
Cheryl L. Anderson, PhD



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Nationality:

United States of America

Visa status:

New Zealand Resident

AREAS OF EXPERTISE

Disaster Risk Reduction Planning and Policy, Climate Adaptation Planning, Climate and Disaster Risk Management, Gender-Responsive Disaster Risk Reduction and Policy, Collaborative Research Design and Implementation, Socioeconomic Assessment and Monitoring, Asia-Pacific Region

ACADEMIC QUALIFICATIONS

Ph.D., UNIVERSITY OF HAWAI'I AT MANOA (Honolulu, HI), 2005
Political Science: Public Environmental/Disaster Risk Management Policy
Dissertation: Decolonizing Disaster: A Gender Perspective of Disaster Risk Management in the US Pacific Islands (GPA 4.0)

Master's Degree, UNIVERSITY OF HAWAI'I AT MANOA (Honolulu, HI), 1996
Urban and Regional Planning, with focus on Community & Environmental Planning (GPA 4.0)

Graduate Ocean Policy Certificate (Minor Degree), UNIVERSITY OF HAWAI'I AT MANOA (Honolulu, HI) Courses in Environmental & Coastal Law, Climate Change, Oceanography, Marine Biology, and Marine Economics, 1996 (GPA:4.0)

East-West Center Degree Fellow & Leadership Certificate, EAST-WEST CENTER (Honolulu, HI), 1996

Bachelor of Arts Degree., POMONA COLLEGE (Claremont, CA) International Relations, 1990; *Thesis:* The Impact of Selectively Controlled Internationalization in the People's Republic of China (Grade: A)

PROFESSIONAL EXPERIENCE

Director, LeA International Consultants, Ltd, Wellington, New Zealand, 2015- ongoing.

Co-developed the firm in 2015 to work on climate and disaster risk reduction and resilience in the Asia-Pacific region. Expands on experience and collaboration with international agencies and organizations, including the World Bank, US NOAA, ADPC, USAID, WMO, UNISDR, SPREP, and R3ADY Asia-Pacific.

Director, Hazards, Climate & Environment Program, University of Hawai'i Social Science Research Institute (2004 – 2016); Program Manager, (1996-2004) – Secured and managed more than \$3.5 million project funds related to research, planning, and policy on climate variability and change, hazard mitigation and disaster risk reduction, and environmental

LANGUAGES

English-native/fluent,
Woleaian (western Carolinian) - high,
Mandarin Chinese-medium,
French-medium,
Hawaiian-low

CERTIFICATIONS

- ◆ International Review Board (IRB) Human Studies Certification, Collaborative Institute Training Initiative (CITI) – 2016-2019
- ◆ IRB Basic Information Security, CITI, 2016-2019
- ◆ American Institute of Certified Planners, 2000 – 2012
- ◆ National Environmental Preservation Act (NEPA) and Historic Preservation training for Emergency Management, April 21-23, 2009. Certified credits from the Emergency Management Institute, Federal Emergency Management Agency.
- ◆ Gender Training of Trainers, November 27- December 1, 2008, Global Gender and Climate Alliance (GGCA). Certified as a Gender Trainer for Climate issues.
- ◆ Benefit-Cost Analysis for Disaster Mitigation, Federal Emergency Management Agency, January 2007 and September 2005.
- ◆ Community Emergency Rescue Training (CERT), 2004
- ◆ Coastal Construction Training, Federal Emergency Management Agency, conducted in conjunction


management. Responsible for documents and reports that had implications for State and County budgets and facilities worth more than \$250 million for recovery. Authored plans, technical reports, international policies, and peer-reviewed publications. Participated in local, regional, and international governmental policy advisory committees. As part of understanding native American ancestry, work has focused on integrating gender and indigenous knowledge perspectives in risk reduction and adaptation policies, plans, and actions.

Hazards – Disaster Risk Reduction

Researcher, Project Lead, UH Secretariat for the Asia-Pacific Disaster Risk Reduction and Resilience network (APDR3), 2012-2016. Project work with Universitas Gadjah Mada on landslide early warning systems and ways to scale the implementation of DRR-based early warning systems with an emphasis on building resilience; Tohoku University on social science and lessons learned from tsunami disasters; the International Research Institute for Disaster Science (IRIDeS) on integrated science and gender; Japan Women’s Disaster Network on gender and disaster issues for the World Conference on Disaster Reduction, Sendai, March 2015.

Principal Investigator, Planner, and Project Researcher for the **County of Kaua’i Multi-Hazard Mitigation and Resilience Plan, 2015 Update**. Conducted and updated the risk and vulnerability assessment for multiple hazards using GIS mapping. Briefed government officials and secure Mayor’s support for plan development, adoption, and implementation. Conducted community meetings. Identified capacity, including actions for risk reduction and resilience in communities. Convened multiple participatory planning workshops---community-based and governmental---conducted to develop strategies and policies, actions, and finalize plans adopted by highest levels of government to ensure disaster funding, 2001- present. Reviewed sectors and hazards and identify project needs; Developed approved Plan 2003; 2010 Update, May 2009 – August 2010; **2015 Update**, August 2014 – Sept 2015.

Principal Investigator and Project Researcher for the **State of Hawai’i Disaster Public Awareness Campaign**. Develop public awareness materials for the public working with artificial intelligence expert systems. December 2008 – December 2010.



with the ASCE Solutions to Coastal Disasters Conference, 2002.

