



Claudia Avendaño, Oc.

Doctor in Policy Planning and Development (USC)
MS. Geography, GIS (USC)
MS. Coastal Zone Management (UABC)
B.S. Oceanography (UABC)
GIS Analyst IV (USC)

Languages

- Spanish (100%)
- English (100%)
- Italian (40%)

Candidate's Areas of Excellence:

1. Coastal Adaptation Planning
2. Resiliency Sustainability, Climate Change and Sea-Level-Rise
3. Decisions Support Systems
4. Coastal Hazards and Emergency Management
5. Coastal Zone Entitlements, Environmental Policy and Planning
6. Transportation, Social and Environmental Justice, Inclusion, Diversity,
7. Spatial Planning
8. Intra-Agency Coordination

Personal Leadership Description

- Dynamic, progressive, flexible and unconventional thinker with strong analytical skills
- Innovative, proactive, technologically capable, with tremendous people skills; dedicated to the profession and well-respected among colleagues

Professional Experience

- **Lead Scientist/ Co-PI Expert on Coastal Adaptation Planning** (Nov 2023 to Present) Implementing Resiliency on Caltrans District 7 Maintenance Division Programs and Practices. Interagency Coordination with the California Coastal Commission to streamline Permitting within the Coastal Zone. Developing a small loads sediment management program to prove the concept of natural resilience while nourishing pocket beaches within the D7 jurisdiction and improving coastal engineering practices. Characterization of several beaches at D7 to design a large scale beach nourishment program to be use as resiliency and mitigation measure for the management of PCH. Developing a regional plan for the beneficial use of sediments at the PCH corridor for the efficient management of sediment loads (landslides) from the Santa Monica Mountains deposited on Coastal Roads under the Jurisdiction of Caltrans District 7.
- **Vice President Coastal Planning and Adaptation International** (May 2013- Present) Coastal Environments, La Jolla, CA. Vulnerability Analysis, Climate Change and Sea Level Rise, Land Use, Transportation and Local Coastal Planning. Interagency Coordinator. Develop International Market in the area of Coastal Adaptation Planning and Development.

- **Intern /Post-Doc Fellow at BEACON Beach Erosion Authority Control Authority (BEACON)** (Sep 2018 – Jan 2021) Joint Powers Authority composed of Santa Barbara and Ventura Counties and the six cities of Goleta, Santa Barbara, Carpinteria, Ventura, Oxnard, and Port Hueneme. Elected Officials Education and Outreach Program 2017-2018. Report on the implications of TMDLS for Beach Nourishment in BEACON's Area of Jurisdiction. Coordination with Caltrans Coastal Projects.
- **Lead Scientist/ Co-PI Expert on Coastal Adaptation Planning** (Nov 2014- Nov 2020) Planning Ordinances and Adaptation Measurements for Increasing resiliency on the Lacunae System Carmen Pajonal Machona. Report Prepared for The World Bank and INECC (National Institute for Ecology and Climate Change). Issues of special focus: Land Use, Coastal Roads and Infrastructure. The project extended practice and theory to a Doctoral Dissertation to attain the title of Doctor in Policy Planning and Development at USC. The project received excellence reviews and the dissertation is being used as a model for the DPPD program.
- **The US-Netherlands Connection Project, California Coordinator** (May 2014- May 2020) Florida Earth Foundation (FEF). Support the FEF international mission of developing a Coastal Adaptation Knowledge Exchange and Cooperation program between UNESCO-IHE, Netherlands Rijkswaterstaat, Deltares and the State of California.
- **Coastal Planner, Oceanographer, Environmental Consultant** (Sep 96 – Present) Coastal Environments, La Jolla, CA. Environmental data collection and analysis. Office management duties, report writing, creation and design of scientific plots and illustrations. Application of existing numerical models, codes and algorithms for coupling oceanographic, coastal engineering, and land use planning models. When necessary, to develop new and more efficient protocols, processing codes, algorithms and numerical modeling techniques to support interinstitutional decision making. Liaison with Planning and Government Officials, interacting with a variety of high level individuals, both internally among government agencies and within the local communities to provide information, disseminate agency views, project information and assist in resolving administrative issues. All under direct supervision of the owner and President.
- **Lead Scientist/ Expert in Environmental and Social Justice Issues** (Summer – 2012) Los Angeles, CA. Bilingual outreach and community engagement coordinator; Principal Investigator, in charge of methodological design for identification of water related needs of a Disadvantaged Community (DAC) in the Upper Los Angeles Watershed.
- **Consultant, Entitlements and Environmental Planning** (2005 – 2018) Various Projects. Dominican Republic, Puerto Rico, Maui, Hawaii. Assist on Land Use change due-diligence and research, analysis of Transportation alternatives and Developing Permits. The main project was a Time-Share development in Maui, Hawaii within a Special Management Area. Helped the client to successfully overcome challenges and constraints that previous developers faced while trying to obtain the Special Area Management Permits (SMA) required for site development. Advice in beach erosion management, and regulatory issues in order to secure a Special Management Area permit for tourism related development within sufficient environmental considerations to guarantee SMA compliance. Also helped with due diligence, feasibility and prospection of other international projects in coastal Mexico. Technical functions included: collecting, analyzing and presenting planning data; regularly interacting with customers to disseminate information related to property requirements, ordinances, laws, codes, and others as required. Reviewed plans, blueprints, and overview of technical aspects of the project to get approvals; preparing reports for presentation to various groups, and planning commissions.

