considering the economic costs of extreme disasters.

One recent publication:

- McAneney, J., Crompton, R., McAneney, D., Musulin, R., Walker, G., Pielke, R., *Market-based Mechanisms for Climate Change Adaptation*, National Climate Change Adaption Research Facility (Australia), September 2013.

Environmental Hazards – Board Members 2019

Ilan Noy

Chair in the Economics of Disasters & Professor of Economics

Victoria University of Wellington,

POB 600, Wellington, New Zealand

Email: ilan.noy@vuw.ac.nz



Interests

The Economics of Disasters and Climate Change,
Development Economics

Current research areas

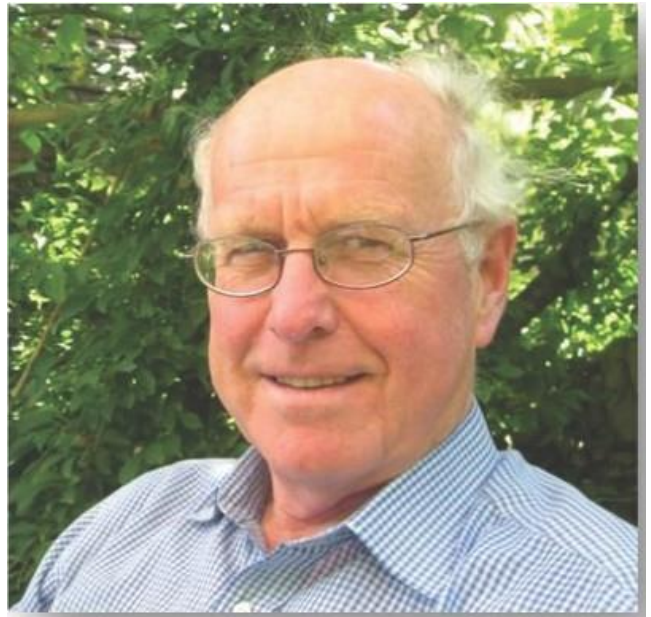
Macroeconomic and microeconomic impacts of disasters, catastrophe insurance markets, the economics of seismic resilience

A recent publication: “At the Very Edge of a Storm: The Impact of a Distant Cyclone on Atoll Islands.” with Tausi Taupo. *Economics of Disasters and Climate Change* (2017), 1(2), 143-166.

Environmental Hazards – Board Members 2019

Edmund Penning-RowSELL

Professor and Pro Vice-Chancellor
Middlesex University, The Burroughs, London,
NW44BT. and:
Oxford University, Department of Geography
South Parks Road, Oxford.
Email: Edmund@penningrowsell.com



Interests

Flood hazards, risk assessment;
distributional impacts; environmental
planning and policy

Current research areas

National risks of flooding; flood insurance;
risk communication; vulnerability to sea level
rise and coastal hazards; funding of natural
hazard mitigation

One recent publication

- Penning-RowSELL, E.C., Priest, S. and Johnson, C. (2014) The evolution of UK flood insurance: incremental change over six decades, *International Journal of Water Resources Development*, 30(4), 694-713.001: 10.1080/07900627.2014.903166

Environmental Hazards – Board Members 2019

Roger Pielke, Jr.

Center for Science and Technology Policy Research
1333 Grandview Avenue
Campus Box 488
Boulder, CO 80309-0488, USA
pielke@colorado.edu

Interests

The role(s) of science in policy and politics;
origins of V. ealth; innovation policy

Current research areas

Politics; innovation policy; governance

One recent publication:

- Mohleji, S and R Pielke (2014).
Reconciliation of Trends in Global
and Regional Economic Losses from
Weather
Events: 1980-2008. *Nat. Hazards*
Rev. 15



Boris Porfiriev

Deputy Director for Research and Head of the Laboratory for analysis and forecasting of natural and technological hazards to economic development, Institute for Economic Forecasting Russian Academy of Sciences, Nakhimovskiy prospekt, 47 117418 Moscow RUSSIA
Email: b_porfiriev@mail.ru