- ◆ Participatory Learning and Action Workshop, Ottawa, Canada, June 21-26, 1999. Included field research and intensive practicum.
- ◆ Learning to Lead Collaboratively & Strategic Planning Training, Honolulu, HI October 1998 and December 1999. Training in facilitation and strategic planning.
- ◆ DreamWeaver internet site design and development course, April 2001.
- ◆ Basic ArcView (Geographic Information Systems software) course taken from the ESRI online classroom, Spring 1999.
- ◆ SAS, SPSS statistical programs, 1995
- ◆ Pacific Island Disaster Management and Hazard Mitigation Training, sponsored by the US Federal Emergency Management Agency (FEMA) in Guam, 1993.
- ◆ PADI Open Water (1992) and Advanced (1995) Diver

PROFESSIONAL AFFILIATIONS AND MEMBERSHIPS

- ◆ External Research Affiliate, Joint Centre for Disaster Research, Massey University, 2013 – ongoing.
- ◆ Gender Expert Affiliate, IUCN, appointed October 2013 - ongoing.
- ◆ Steering Committee, Pacific Islands Climate Change Cooperative, 2010 – ongoing; Member, Integrated Science Planning working group, 2010-2012; Member, Cultural Resources and Communities working group, 2010-2012.

Principal Investigator and Project Researcher for the **State of Hawai'i Hazard Mitigation Gap Analysis and Multi-Hazard Mitigation Plan Update 2007 and 2010**. Conducted a multi-hazard risk and vulnerability assessment. Worked with engineers to refine and develop methods for structural risk and vulnerability assessment to provide prioritization for critical facilities based on damage and functionality losses for the State of Hawai'i. Reviewed sectors and hazards and identified policy, program, and mitigation actions. Developed multi-hazard mitigation policies with experts and agency directors. Developed language for executive orders by the Governor adopting the plan. Approved plan is required to receive funding assistance should a disaster occur. June 2007 – October 2010.

Project Director and Co-Investigator for the **University of Hawai'i System-wide Multi-Hazard Mitigation Plan** to develop best practices, policies, and projects to reduce hazard impacts in the UH system. September 2005 – December 2010.

Co-Convener and Planner/ Co-Investigator for the **Gender Equality and Disaster Risk Reduction Workshop**, convened 8-10 August 2004. Sought sponsorship and received funding from the US Agency for International Development Office of Foreign Disaster Assistance, the US Department of Agriculture, the National Science Foundation, the East-West Center/Pacific Disaster Center, the Center of Excellence in Disaster Management and Humanitarian Assistance, and the National Oceanic and Atmospheric Administration. Proceedings (for which Dr. Anderson was the primary author) are available online:

www.ssri.hawaii.edu/research/GDWwebsite. Workshop results and Honolulu Call to Action presented in Kobe, Japan to the World Conference in Disaster Reduction, January 2005, and led to inclusion of gender and traditional knowledge included in the Hyogo Framework for Action international policy agreed to by UN-participating governments.

Project Manager and Planner (primary author) /Co-Investigator for **Hawai'i State Multi-Hazard Mitigation Plan** (hazard mitigation planning), approved October 2004. Coordinated briefings with county government agencies, private utilities and businesses, and non-governmental organizations for the development of the Statewide Risk and Vulnerability Assessment and the Hazard Mitigation Plan. Plan builds on county planning efforts and has

- ◆ PaCIS Steering Committee, 2011-2013; Chair, Research & Assessment Working Group, Pacific Climate Information System (PaCIS), 2007-2011.
- ◆ Policy Advisor and Trainer, Global Gender and Climate Alliance, 2008-present.
- ◆ Executive Board Member (Navigator) of the Pacific Risk Management 'Ohana (PRiMO), a collaboration of disaster risk management agencies and organizations in the Pacific Islands region, 2003 – present. Chairperson, PRiMO Risk Assessment and Post Disaster Evaluation Hui (working group), 2004 – 2009.
- ◆ State Hazard Mitigation Forum, 2004-2012; Chair, Public Awareness committee, 2007-2011.
- ◆ Graduate Faculty Affiliate, University of Hawaii Department of Urban & Regional Planning, August 2006 – present

RECOGNITION & AWARDS

- ◆ Third Global Congress of Women in Politics and Governance, Gender in Climate Change and Disaster Risk Reduction, 22 October 2008.
- ◆ Reviewer, Nobel Award-winning Intergovernmental Panel on Climate Change 2007 Fourth Assessment Report. National Plan Exemplar, County of Kauai Hazard Mitigation Strategy, FEMA, 2003.
- ◆ Leadership Certificate, East-West Center, 1996.
Fellowship, East-West Center, Honolulu, HI, USA, 1994-1996.
- ◆ Certificate of Service, Yap State Government, Federated States of Micronesia, 1994.

involved review and input by the Multi-Hazard Scientific Advisory committee of the Statewide Hazard Mitigation Forum---a group of experts representing knowledge across the state that advise the Hawai'i State government on hazard mitigation planning.

Project Manager and Planner/Co-Investigator/Primary Author for **Kaua'i Project Impact Hazard Mitigation Strategy** (hazard mitigation planning), Jan 2001- Sept 2003. Coordinated County development of Risk and Vulnerability Assessment used in developing the Hazard Mitigation Strategy. (Project Impact is a US federal initiative through the Federal Emergency Management Agency (FEMA) to help communities prepare for and mitigate the impact of disasters.) Plan chosen by FEMA Region IX as the model for county plans. Advised council members and Mayor's cabinet on disaster management policies.

Author, **County of Kaua'i Natural Hazard Risk and Vulnerability Assessment and Mitigation Workbook**, December 2002.