- **Independent Consultant, Sustainability Expert and Project Management Support** to SE Corporation CEO and Principal Project Manager (March 2010) Corona and Beverly Hills, CA. Prepare Response to State level RFP “Catalyst Projects for California Sustainable Strategies Pilot Program on behalf of Corona City. Research California’s main issues regarding cities and greenhouse gas emissions; strategies to address climate change challenges, California current and proposed sustainability practices, legislation and policy analysis. Report writing, support, as well as technical meetings and public meetings with several committees, elected officials and personnel of Corona City.
- **GIS Analyst (2012)** Client: City of Pasadena, University of Southern California USC School of Policy, Planning & Development. Principal Investigator: PhD. Woodie Tescher. Pasadena, California Services Provided: land survey, photo documentation, geo-spatial analysis, report writing, census data geographical analysis, population dynamics analysis, analysis of transportation efficiency for the East Pasadena region and projection of new land-use distribution to allow a Transit Oriented Development (TOD) targeting Carbon Emissions Reduction for the upcoming extension of the Metro Golden Line. Assisted in overseeing a Transit Oriented Development feasibility Study. Developed planning programs maps and other official documents to develop the proposed TOD model deriving planning information directly from the Pasadena City Planning Department and distributed information to relevant parties addressing property development rights, historic preservation, permit processes, zoning regulations, regulatory policies, and other relevant planning functions to integrated the vision of the community in a multimodal (bike, walk, energy efficient and public transportation) TOD.
- **Research Assistant / GIS Analyst (2007- 2011)** USC Sol Price School of Public Policy, Planning, and Development, LA, CA, and Chicago, Illinois. Principal Investigator: Lisa Schweitzer. Accomplishments: All research completed with a high level of academic excellence, exceeded original scope and secured additional funding for several projects related to transportation, environment, social justice, access to health services, and transportation of hazardous materials. Services provided: Geospatial analysis, report writing, translation, interpretation, organization of public forums, focus groups, interviews, census data geographical analysis, analysis of transportation needs for underserved population around hazardous materials sites, analysis of transportation efficiency during emergency conditions and efficiency analysis of numerical models for transportation forecast and others.
- **Planner, Study Manager and GIS Coordinator (2001 – 2005)** Army Corps of Engineers (ACOE), LA District, Coastal Studies Group. Planned, supervised, and coordinated contractors, and subcontractors, managing Environmental Projects with value in excess of 50 million dollars per year. Managed and monitoring planning projects, feasibility studies and projects in the construction phase assuring compliance with ordinances, guidelines, environmental laws and relevant acts, as well as other important legislative aspects of the project for its implementation. Presented cases to governing bodies with recommendations for approval/disapproval and served as ACOE planning, and USC academic liaison. Acted as bilingual study manager for international projects such as Puerto Madero dredging and maintenance feasibility study. Served as GIS Staff Scientist at division level implemented GIS in-house at section level. Acted as Project Manager and Web designer for the Congressional Projects Showcase, working directly under Col. Thompson creating IMS maps (Internet Map Services). Acted as co-Study Manager for the California Sediment Management Master plan conducting policy analysis and research comparing sediment management policies among various jurisdictions and for different alternatives. Served as ACOE liaison and/or member of various committees, boards, and/or teams and technical boards collaborating, persuading, and presenting new ideas, complex concepts and projects to a diversity of audiences in order to achieve consensus, goal setting and project implementation. Negotiated with other Government Agencies with overlapping jurisdictions, to coordinate efforts and maintain cooperative and