Interests

Disaster policy, risk assessment, economics of disasters (loss evaluation, recovery costs), economics of climate change

Current research areas

National risks of flooding; flood insurance; risk communication; vulnerability to sea level rise and coastal hazards; funding of natural hazard mitigation

One recent publication

- Evaluation of human losses from disasters: The case of 2010 heat waves and forest fires in Russia. *International Journal of Disaster Risk Reduction*, 2014, Vol. 2, No 7, p. 91-99 <http://dx.doi.org/10.1016/j.ijdr.2013.12.007>



Environmental Hazards – Board Members 2019

Sally Priest

Associate Professor and Senior Research Fellow,
Flood Hazard Research Centre, Middlesex University, The Burroughs, London, NW4 4BT
Email: S.Priest@mdx.ac.uk

Interests

Flood risk management and governance, flood warning and risk communication, disaster risk reduction, recovery from disasters

Current research areas

Flood risk governance and policy, flood insurance, coastal hazard vulnerability.

One recent publication

- Penning-Rowsell, E.C and Priest, S.J. (Forthcoming) Sharing the burden: who pays for flood insurance and flood risk management in the UK, Submitted to *Mitigation and Adaptation Strategies to Global Change*
<http://link.springer.com/article/10.1007%2Fs11027-014-9622-z>



Environmental Hazards – Board Members 2019

Adam Rose

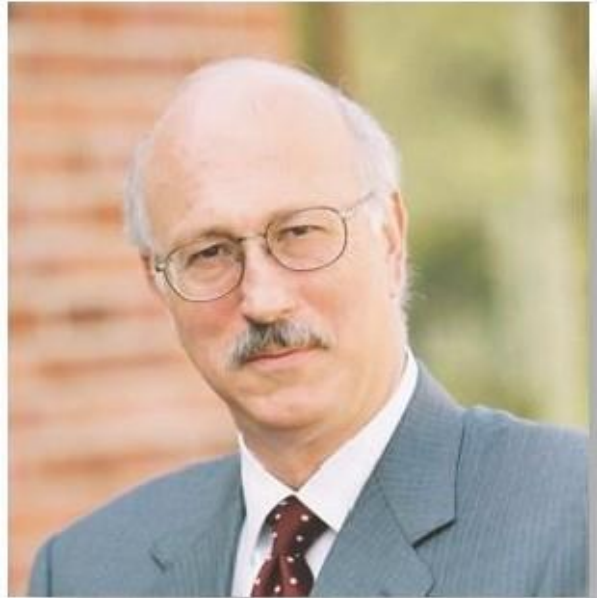
Research Professor, USC Price School of Public Policy Coordinator for Economics, Center for Risk and Economic Analysis of Terrorism Events (CREATE) at Sol Price School of Public Policy, University of Southern California.
E-Mail: Adam.Rose@usc.edu

Research interests

Natural hazards and disasters (earthquakes, hurricanes, tsunamis); terrorism (including bioterrorism); climate change policy in the Western U.S., European Union and Pacific Rim

One recent publication

- Nelson, H., Rose, A., Wei, D., Peterson, T., & Wennberg, J., Intergovernmental Climate Change Mitigation Policy: Theory and Outcomes; *Journal of Public Policy*, 35(01): 97 • 136. DOI: 10.1017/S0143814X14000117, Published online: 12 May 2014; 2015.



Environmental Hazards – Board Members 2019

Atta-ur Rahman

Associate Professor and Coordinator Geomatics Programme,
Department of Geography,
University of Peshawar,
Peshawar 25120, Pakistan
Fax: (+92) 91-9216470
Email: atta-ur-rehman@uop.edu.pk

Interests

Environmental Geography, Applied Geomorphology,
Urban & Regional Planning

Current Research Areas

Flood risk assessment, Climate Extremes, Urban
Disasters and Resilience

One recent publication

- Rahman A, Dawood M. 2017. Spatio-statistical analysis of temperature fluctuation using Mann-Kendall and Sen's Slope approach. *Climate Dynamics*, 48(3), 783-797



Environmental Hazards – Board Members 2019

Alka Sapat

Associate Professor, School of Public Administration
Florida Atlantic University
Social Sciences Building, Room 301 B
777 Glades Road, Boca Raton FL 33431,
USA Email: asapat@fau.edu

Interests

Natural hazards, environmental policy and planning, environmental justice, disaster and crisis management, federalism and environmental management, and social network analysis.