Workbook developed to provide some education and assistance for communities in preparing hazard mitigation plans.

Project Manager and Team member for the **Hawai'i State Hazard Mitigation Forum's Public Awareness Campaign**

(www.mothenature-hawaii.com). Made presentations at conferences and press conferences, 2000-ongoing. Oversee ongoing maintenance of website and updates. Used the website in providing mitigation planning tips and examples for other counties (and states). Website allows for public review, comment and input into the planning process.

Project Manager for a **Mitigation Survey for Maui Project Impact** (hazard mitigation planning), Nov 1999-Dec 2000. Assisted with development of Risk and Vulnerability Assessment and Hazard Mitigation Strategy. Made presentations at Project Impact Summit, Washington, DC, Nov 2000 and Maui Strategy Workshop, Oct 2000.



Climate

Principal Investigator, “**Assessing and building adaptive capacity to address climate change impacts on fishing communities and fishing resources in Micronesia**,” September 2016-August 2018.

Principal Investigator, “**Designing a Framework to Address Climate Impacts on Cultural Resources**,” for the National Park Service and the Pacific Island Climate Change Cooperative through the Cooperative Education Studies University (CESU) task agreement, Sept 2010 – December 2013. Will provide a tested framework for working with stakeholders in managing cultural resources at risk from climate impacts for islands. Will identify policy implications from a range of adaptation actions.


Principal Investigator, “**Integrating Socioeconomic Assessments to Build Community Resilience in Mitigating Drought**,” with investigations in the communities of Hawai’i Island and Hanalei, a social network analysis of the water resources and agricultural sector, and the ways that drought impacts these relationships, October 2009 – ongoing. Will provide policy advice for the Hawai’i Commission on Water Resources Management and enhancements to drought and multi-hazard mitigation plans.

Principal Investigator and Project Researcher from the University of Hawai’i for the social science research of the **Pacific Regional Integrated Science and Assessment Project (RISA) on climate variability and change**, funded by the National Oceanic & Atmospheric Administration Climate Program Office to the East-West Center (Region includes Hawai’i, American Samoa, Northern Mariana Islands, Guam, Palau, Federated States of Micronesia, and the Marshall Islands), June 2005 – June 2012. Vulnerability and capacity assessment to address climate-related hazards in the US affiliated Pacific Islands (State of Hawaii, Territories of Guam and American Samoa, Commonwealth of the Northern Mariana Islands, Federated States of Micronesia, Republic of the Marshall Islands, Republic of Palau). Briefings on climate impacts and policy issues to Presidents/Governors committees in each jurisdiction, 2005-2006. Co-organize Video-teleconference dialogues on Climate Change, Water Impacts, and Indigenous People, 2008-ongoing, that has established relationships with Native American tribal governments and leaders working on climate risk reduction, including participation in the American Indian Alaska Native Climate Change Working Group and the development of the Mystic Lake Accord presented to the UNFCCC as a statement from indigenous people on climate change at COP-15 in Copenhagen. Presentations to NPS, Nov 2006, Honolulu regional meeting; 21-22 Feb 2007 Climate Friendly Parks, Hawai’i Volcanoes National Park, facilitated breakout session on adaptation. Climate Training Institute, course preparation, held in Suva, Fiji June 2004. Conducted series of Climate Variability and Change Workshops in US-affiliated Pacific Islands, 2005-2006, that resulted in prioritization for climate-related research, technology, and planning needs.

Collaborator/Facilitator/Trainer for the Extreme Climate Events Peer Review Program for the Philippines, Viet Nam, and Indonesia with the Asian Disaster Preparedness Center, 2000.

Project Manager /Facilitator/Trainer for the **ENSO Impacts on Water Resources in the Pacific Island Region Workshop** held in Nadi, Fiji, October 2000. Part of team that designed and facilitated simulation exercises for disaster managers, water resource managers and hydrologists, and climatologist/ meteorologists. Provided policy guidance to Pacific leaders through the South Pacific Applied Geoscience Commission and Forum Secretariat.

Project manager/Author/Facilitator/Trainer for the **ENSO Impact Assessment Manual** developed with support from the Center of Excellence for Disaster Management and Humanitarian Response, Tripler, the NOAA Office of Global Programs, the UN Environment Programme, the UN Development Programme, and the South Pacific Applied Geoscience Programme (SOPAC), as part of two local and regional drought impact workshops held in the Fiji Islands, 1999-2001. Authored several chapters, coordinating document presentation with two co-authors, and revised final document based on extensive reviews and comments.



Facilitator/Trainer for the **West Africa Climate and Health Interactions Workshop**, Niamey, Niger, 15- 19 May 2001. The workshop focused on building understanding among scientists, user communities, and the public health sectors to improve climate forecasting to mitigate health impacts in West African countries. Designed simulation activity. Coordinated by NOAA's Office of Global Programs with the World Meteorological Organization for the African Centre for Meteorological Applications Development (ACMAD).

Organizer, Researcher, Author for the **Climate and Coastal Island Communities Assessment**, Workshop convened 5-8 November 2000, as part of the team for National Assessment for the Consequences of Global Climate Change and Climate Variability in the Pacific Region (with the Principal Investigator at the East-West Center). The workshop and research activities focused on building understanding among scientists, user communities, and cultural practitioners in areas such as disasters/public safety, water resources, public health, agriculture, and coastal ecosystems. Involved experts from the Pacific Islands and the Caribbean Islands. Integrated Traditional Ecological Knowledge (TEK) in approach. Presented working group results in plenary and to assessment report, 1999-2001, used to influence climate policies in the Pacific Islands. Used in consultations with Governors and legislators at State, Territorial, and National levels.