efficient relations disseminating a variety of information and/or reports to various agencies, divisions, and departments.

- **Staff Research Associate II** - (May 97 - July 2000) Scripps Institution of Oceanography, Center for Coastal Studies, University of California San Diego. Staff support to Principal Investigators: PhD. Reinhardt Flick and PhD. Hany Elwany on state level projects co-founded by the CA Department of Boating and Waterways and CERES (California Environmental Resources Agency). Services Provided: Coastal oceanographic data analysis, instruments deployment, programming, database management, numerical modeling for beach monitoring programs such as the San Diego Bay Homeporting project. Beach nourishment design and performance monitoring; surveys and field studies coordination; study of transport and distribution patterns for the sand disposed in nearshore environment. Coastal Hazards Web-site development: research, web page design, database design and management for the CERES coastal hazards web site co-sponsored by CA Department of Boating and Waterways. Intra-agency relations and coordination with personnel involved in the projects. Attained three consecutive years of excellent supervisory reviews, merit promotions promotion to high visibility projects that lead to sediment management projects at state level.

- **International Environmental Consultant** (Sep94 - Sep 99) Title: International Environmental Consultant.

Project: San Luis Rey River Mining Permits (Apr 98 – Mar 99) Client: Nelson and Sloan/Hanson Materials San Diego, CA. Services Provided: Preparation of documents for application to mine sand from San Luis Rey River. Research, outreach and coordination meetings with regulatory agencies (USACE, California State Mining and Geology Board, San Diego County Department of Planning and Land Use) and others involved in the environmental regulatory process.

Principal Consultant to various oceanographic, scientific, and engineering projects in Baja California, Mexico, (Sep94 - Sep 96) Services Provided: Oceanography and Environmental Consultancy. Lead an oceanographic survey team to quantify the effectiveness of sediment dredging at a Marina and Golf Club project. Successfully mediate and achieve conflict resolution between the owner of the marina and my client whom was providing dredging services. Initiate a very successful consulting practice providing support to different local oceanographic buffets in Ensenada. Co-design a submerged water intake for an abalone farm dealing with issues of sediment and salinity control on the water supply for aquaculture practices. Successfully defend and represent the interest of local abalone fisheries against international development and expansion of the Sea Salt Factory located adjacent to a natural reserve in Guerrero Negro. Volunteer in several research projects at CICESE (Center for Investigation and Superior Studies Ensenada, a National Excellence Research Center) developing relationships with authorities in prediction of ocean currents; tsunamis, physical oceanography and coastal process among others. Won presidential fellowship for Bachelor's Degree Dissertation "Managing and Monitoring Sediment Transport for the Main-water-intake-channel of the Thermoelectric Plant President Juarez" Rosarito, BC. Mexico.