Current research areas

Displacement by Disasters and Climate Change; Environmental Governance; Post-Disaster Housing

Recent publications

- Sapat A. and A-M Esnard. 2013. Transboundary Impacts of the 2010 Haiti Earthquake Disaster: Focus on Legal Dilemmas in South Florida. *Ofiati Socio-Legal Series [Online]*, 3 (2), 254-276.
- Esnard, A-M and A. Sapat. 2014. *Displaced by Disasters: Recovery and Resilience in a Globalizing World* (Routledge Press: Taylor and Francis).



Environmental Hazards – Board Members 2019

Zita Sebesvari

Head of Section
Environmental Vulnerability and Ecosystem Services
(EVES)
United Nations University
Platz der Vereinten Nationen 1
53113 Bonn, Germany
Tel + 49-228-815-0207
sebesvari@ehs.unu.edu

Interests

Coastal vulnerability and adaptation, vulnerability and risk of social-ecological systems, ecosystem-based approaches

Current Research Areas

Vulnerability to sea level rise and coastal hazards, ecosystem-based disaster risk reduction and adaptation, resource degradation and disaster risk identification of ecosystem-based solutions

One recent publication

Hagenlocher, Michael, Renaud, Fabrice G., Haas, Susanne and Sebesvari, Zita (2018). Vulnerability and risk of deltaic social-ecological systems exposed to multiple hazards. Science of the Total Environment, 631-632, 71-80.



Environmental Hazards – Board Members 2019

Greg Simons

Associate Professor
Institute for Russian and Eurasian Studies
Box 514
SE-751 20 Uppsala
Sweden
Email: greg.simons@ires.uu.se

Interests

Crisis communication, political communication, international relations, armed conflict

Current Research Areas

Crisis communication (emphasis on political and armed conflict)

International relations, geopolitics and global political communication

Use of influence and persuasion techniques on public opinion and perception

Crisis management and crisis communication in post-Soviet space

One recent publication

- Simons, G., Kapitonenko, M., Lavrenyuk, V. & Vlaeminck, E. (Editors), *The Politics and Complexities of Crisis Management in Ukraine: A Historical Perspective*, London: Taylor and Francis, 2017.



Environmental Hazards – Board Members 2019

Jacob Songsore

Retired Professor on contract appointment,
Department of Geography and
Resource Development,
University of Ghana,
Legon-Accra , Ghana
Email: jsongsore@ug.edu.gh
jacobsongsore@gmail.com

Interests

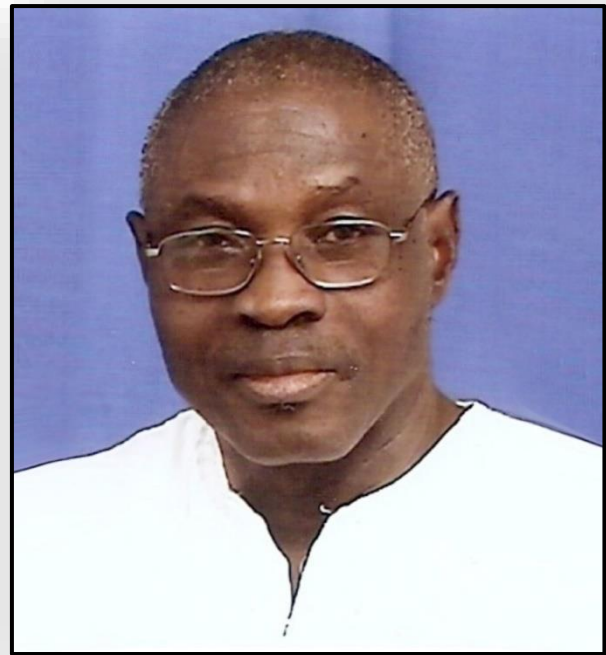
Urban and Rural Regional Development in the
Context of Structural Adjustment and
Globalisation; Urban Environmental Health;
Gender and Environmental Care; and the
Analysis of Urban Risks.