Organizer/Facilitator/Trainer for the **Impacts of Climate Change and Variability on Health in the Pacific Region Workshop**, July 2000, Apia, Samoa. Sponsored by the World Health Organization, the US Environmental Protection Agency, and NOAA's Office of Global Programs. Project used to advise Pacific leaders through the Forum Secretariat and inform the Intergovernmental Panel on Climate Change concerning island impacts from climate change.

Organizer/Facilitator/Trainer for the **West Africa Climate and Health Interactions Workshop**, Niamey, Niger, 15- 19 May 2001. Presented on climate forecasting and planning case study, designed simulation exercise, and facilitated breakout discussions.

Project Manager and Researcher for studies on the **Impacts of ENSO on Pelagic Fisheries**. Researched and Co-authored the **Impact of ENSO Events on Tuna Fisheries in the US-Affiliated Islands**, 1999, and the **Impact of Climate Variability on Pelagic Fisheries in the Pacific Islands**, April 1998 progress report. Documents used to advise Governors of Guam, Northern Mariana Islands, American Samoa, and Yap, and Presidents of the Federated States of Micronesia and Palau on fisheries management policies related to climate impacts.


Project Manager/ Facilitator /Trainer for the **1997-98 ENSO Impact Assessment on Fiji National Workshop** held in Nadi, Fiji, October 2000. Part of team that designed and facilitated workshop for multidisciplinary agencies and non-profit organizations to assess multi-sectoral impacts of the 1998 drought in Fiji, build awareness of climate variability and change, developed scenarios and simulation exercises, and trained in understanding climate forecast information and planning options. Prepared proceedings. Advised ministries and the Secretariat of the Pacific Forum on climate impacts.

Environment

Principal Investigator, Pacific Regional Ocean Partnership, 2011-ongoing. Development of a partnership to implement the US National Ocean Policy among US Pacific Islands.

Principal Investigator on the **Socioeconomic Assessment and Monitoring** project in **Marine Protected Areas** in Thailand, 2010-ongoing.

Collaborator/Researcher, **Hanalei Watershed Resilience Planning Process**. Coordinated with activities from hazards assessments and disaster planning, have been working with the Hanalei Watershed Hui to determine methods for integrated assessments and long-term resilience plans, 2010 - ongoing.



Project manager to update the **1999 US All Islands Coral Reef Initiative Strategy** by preparing a brochure and plan update briefing for the US Coral Reef Task Force Meeting. Designed web page.

Project manager for a review of the **Hawai'i State Ocean Resources Management Plan** with colleagues at the University of Hawai'i for the Coastal Zone Management Program, Office of Planning. Conducted interviews and prepared assessment report of ORMP implementation and recommendations.

Project manager for the **US All Islands Coral Reef Initiative Workshop**, July 1999. Coordinated and organized workshop held in San Diego, CA. Prepared final document and prepared executive summary of *The US All Islands Coral Reef Initiative Strategy*, September 1999, for the US All Islands Coral Reef Initiative Coordinating Committee, the Department of Interior and National Oceanic & Atmospheric Administration, for development of President Clinton's Executive Order on Coral Reef Protection. First US All Islands Coral Reef Initiative Workshop, September 1997. Organized content and facilitated workshop held in Maui, HI. Prepared summary report used as policy example at the National Ocean Conference, Monterey, CA, June 1998.

Researcher/Planner for the **Hawaii State Coastal Zone Management Enhancement Program Five-Year Evaluation and Plan**, 1997. Interviewed agency officials and participants in ocean and coastal programs, and determined recommendations for federal program funding. Coastal Hazard Mitigation was recommended as a high priority area, with funding for several projects.

Researcher for the **Profile of Pelagic Fisheries in American Samoa and the Commonwealth of the Northern Mariana Islands**. Interviewed and surveyed, and profiled pelagic fishing communities about pelagic fisheries in American Samoa and the Northern Mariana Islands, 1997-1999. Statistically analyzed data. Developed policy-relevant recommendations with government agencies for managing pelagic fisheries with respect to sociocultural needs.


Researcher/Facilitator for the **Kaho'olawe Island Ecological Restoration Plan**. Co-facilitated meetings, wrote reports, and assisted in development of the ecological restoration plan. Worked on behalf of the Kaho'olawe Island Reserve Commission (KIRC), 1997-1999. Assessed initial planting trials on Kaho'olawe with KIRC team, October 1998.

Project manager and organizer/facilitator for the **American Flag Pacific Islands Coastal Hazard Mitigation Workshop**, 1996, under contract from the Pacific Basin Development Council with funding from NOAA's Office of Ocean and Coastal Resource Management and the Federal Emergency Management Agency. Presented an overview of coastal erosion mitigation for Hawai'i. Compiled and edited the workshop proceedings, a description of relevant projects throughout the Pacific, building code surveys, and results of workshop discussions. Proceedings used as model for other coastal states.

Principal Investigator and Researcher, Pacific ENSO Applications Center (PEAC), University of Hawai'i Joint Institute for Marine & Atmospheric Research and the Social Science Research Institute (1998-2013)

Principal Investigator/Researcher – Coordinated research activities for the “Coping with Drought” funding from the NOAA Climate Program Office and the National Integrated Drought Information System for the Pacific Regional Integrated Science and Assessment Project, 2009-2013.