Academic Development

- August 2024 **Decision Making Under Deep Uncertainty Society Workshop in Coastal Policy Decision Making Techniques.**
- January 2020 **Doctor in Policy Planning and Development**
University of Southern California, USC Price School of Policy, Planning, and Development

- May 2014 **Master's Degree in Physical Geography and Geographic Information Systems**, (Geomorphology and Geographic Information Systems) University of Southern California, College of Letters Arts and Sciences, Department of Geography
- December 2007 **Diploma Geographic Information Systems Analyst IV**, University of Southern California, College of Letters Arts and Sciences, Department of Geography
- June 96 **Master's Degree in Coastal Zone Management**, Universidad Autónoma de Baja California, Marine Science Department, Ensenada, Baja California. México
- December 94 **Bachelor Degree in Oceanography** -Major Physical Oceanography, Geomorphology Universidad Autónoma de Baja California, Marine Sciences Department, Ensenada, Baja California. México
- June 89 **IT Specialist: Computer Sciences** Diploma, Universidad Nacional Autónoma de México, México City, México

Professional Associations

- APA America Planners Association
- CA Resiliency Network
- US Netherland Connection Professional Chapter
- USC Harman Academy of Polymathic Sciences
- BEACON Beach Erosion Control Joint Powers Authority Ventura and Santa Barbara Counties
- Women in Government and Management
- Decision Making Under Deep Uncertainty Society
- Several LinkedIn Professional Groups

Extracurricular Activities

- Former President, Sol Price School of Public Policy Doctoral Students Association
- Inductee, Academy of Polymathic Sciences
- Clean and Green Sustainability Committee Park La Brea Residential
- Wells of Life and World Vision benefactor
- International CEO Training. Spanish Executive Skills for Leadership

Funding, Awards and Distinctions

- DMDU Decision Making Under Deep Uncertainty Scholarship Summer 2024
- USC Climate Carriers 2024. Sponsored Speaker Coastal Planning and Coastal Resilience Expert
- America Planners Association, CA 2023. Sponsored Speaker Coastal Resiliency Strategies
- Smart Coast CA, 2023. Sponsored Speaker Coastal Resilience Adaptation Pathways
- USC Climate Carriers 2023. Sponsored Speaker Coastal Planning and Coastal Resilience Expert
- Member of the Month CA resiliency Network Nov 2017 Authored Webinar CA resiliency Network "Coastal Resiliency and Adaptation Measures for a Coastal Lacunae System, Mangroves and Wetlands of the Gulf of Mexico, Tabasco.
- Intern / Fellow BEACON Beach Erosion Authority Control Authority (BEACON) Joint Powers Authority composed of Santa Barbara and Ventura Counties and the six cities of Goleta, Santa Barbara, Carpinteria, Ventura, Oxnard, and Port Hueneme 2017

- Florida Earth Institute “United States Netherlands Connection” California Chapter Director 2016
- Florida Earth Institute “United States Netherlands Connection” Fellowship 2014,2015,2016
- DPPD Doctorate 2014 Spring USC Graduate School, Academic and Professional Development “International Travel Award”. USC Graduate School, Diversity Outreach, Academic Professional Development, McNair Scholars and EDGE Fellows Program. University of Southern California, Office of the Provost
- DPPD Doctorate 2014 Spring USC Graduate School, Academic and Professional Development “Dissertation Writing Workshop”. USC Graduate School, Diversity Outreach, Academic Professional Development, McNair Scholars and EDGE Fellows Program. University of Southern California, Office of the Provost
- DPPD Doctorate 2014 Spring USC Graduate School, Academic and Professional Development “Publication Writing Workshop”. USC Graduate School, Diversity Outreach, Academic Professional Development, McNair Scholars and EDGE Fellows Program. University of Southern California, Office of the Provost
- DPPD Doctorate 2013 Fall USC Graduate School, Academic and Professional Development “10 Weeks Research Institute”. USC Graduate School, Diversity Outreach, Academic Professional Development, McNair Scholars and EDGE Fellows Program. University of Southern California, Office of the Provost
- Inductee Sidney Harman Academy of Sciences
- PhD Geography Department Sustainable Cities Fellowship.
- DPPD Doctorate: School of Policy, Planning and Development, USC. Research Assistantship. Research assistantship full tuition and stipend and several hourly appointments
- Doctorate: School of International Relations, USC. Teacher Assistantship. Teacher assistantship full tuition and stipend and several hourly appointments
- Doctorate: Keck School of Medicine and School of Policy, Planning and Development. Teacher and Research Assistantship. TA/ RA full tuition,
- Doctorate 2013 Spring USC Graduate School, Diversity Outreach & Academic Professional Development Research symposium. USC Graduate School, Diversity Outreach & Academic Professional Development University of Southern California, Office of the Provost
- Doctorate 2013 Fall 10 Weeks Research Enhancement Institute USC Graduate School, Diversity Outreach & Academic Professional Development Research symposium. USC Graduate School, Diversity Outreach & Academic Professional Development University of Southern California, Office of the Provost.
- School of International Relations, USC. One year of Doctoral Research funding. Teacher Assistant full tuition and stipend
- National Science Foundation, Center for Sustainable Cities Summer Fellow. Climate Change and Sea-Level-Rise
- PhD Geography Department USC. Three years of Doctoral Research funding. Research assistantship and Teacher assistantship full tuition plus stipend
- Master’s Degree Coastal Zone Management International Speaker Award
- Scripps Institution of Oceanography International Sponsorship and four consecutive professional promotions.
- Army Corps of Engineers hired as the highest grade Student Career Educational Program (SCEP) for professional and academic merits.
- Army Corps of Engineers full Doctoral Fellowship four years
- Army Corps of Engineers cash bonuses for excellence in professional development.
- Army Corps of Engineers several promotions and awards from direct supervisor, South Pacific Division and Headquarters recognition. Waiver of Morro Bay National Estuary Review Conference due to project merits, and unanimous consensus during public meetings and QA/QC review by the local sponsors.
- Cambridge “Who is Who Award” as Professional of the Year 2010
- Bachelor’s Degree Dissertation, Presidential Fellowship 1994