Current Research Areas

Analysis of Urban Risks

One recent publication

The Complex Interplay between Everyday Risks and Disaster Risks: The Case of the 2014 Cholera
Pandemic and 2015 Flood Disaster in Accra, Ghana,
International Journal of Disaster Risk Reduction, 26(2017): 43-50.



Environmental Hazards – Board Members 2019

Karen Sudmeier-Rieux

Senior Researcher, University of Lausanne
Faculty of Geoscience and Environment
Institute of Earth Science
Geopolis-3347
1015 Lausanne, Switzerland
Email: karen.sudmeier-rieux@unil.ch

Current research areas

Ecosystem based disaster risk reduction and climate change adaptation, community based disaster risk reduction, resilience indicators, migration- disaster interactions, Nepal.

One recent publication

- Sudmeier-Rieux, K. (2014) Resilience-an emerging paradigm of danger or of hope? *Disaster Prevention and Management*, Volume 23, issue 1, pp. 67- 80



Environmental Hazards – Board Members 2019

John Tiefenbacher

Professor, 361 Evans Liberal Arts
Department of Geography, Texas State University
San Marcos, TX 78666, USA.
Email: tief@txstate.edu

Interests

Hazards & Disasters, Response to Climate Change,
Environmental Geography, Geography of Viniculture,
Historical Environmental Geography, Genealogy & GIS

Current research areas

Spatial Responses to Climate Change, Results of Disaster
Recoveries, 19th Century Immigrant Geographies

Recent publications

- Tiefenbacher, John P. 2014. "Urban Hazards." in *Cities of North America: Contemporary Challenges in U.S. and Canadian Cities*, Lisa Benton-Short, ed., pp. 335-376. Rowman and Littlefield. ISBN 978-1-4422-1313-5.
- Tiefenbacher, John P., Editor. 2013. *Approaches to Disaster Management- Examining the Implication of Hazards, Emergencies and Disasters*. Rijeka, Croatia: InTech. ISBN 978-953-51-1093-4. [Open source]



Environmental Hazards – Board Members 2019

Juha I. Uitto

Director, Independent Evaluation Office
Global Environment Facility
1818 H Street, NVV, Washington, DC 20433, USA
Email: juitto@thegef.org

Interests

Environmental management and policy,
environmental risk and hazards, vulnerability and
adaptation, international development, evaluation

Current research areas

Evaluation of global environmental strategies,
policies and programs, natural resources
management, and climate change

One recent publication

- Uitto, J.I., ed. (2014). *Evaluating Environment in International Development*. London and New York: Routledge. ISBN 978-0-415-74289-4



Environmental Hazards – Board Members 2019

Coleen Vogel

Distinguished Professor, Global Change and Sustainability. Research Institute and School of Plants, Animals and Environmental Sciences, University of the Witwatersrand
1 Jan Smuts Avenue, Braamfontein, Johannesburg. Email: coleen.vogel@wits.ac.za

Interests

Climate change adaptation, disaster risk reduction, social learning and transdisciplinarity.

Current research areas

Climate change adaptation: including disaster risk reduction – applying various approaches and methods (e.g. areas of interest droughts, floods and urban flood risks, science/practice/policy interface).