Researcher - Developed the *ENSO Socio-Economic Impact Analysis for the Pacific Islands*, August 1998, to improve drought mitigation and water resource capabilities. Conducted and organized workshops with scientists, government officials, decision-makers, and the public throughout the US-affiliated Pacific Islands and advised leaders on climate policies for reducing risks. PEAC was developed and funded as a joint venture from the NOAA Office of Global Programs, and successes demonstrated to Secretary of NOAA and Senators resulted in PEAC becoming an operational center



in the National Weather Service. Presentations and case studies made at several workshops, 1998–2001; 2004-2009.

Researcher/Facilitator - Peer Review Meeting for the **Extreme Climate Events Program** in the **Asian Disaster Preparedness Center**, 5-6 October 2000. Facilitated workshop and helped prepare agenda for Indonesia, Philippines, and Vietnam program participants working in meteorology/climatology, water resources, agriculture, and health. Co-authored the summary document and recommendations from the meeting. Advised national leaders in climate policy. September 2000 – January 2001.

University of Hawai'i at Mānoa (2006-present)

Graduate Research Faculty, Department of Urban & Regional Planning and the Social Science Research Institute, 2006-present.

Professor/Lecturer, PLAN 671/741 **Disaster Management: Understanding Natural Hazard Risk and Applications of Science for Planning**. Conducted course developed to link scientific and technical information about hazards to planning tools for developing mitigation plans. Developed and taught university graduate-level course on how to understand multi-hazard risks with an emphasis on understanding climate risks and using applications of data in plans to reduce risks, 18 weeks, Wednesday, 5:00-7:30pm, Spring 2007.

Professor/Co-Convener, **PLAN 741 Seminar in Disaster Management and Humanitarian Assistance for the Asia Pacific Initiative**. Developed course curriculum with course lecturer and conveners at 5 universities in the Pacific that met via video-teleconference to learn about disaster risks. Wednesday, 6:00-8:30pm, Fall 2006.

International Consultant on DRR and Climate Change (Roles as Policy Advisor, Workshop Organizer, Facilitator, and Trainer) (as part of projects, consultancies, positions, 1985-present)

Consultant for the **Japan Women's Network on Disaster Risk Reduction (JWNDRR)** with The Honorable Governor Akiko Domoto to develop a training and education initiative on integrating gender in disaster risk reduction, July 1, 2014 – June 30, 2015. Worked on strategy development for the WCDRR 2015, including the 6th AMCDRR in Bangkok, 22-26 June 2014, with presentation with The Honorable Governor Akiko Domoto. Included participation in the First and Second Preparatory Committee meetings for the WCDRR with the Women's Major Group (WMG). Keynote Speaker, Sendai Symposium on Gender and Diversity in Disaster Risk Reduction, June 14, 2014, Sendai, Japan hosted by the Mayor of Sendai, Emiko Okuyama.


Convener, **Gender and Disaster Workshop**, as part of the 7th Australasian Conference on Disaster Reduction, Wellington, New Zealand, September 15, 2014.

Consultant/Researcher on *gender* in climate programs and policies in Samoa for the World Bank Group as part of the **Pilot Programme on Climate Resilience (PPCR)**, 16 March 2012 – 30 September 2013. Research on gender differential impacts of climate change and mechanisms for organizing a gender monitoring program.

Consultant for IRG on gender, youth, and vulnerable populations for USAID proposal on implementing climate risk reduction programs in the Pacific Islands region, June 3-15, 2012.

Consultant/Policy Advisor/Trainer/Author for China's Ministry of Environment National Disaster Reduction Center and the Sichuan Government Party Leaders to integrate gender perspective into risk reduction policies and programs, Beijing and Chengdu, 13-17 December 2010.

Consultant/Policy Advisor/Trainer/Author for the three-day gender and climate **Training of Trainers on Gender in Disaster Risk Reduction and Climate Change** held in Hanoi, Viet Nam with Women's Environment and Development Organization (WEDO) and UNIFEM for the Global Gender and Climate Alliance (GGCA), May 24-28, 2010. Strategic advising for 2 days with government ministries



and NGOs (MONRE, MARD, NPA, VMU) on mainstreaming gender in programs and follow-up training activities. Developed new module for the GGCA ToT manual on gender and disaster risk reduction.

Consultant/Author/Trainer for the **Pacific Adaptation to Climate Change (PACC)** program based in the Secretariat of the Pacific Regional Environment Programme (SPREP) on developing guidelines for conducting Socioeconomic Assessment for the PACC (SEA-PACC), 2009-2010. **Socioeconomic Considerations in Climate Adaptation Planning**, training on socioeconomic methods and tools to use in identifying who will be at risk and who has greatest vulnerability, and to integrate this data into project planning to reduce climate risks and develop adaptation strategies as part of the Pacific Adaptation to Climate Change Technical Meeting, Suva, Fiji, October 5-8, 2009. Included overview of how to conduct a gender analysis. **Socioeconomic Assessment for the Pacific Adaptation to Climate Change (SEA-PACC) in Water Resources Training**, 15-19 November 2010. Provided policy guidance for adaptation plan implementation to Pacific Island ministries with responsibility for climate adaptation.

Consultant/Trainer – Co-trainer for **Gender and Climate Change Strategic Roundtable for the Alliance of Small Island States (AOSIS)** targeting decision-makers, participants and negotiators in international climate conferences held in New York, NY with UNDP for the Global Gender and Climate Alliance (GGCA), May 19, 2009.