Publications and Technical Reports

- Avendano C., 2020. "Resilience by Anticipating Change; Robust Decision Making for Coastal Adaptation Planners, Communities and Elected Officials" Thesis DOCTOR in POLICY PLANNING AND DEVELOPMENT. Sol Price School of Public Policy. USC
- Avendano C., Ramieri, E., Elwany, H., García, C., Saenz, V., Arellano-Méndez, L., Amador, G., Cruz, N., 2016. Adaptation Measures." Pilot Project: Designing Adaptation Measures to Increase Resiliency and Natural Adaptation Capacity of the Lacunae System Carmen Pajonal Machona (Tabasco, Mexico) Against Present and Future Impacts of Climate Change and Future Anthropogenic Activities." Evaluation of Climate Change and Future Anthropogenic Development on the CPM Lacunae System to Determine Hotspots for Ecological Conservation and Key Vulnerability Hotspots to Avoid Future Catastrophic Impacts 25051-REL-T013.1 Report Submitted to INECC Federal Agency for Environment and Climate Change and the World Bank.
- Avendano C., Arellano-Méndez, L., Fanelli, A., 2015. Sustainable and Resilient Land-use to Support the Local Economy and the Ecological Rehabilitation of the CPM Mangrove Systems. "Evaluation of Climate Change and Future Anthropogenic Development on the CPM Lacunae System to Determine Hotspots for Ecological Conservation and Key Vulnerability Hotspots to Avoid Future Catastrophic Impacts." Pilot Project: Designing Adaptation Measures to Increase Resiliency and Natural Adaptation Capacity of the Lacunae System Carmen Pajonal Machona (Tabasco, Mexico) Against Present and Future Impacts of Climate Change and Future Anthropogenic Activities. 25051-REL-T012.1 Report Submitted to INECC Federal Agency for Environment and Climate Change and the World Bank.
- Arellano-Méndez, I., Avendano C., Fanelli, A., 2015. Ecological Analysis of Bio-corridors and Key areas for Preservation Refugia Expansion "Evaluation of Climate Change and Future Anthropogenic Development on the CPM Lacunae System to Determine Hotspots for Ecological Conservation and Key Vulnerability Hotspots to Avoid Future Catastrophic Impacts." Pilot Project: Designing Adaptation Measures to Increase Resiliency and Natural Adaptation Capacity of the Lacunae System Carmen Pajonal Machona (Tabasco, Mexico) Against Present and Future Impacts of Climate Change and Future Anthropogenic Activities. 25051-REL-T012.1 Report Submitted to INECC Federal Agency for Environment and Climate Change and the World Bank.
- Saenz, V., Avendano, C., Arellano-Méndez, L., 2015. Tropical Illnesses Transmitted by Vector Species, Causes, Consequences and Contagious Mechanisms. "Evaluation of Climate Change and Future Anthropogenic Development on the CPM Lacunae System to Determine Hotspots for Ecological Conservation and Key Vulnerability Hotspots to Avoid Future Catastrophic Impacts. Appendix 3 - Pilot Project: Designing Adaptation Measures to Increase Resiliency and Natural Adaptation Capacity of the Lacunae System Carmen Pajonal Machona (Tabasco, Mexico) Against Present and Future Impacts of Climate Change and Future Anthropogenic Activities. 25051-REL-T010.3 Report Submitted to INECC Federal Agency for Environment and Climate Change and the World Bank.
- Saenz, V., Avendano, C., Arellano-Méndez, L., 2015. Species that may Cause Catastrophic Impacts by Becoming Plagues, Invasive Species, Vectors Transmitters of Infectious Tropical Diseases. "Evaluation of Climate Change and Future Anthropogenic Development on the CPM Lacunae System to Determine Hotspots for Ecological Conservation and Key Vulnerability Hotspots to Avoid Future Catastrophic Impacts. Chapter 9." Pilot Project: Designing Adaptation Measures to Increase Resiliency and Natural Adaptation Capacity of the Lacunae System Carmen Pajonal Machona (Tabasco, Mexico) Against Present and Future Impacts of Climate Change and Future Anthropogenic Activities. 25051-REL-T010.3 Report Submitted to INECC Federal Agency for Environment and Climate Change and the World Bank.