One recent publication

- O'Brien, K., Reams, J., Caspari, C., Dugmore, A., Faghihimani, M., Fazey, I., Hackmann, H., Manuei-Navarrete, D., Marks, J., Miller, Raivio, K., Romero-Lankao, P., Virji, H., Vogel, C., and Winiwarter V. (forthcoming). You Say you want a Revolution? Transforming Education and Capacity Building in Response to Global Change. *Environmental Science & Policy*. 2013, <http://dx.doi.org/10.1016/j.envsci.2012.11.011>.

Environmental Hazards – Board Members 2019

Peter Walker

Dean, Falk School of
Sustainability
Chatham
University
Woodland Rd, Pittsburgh PA
15232, USA Email:
pwalker@chatham.edu

Interests

Humanitarian crises, Sustainable agriculture systems, sustainable development.

Current research areas Sustainable development

One recent publication

- Cranmer, H. Chan, J. Kayden, S. Musani, A. Gasquet, P. Walker, P.J.C. Burkle, F. Johnson, K. "Development of an Evaluation Framework Suitable for Assessing Humanitarian Workforce Competencies during Crisis Simulation Exercises" *Prehospital and Disaster Medicine* Vol 29, No 1. P69-74 (February 2014)



Environmental Hazards – Board Members 2019

Ben Wisner

Researcher, UCL Hazard Research Centre,
University College London & Environmental
Studies Program, Oberlin College.
Advisor to Global Network of Civil Society
Organisations for Disaster Reduction
Email: bwisner@igc.org

Interests

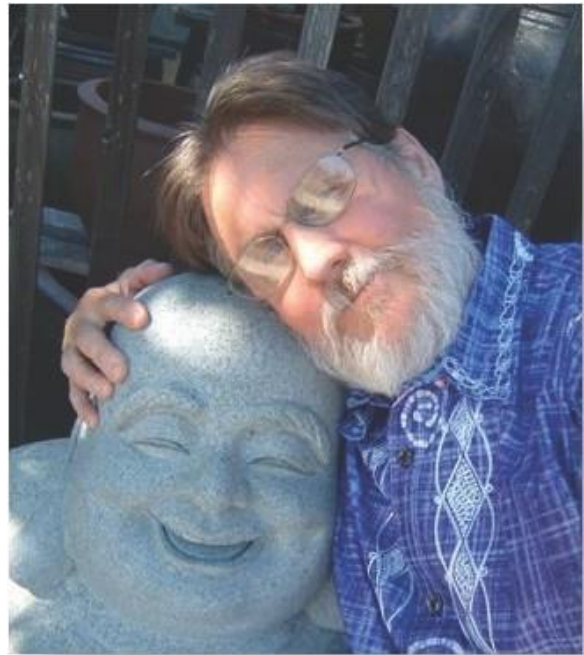
Root cause (forensic) analysis of disaster;
community- based disaster risk reduction
methodologies; local government; links among
health, livelihood, climate and disaster risk; low
and medium income countries

Current research areas

Farmer, herder & fisher adaptation to climate
change in northeastern Tanzania; earthquake
recovery & risk reduction in Nepal & Bihar,
India; everyday risks

One recent publication

- B. Wisner, J.C. Gaillard and I. Kelman, *Major Works in Disaster Risk Management and Risk Reduction*, 3 Volumes, Major Works Series, London: Routledge, 2015.



Environmental Hazards – Board Members 2019

Josh Whittaker

Research Fellow
University of Wollongong
Northfields Avenue, North Wollongong
New South Wales, 2500
Email: wjoshua@uow.edu.au

Interests

Bushfire/wildfire hazards; vulnerability assessment;
discourse analysis.

Current Research Areas

Vulnerability to bushfire hazards; risk communication;
community preparedness and risk mitigation; cost
benefit analysis of bushfire risk management.

One recent publication

- Whittaker, J., Blanchi, R., Haynes, K., Leonard, J. and Opie, K. (2017) Experiences of sheltering during the Black Saturday bushfires: implications for policy and research. *International Journal of Disaster Risk Reduction* 23, 119-27. <http://dx.doi.org/10.1016/j.ijdrr.2017.05.002>