Consultant/Trainer **Climate Change and Micronesia Challenge: Ways Forward in Collaboration and Adaptation workshop**, 14-17 April 2009, 2009-2010. Developed agenda, facilitated meeting and strategy sessions, presented background materials, and authored final report. Provided policy guidance and climate adaptation implementation actions looking at different funding scenarios and ways of integrating Traditional Ecological Knowledge in climate adaptation.

Consultant/Advisor for the United Nations Development Program Pacific Centre for increasing gender and TEK in programming, November 2007 and for the Forum on the Gendered Dimensions of Disaster Risk Reduction and Climate Change Adaptation, Suva, Fiji, February 2008. Primary author for subsequent publication, released May 2009.


Trainer - **Global Gender and Climate Alliance (GGCA)**, Training for UNFCCC delegates, Poznan, Poland, November 30, 2008. Member of advocacy group with COP-15 in Copenhagen, Denmark, December 2009. Presenter on Gender and Traditional Knowledge at COP-15 side event “Climate Days.”

Presenter/Trainer/Facilitator - **Forum on the Gendered Dimensions of Disaster Risk Reduction and Climate Change Adaptation**, Suva, Fiji, February 18-20, 2008, two-day workshop with following strategy meeting of key resource people. Developed agenda, presented key information, prepared background paper, developed background resource CD, prepared final proceedings, and authored publication resulting from meeting results. Participated in policy advisory group with key international agencies for implementing gender mainstreaming in risk reduction throughout the Pacific.

Consultant, Author, and Team Member for the development of the **Gender and Disaster Sourcebook**, Asia-Pacific regional resources, May 2006, www.gdnonline.org.

Consultant for the **Gender Needs Assessment** in Post-Disaster Recovery in Nanggroe Aceh Darussalam, Indonesia for the United Nations Development Fund for Women, August 2006 – present. Analysis of survey with women and focus groups with men conducted by agencies in Banda Aceh, Indonesia.

Gender and Disaster Trainer/Policy Advisor for the United Nations Bureau of Crisis **Prevention and Recovery** (BCPR) on gender and disaster risk reduction. Worked with an expert in Gender and



Conflict to develop a training session for staff in Geneva, Switzerland, 16-18 November 2005. Advised BCPR on ways to mainstream gender in global policy and program implementation to reduce disaster risks.

Principal Investigator/Convener/Presenter - ***Gender Equality and Disaster Risk Reduction***

Workshop, 8-10 August 2004. Designed agenda and breakout discussions, organized logistics, and wrote final proceedings and documents. Sponsored by USAID, USDA, and UNISDR. International workshop with results leading to the Honolulu Call to Action presented at the World Conference on Disaster Reduction (Kobe, Japan), which led to the Hyogo Framework for Action, which included gender in the disaster risk reduction framework.

Trainer - ***“Developing Risk and Vulnerability Assessments: Strategic Techniques & Applications Training,”*** 27 July 2004. Prepared training session for BUILDING THE FOUNDATION Leadership Seminar for Pacific Island Water Managers, East-West Center, Honolulu, Hawaii, USA

Consultant/Facilitator - ***Extreme Climate Events Program Peer Review Workshop*** for the Asian Disaster Preparedness Center, Bangkok, Thailand, 5-6 October 2000. Prepared agenda and facilitated workshop for Indonesia, Philippines, and Vietnam program participants working in meteorology/climatology, water resources, agriculture, and health. Co-authored the summary document and recommendations.

Research consultant working with Dr. Kem G. Lowry to interview experts in the area of ***Integrated Coastal Zone Management*** and determine indicators for evaluation of appropriate ICM programs as part of an international assessment funded by UNDP, 1997.

Trainer - ***Community Environmental Best Practices Training*** - Trainings conducted on women’s health, water resources management, waste disposal, and environmental best practices, 1991-1993.

Trainer - ***Leadership Training***, 2-day workshops, 1985, 1986.

Hazard Mitigation Planner, Yap, Federated States of Micronesia, 1993-94

Reassessed, revised, and wrote grant proposals for the development of hazard mitigation projects, attaining over \$2 million in funding for these projects. Developed culturally-relevant hazard mitigation and risk reduction policies for Yap State and FSM National Government. Surveyed and inventoried water catchments, water distribution systems, and other resource conditions throughout the state, developed a plan with UNDP to enhance potable water resources in Yap State, and submitted it to the Federal Emergency Management Agency (FEMA) and the US Department of Interior for funding for drought mitigation (The plan and funding significantly reduced the impacts of the drought associated with the recent 1997-98 ENSO warm event). Developed and coordinated implementation of hazard mitigation projects for agricultural food crop production, improved communications and warning systems, a disaster command post, and anchor mooring buoys for protection of coral reef ecosystems. Revised state disaster response plans.

US Peace Corps Volunteer, Yap Federated States of Micronesia, 1991-1993

Assessed the socio-economic impact of relief assistance on Yap State and published ***The Impact of Relief Assistance in Yap State and Hazard Mitigation Recommendations, 1993***, which advised the government on actions to mitigate hazards through various development programs. Developed culturally-appropriate hazard mitigation and risk reduction policies. Implemented a ***Community Needs Assessment***. Wrote and submitted the grant proposal and facilitated the community action plan for construction of a water catchment system to prevent drought during yearly dry season on Piig Island. Taught classes for community members about maintaining island’s water systems, women’s health, and preparing non-biodegradable waste disposal systems, 1991-1993.