- Avendano, C., Arellano-Méndez, L., García, C., 2015. Biological Ecosystems and Key Ecological Structures "Evaluation of Climate Change and Future Anthropogenic Development on the CPM Lacunae System to Determine Hotspots for Ecological Conservation and Key Vulnerability Hotspots to Avoid Future Catastrophic Impacts. Chapter 8." Pilot Project: Designing Adaptation Measures to Increase Resiliency and Natural Adaptation Capacity of the Lacunae System Carmen Pajonal Machona (Tabasco, Mexico) Against Present and Future Impacts of Climate Change and Future Anthropogenic Activities. 25051-REL-T010.3 Report Submitted to INECC Federal Agency for Environment and Climate Change and the World Bank
- Marván, F., Avendano, C., Illescas, A., Elwany, H., 2015. Coastal Erosion and Future Geo-morphological Stability of the Sand-bar protecting the Lacunae System from SLR, and Saline Intrusion. "Evaluation of Climate Change and Future Anthropogenic Development on the CPM Lacunae System to Determine Hotspots for Ecological Conservation and Key Vulnerability Hotspots to Avoid Future Catastrophic Impacts. Chapter 5 " Pilot Project: Designing Adaptation Measures to Increase Resiliency and Natural Adaptation Capacity of the Lacunae System Carmen Pajonal Machona (Tabasco, Mexico) Against Present and Future Impacts of Climate Change and Future Anthropogenic Activities. 25051-REL-T010.3.Report Submitted to INECC Federal Agency for Environment and Climate Change and the World Bank.
- Arellano-Mendez, L., Avendano, C., 2015. "Diagnosis of the Current Ecological Conditions of the CPM Lacunae System, Mangroves and Wetlands". Pilot Project: Designing Adaptation Measures to Increase Resiliency and Natural Adaptation Capacity of the Lacunae System Carmen Pajonal Machona (Tabasco, Mexico) Against Present and Future Impacts of Climate Change and Future Anthropogenic Activities. 25051-REL-T005.0 Report Submitted to INECC Federal Agency for Environment and Climate Change and the World Bank.
- Marván, F., Illescas, A., Avendano, C., Elwany, H., 2015. "Diagnosis of the Current Conditions of the CPM Lacunae System, Mangroves and Wetlands. Study of the Geo-morphologic Conditions and Stability of the Sand-bar protecting the CPM Lacunae System from Sea Level Rise and Saline Intrusion." Pilot Project: Designing Adaptation Measures to Increase Resiliency and Natural Adaptation Capacity of the Lacunae System Carmen Pajonal Machona (Tabasco, Mexico) Against Present and Future Impacts of Climate Change and Future Anthropogenic Activities. 25051-REL-T003.1 Report Submitted to INECC Federal Agency for Environment and Climate Change and the World Bank.
- Avendano C., 2014." *Environmental Justice: Geospatial Impacts of Hazardous Materials Spills*" Thesis MASTER OF SCIENCE GEOGRAPHY May 2014 Copyright 2014 Claudia E. Avendano Presented to the faculty of USC Graduate School. University Of Southern California
- Schweitzer L., Murray-Tuite P., Avendano C., et al., 2013. "No-Notice Evacuations, Transport Security, and Environmental Injustice: An Exploratory Study" METRANS Report 09-21.
- Schweitzer, L., P. Murray-Tuite, H. Sullivan, and C. Avendano. "The Women of Logan Square: Care Giving, Networks, and Geographic Vulnerability", 07/01/2011-06/30/2012, 2010, "Presented at the National Evacuation Conference, New Orleans, February 2010."
- Lisa Schweitzer, Claudia Avendano, Henry Sullivan, Pamela Murray-Tuite. "Bonding Social Capital and Gendered Resiliencies: A Look at Family Evacuation Planning" accepted for presentation at the 50th Anniversary ACSP Conference scheduled for October 1-4, 2009 in Crystal City, Virginia

- Risco, A., Ming, S., and Avendano, C. 2005 "The Present Day Civil Works Role of the U. S. Army Corps of Engineers in Developing, Managing and Protecting California's Coastal Resources". California and the World Ocean '02: pp. 321-323.doi: 10.1061/40761(175)27 available at [http://ascelibrary.org/doi/abs/10.1061/40761\(175\)27](http://ascelibrary.org/doi/abs/10.1061/40761%28175%2927)
- Avendano C., Risco A., Evelyn J. et al., 2004. "Geographic Information System (GIS) System Architecture and Design Report". U.S. Army Corps of Engineers, Los Angeles District available at <http://www.dbw.ca.gov/csmw/PDF/SysArchPlan.pdf>
- Avendaño C., 2004. "Differential Cost Benefit Analysis for Dredging Material Placement Options at Ventura Harbor" Proceedings Headwaters to Oceans (H2O) Conference. (Integrating Rivers, Wetlands, and Coastlines in an Urban Environment)
- Avendaño C., (2003) "REGIONAL SEDIMENT MANAGEMENT" Ch. 1 "Inventory: Current Status and Future trends" US Army Corps of Engineers available at <http://www.dbw.ca.gov/csmw/pdf/RSMWorkplanCh1.pdf>
- Department of Boating and Waterways and State Coastal Conservancy 2002. CALIFORNIA BEACH RESTORATION STUDY. Chapter 7 IMPEDIMENTS TO FLUVIAL DELIVERY OF SEDIMENT TO THE SHORELINE. Sherman D., C. Avendaño, K. Barron, J. Ellis, M. Lange, I. Mack https://dbw.parks.ca.gov/pages/28702/files/cbrs_frontmatter.pdf
- Blasberg R., Avendaño C., et al 2003 "Morro Bay Ecosystem Restoration Feasibility Study, F3 Conference Report Without-Project Conditions Analysis". US Army Corps of Engineers available at <http://knowledge.mbnep.org/node/44>
- Avendaño C, Risco A., Ming S., et al., 2002."National Regional Sediment Management Demonstration Program", South Pacific Division. US Army Corps of Engineers April 2002.
- Avendaño C., 2002 "The role of GIS in Army Corps of Engineers Coastal Studies Group" Proceedings California and the World Oceans 2002, August 2002 Santa Barbara California. Available at https://www.researchgate.net/publication/268599178_The_Present_Day_Civil_Works_Role_of_the_U_S_Army_Corps_of_Engineers_in_Developing_Managing_and_Protecting_California's_Coastal_Resources
- Avendaño C., Risco A., et al., 2001. "Estudio de Reconocimiento: Manejo de Sedimentos en Puerto Madero" US Army Corps of Engineers December 2001.
- Risco A., Avendaño C., et al., 2001. "National Regional Sediment Management Demonstration Program, efforts by the South Pacific Division". US Army Corps of Engineers and the State of California November 2001.
- Risco A., Avendaño C, Ming S., et al. 2001 "California Master Plan for Coastal Sediment Management. Project Work Plan" http://www.dbw.ca.gov/csmw/pdf/CCSMMP_Workplan16.pdf
- Sherman D., C. Avendaño, K. Barron, J. Ellis, M. Lange, I. Mack, 2001. "Impacts of Dams on California's Coastal Sediment Supply" Abstract submitted to Restoring the Beach- Science, Policy and Funding. San Diego CA November 8-10, 2001