PUBLICATIONS

Anderson, C., with F. Haddad, A.R. Rizvi, and C. Tirado. 2015. "Promoting Resilience, Rights, and Resources: Gender-Responsive Adaptation Across Sectors." Chapter 3 in Aguilar, L., Granat, M., and Owren, C. (2015). *Roots for the Future: The Landscape and way forward on gender and climate change*. Washington, DC: IUCN.

McLeod, Elizabeth, B. Szuster, E.L. Tompkins, N. Marshall, T. Downing, S. Wongbusarakum, A. Patwardhan, M. Hamza, **C. Anderson**, S. Bharwani, L. Hansen, and P. Rubinoff. July 2015. "Using expert knowledge to develop a vulnerability and adaptation framework and methodology for application in tropical island communities." *Coastal Management*. Volume 43, Issue 4, July 2015, pages 365-382.

Henly-Shepard, S., **C. L. Anderson**, K. Burnett, L.J. Cox, J. Kittinger, and M. Ka'aumoana. Quantifying household social resilience: a place-based approach in a rapidly transforming community. *Natural Hazards*. 07/2014; DOI: 10.1007/s11069-014-1328-8.

Severance, C., R Franco, M. Hamnett, **C. Anderson**, and F. Aitaoto. 2013. "Effort Triggers, Fish Flow, and Customary Exchange in American Samoa and the Northern Marianas: Critical Human Dimensions of Western Pacific Fisheries." *Pacific Science*, 67(3):383-393.

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Anderson, C.L. 2006, August. "Did You Say *Gender* and *Disaster*?: Understanding Gender Dimensions in Reducing Disaster Risks," *National Women's Education Council Journal*. Saitama, Japan: National Women's Education Council. Peer-reviewed article in English and Japanese translation.

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Shea, Eileen L., Glenn Dolcemascolo, **Cheryl L. Anderson**, Anthony Barnston, Charles P. (Chip) Guard, Michael P. Hamnett, Stephen T. Kubota, Nancy Lewis, Johannes Loschnigg, and Gerald Meehl (October 2001). [Preparing for a Changing Climate: The Potential Consequences of Climate Variability and Change](#). National Assessment for the Consequences of Global Climate Change and Variability, Pacific Islands Assessment.

Hamnett, Michael P. and **Cheryl L. Anderson**. 2000. "Impact of ENSO Events on Tuna Fisheries in the US-Affiliated Islands." Honolulu: Pelagic Fisheries Research Program, University of Hawaii.

Anderson, C. 1995, February. "Impact of Relief Assistance in Small Islands." East-West Center Centerwide Education Conference. Honolulu: East-West Center.

Selected Expert Presentations and Reviews

- Social Equity Knowledge Session, Presenter, **World Conservation Congress**, IUCN, Honolulu, Hawaii, USA, September 2016.
- "Socio-cultural Adaptation Lessons from the Pacific Islands through Integrated Management," presentation in day-long sessions on **Socio-Cultural Dimensions of Climate Change**, April 14, 2011; Panel presentation, "**Water, Climate, & Development: Strengthening the Links between Sectors**," Pacific Islands perspective, April 15, 2011 for **American Association of Geographers (AAG)** Annual meeting, Seattle, WA, 12-16 April 2011.
- "Climate Challenges in Pacific Island Communities," Panel Session: **Climate Change in Pacific Island Communities**, February 10, 2011 for Association of Social Anthropologists in Oceania (ASAO) annual meeting 8-11 February 2011.
- "Climate Challenges in Pacific Island Communities," presentation at the **EPA Regional Science Workshop: Resilient Water Management Strategies for a Changing Climate**, Panel Session: Addressing Climate Change in Our Diverse Landscapes.
- Climate and Development Days: COP-15 Side Event coordinated by the International Institute for Environment and Development (IIED), December 12, 2009, Copenhagen, Denmark "**Women's Ways of Knowing in the Pacific: Contribution to Global Climate Adaptation.**"
- Keynote panel on climate: "**Challenges of Climate Change in Island Communities**," June 23, 2009. 2009 Pacific Islands Environment Conference.

- Keynote address, Gender and Disaster panel, **Gender, Disaster Risk Reduction and Legislation**, Third Global Congress of Women in Politics and Governance: Focus on Gender in Climate Change and Disaster Risk Reduction, Makati City, Philippines 19-22 October 2008. Researched and provided background paper.
- Invited Expert, **Intergovernmental Panel on Climate Change Task Group for Data and Scenario Support for Climate Impact Analysis (IPCC/TGICA)**, Nadi, Fiji, 18-22 June 2007. Published abstract on integrating methods for climate risk management, presented poster and abstract, presented on Communication Tools for Risk Assessment, developed two working group breakout sessions, and prepared session results for final report.
- Invited Expert, **Global Platform for Disaster Risk Reduction**, Geneva, Switzerland, 4-8 June 2007. Participated as part of the Gender and Disaster Network delegation in high level dialogue and intervened in Climate Change panel discussion, environmental workshops, and livelihood recovery workshop.
- Expert Review and Edits for “Words Into Action: A Guide for Implementing the Hyogo Framework,” United Nations International Strategy for Disaster Reduction. Geneva, Switzerland: United Nations. May 2007.
- “Gender and Disaster Risk Reduction” for the United Nations Bureau of Crisis **Prevention and Recovery (BCPR)** on gender and disaster risk reduction. Training in Geneva, Switzerland, 16-18 November 2005.
- Expert Technical Review of the Intergovernmental Panel on Climate Change’s IPCC Fourth Assessment Report (AR4), November 2005 - 2007.
- Working Session Panelist and Expert at “Empowering Women in Disasters,” a symposium convened by the National Women’s Education Center in Saitama, Japan, 10-11 December 2005.
- “Making the Last Mile: Reaching Users”: Presentation for the Flash Flood Forecasting Conference, March 2006, WMO and NOAA National Weather Service.
- **Gender Equality Workshop**, training session, sponsored by the Federal Executive Board in Honolulu, Honolulu, Hawaii, USA, 30 June 2005.
- Asia Pacific All Hazards Workshop: “Vulnerability and Risk Assessments: End-to-End Warning Systems,” presentation 8 June 2005. Workshop convened by the US Trade and Development Agency (USTDA) and the Department of Commerce National Oceanic and Atmospheric Administration (NOAA) in cooperation with the Asia-Pacific Economic Cooperation Forum (APEC), with delegations from tsunami-impacted countries.
- “Developing the Gender and Disaster Sourcebook using a collaborative network” Session 3.4: Creating a Culture of Prevention: Gender Balanced Public Awareness Initiatives, presentation, 20 January 2005 at the **World Conference on Disaster Reduction** in Kobe, Japan.
- **Gender Equality and Disaster Risk Reduction Workshop**, “Review of Lessons Shared and Charge for Work beyond the Workshop” presentation, 10 August 2004. Developed proceedings and Honolulu Call-to-Action with voluntary online team of participants, November 2004.
- “Developing Risk and Vulnerability Assessments: Strategic Techniques & Applications Training,” 27 July 2004, 8:15 – 11:45am for BUILDING THE FOUNDATION Leadership Seminar for Pacific Island Water Managers, East-West Center, Honolulu, Hawaii, USA.
- Peer Review: journal submission to *Disasters: The Journal of Disaster Studies, Policy and Management*, published by the Overseas Development Institute and Blackwell Publishers, 2005; journal submission to the *Natural Hazards Review*, an American Society of Civil Engineers journal, published by the Natural Hazards Center, Boulder, Colorado. June 2001.
- Workshop on **Reaching Women and Children in Disasters**, June 2000, presentation on the “Gender Gap in Disaster Management: A Look at Climate Variability in the Pacific Islands,” sponsored by the Laboratory for Social and Behavioral Sciences, International Hurricane Center, Florida International University and USAID’s Office of Foreign Disaster Assistance (OFDA).
- Pacific Congress on Science and Technology, June 1996, paper presentation on Integrated Coastal Zone Management in Small Islands.

List of Authored Technical Documents

- *Living with Change (LivC) Strategy: Enhancing the Resilience of Tokelau to the Impacts of Climate Change and Related Hazards*, 2017.
- *Living with Change (LivC) Implementation Plan*, 2017.

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- *County of Kauai Multi-Hazard Mitigation and Resilience Plan, 2015 Update*. 2015.
 - *Women as a Force for Change: Promoting a Gender and Disaster Training Initiative*, 2015.
 - *Understanding Gender-Differentiated Impacts of Disasters and Climate in Samoa*. 2013.
 - *Gender and Disaster Risk Reduction – Training Module*, 2010.
 - *Socioeconomic Assessment Guidelines for Pacific Adaptation to Climate Change (SEA-PACC)*, 2010.
 - *Climate Change and the Micronesia Challenge: Ways Forward in Collaboration and Adaptation*, 2010.
 - *State of Hawai'i Multi-Hazard Mitigation Plan Update 2010*, approved October 4, 2010.
 - *County of Kauai Multi-Hazard Mitigation Plan Update 2009*, approved August 13, 2010.
 - *State of Hawai'i Multi-Hazard Mitigation Plan Update 2007*, approved October 24, 2007.
 - *Pacific Islands Climate Variability and Change Workshops, Executive Summary*, October 2006.
 - *Climate Variability and Change Workshop*, American Samoa, September 2005.
 - *Climate Variability and Change Workshop*, Republic of the Marshall Islands, 10-12 April 2006.
 - *Climate Variability and Change Workshop*, Federated States of Micronesia, 18-19 April 2006.
 - *Climate Variability and Change Workshop*, Guam, 24-25 April 2006.
 - *Climate Variability and Change Workshop*, Northern Mariana Islands, 27-28 April 2006.
 - *Climate Variability and Change Workshop*, Republic of Palau, 1-2 May 2006.
 - *State of Hawaii Multi-Hazard Mitigation Plan*, approved 2004.
 - *Kauai County Hazard Mitigation Strategy*, September 2003.
 - *National Assessment for the Consequences of Global Climate Change and Variability, Pacific Islands Assessment*, 2001. Co-author, Pacific Islands Region.
 - *Extreme Climate Events Program Peer Review Meeting for Indonesia, Philippines, and Vietnam Summary Report*, co-author, Asian Disaster Preparedness Center, Bangkok, March 2001.
 - *ENSO Impact Assessment Manual (Draft)*, 2001, co-author.
 - *Impact of ENSO Events on Tuna Fisheries in the US-Affiliated Islands*, 1999.
 - *The US All Islands Coral Reef Initiative Strategy*, September 1999.
 - *ENSO Socio-Economic Impact Analysis for the Pacific Islands*, August 1998.
 - *Impact of Climate Variability on Pelagic Fisheries in the Pacific Islands*, April 1998.
 - *Hawaii Ocean Resources Management Plan Update and Recommendations*, 1998.
 - *US Pacific Islands Coastal Hazard Mitigation Workshop Proceedings*, 1996.
 - *The Impact of Relief Assistance in Yap State and Hazard Mitigation Recommendations*, 1993.

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Available upon request.