- Hartman J, C. Avendaño, 2001. "*The White Paper*" or *Why the Federal Government Should Invest in California's Beaches and to protect the wetlands*".
- Aceti, R. and C. Avendaño. 1999. "*California's coastal communities organize to increase State Funding for Beaches*" *Shore and Beach*, 67(4): 3-6.
- Avendaño, C. 1997. "*The Blow Hole "Fideicomiso" as an example of the cooperative management policies among the three levels of government and the local community*". *California and the World Oceans '97*, San Diego, CA.
- Avendaño, C. and M Ramade, 1996. "*Overview of the tourist perspectives and problematic in Ensenada BC*". Report submitted to the State Tourism Agency, Ensenada, B.C. Mexico, September 1996, in Spanish.
- Avendaño, C. and J. Reyes. 1996. "*Hydrodynamic and Oceanographic review for the Water Intake Design in an Aquaculture Farm*". Report submitted to Construcción y Mantenimiento Civil Solar, Ejido Eréndira, Baja California, México, in Spanish
- Elwany, H. and C. Avendano. 1997. "Ship waves at Oakland Harbor, Summary of measurements". Report Submitted to TEG Ocean Services, Solana Beach, July 1997.
- Elwany, H., C. Avendano, and R. Flick. 1997. "*Winter 1996-1997 experimental dredging at San Elijo Lagoon*". Submitted to San Elijo Lagoon Conservancy.
- Flick, R., H. Elwany, C. Avendano, and M. Hamilton. 1998. Preliminary report "*Fate of Nearshore Sand Deposits*". Proceedings from the California Shore and Beach Preservation Association annual conference, 29 October 1998, Santa Monica, CA.
- Hamilton, M., C. Avendano, D. Gibson, R. Flick, and H. Elwany. 1998. "*Monitoring of sand disposed in the nearshore environment*". Data report No. 1. Submitted to California Department of Boating and Waterways, SIO Ref. 98-15.
- Hamilton, M., C. Avendano, R. Flick, and H. Elwany. 1999." *Monitoring of sand disposed in the nearshore environment*". Data report No. 2. Submitted to California Department of Boating and Waterways SIO Ref. 99-21.
- Ramade, M. and C. Avendano. 1996. Fisheries Cooperative Society Punta Abreojos official position vs. Salt Factory expansion project in Guerrero Negro. Internet June 1996, in Spanish, <http://www.laneta.apc.org/rds/foros/al/ponencias/f2pon05.html>.

Computer Skills

- Arc-GIS, Adobe Moodle Online, YouSeeU, Vimeo, GoTo Meetings, Fussion, Microsoft Office Suite, Adobe Acrobat Professional Suite, C++; Golden Graphics, Surfer, k-edit, PRODAS, Corel draw, Internet, Basic Unix system, Word Perfect, Word Star, Mathlab, Pascal, Quattro-pro, Lotus123, Access, SAS, Macromedia Dreamweaver2, Acrobat Editor, Adobe Photo-shop, and others. Familiar with: H&H modeling (HEC-1, HEC-RAS), CAD (ACAD and Micro-Station), Excel, Word, Microsoft Project. Windows 3.1, NT, 98, 2000, XP and Vista DOS 6.0.