

# Jennifer A. Lentz, Ph.D.

(520) 237-4153  
Jennifer.Lentz@gmail.com

<http://JenniferALentz.info>

4364 Maury Ave  
Long Beach, CA 90807

## Accomplished Professional Dedicated to Building Climate Resilience

Passionate and accomplished professional, looking to leverage my scientific, technical, and professional experience to facilitate creating a more climate resilient world. I am an honest, self-motivated, hard-working, collaborative individual who is resourceful and knowledgeable about a variety of environmental issues affecting local communities and ecosystems. Dedicated to working with communities, stakeholders, governments, and scientists to develop and implement resilient strategies that facilitate not only surviving the current and future impacts of climate change, but thriving through the creation of healthier, more efficient, and sustainable communities that are prepared for anything that comes their way.

I have a strong background in climate resilience and sustainability measures with 17 years of professional and academic experience working across disciplines and departments to promote multi-benefit, actionable solutions. I specialize in effectively communicating scientific information in ways that are not only directly relatable and relevant to the audience but also inspire and empower action. For the last 6 years, I have worked at a local non-profit using GIS and citizen/community science to develop interactive ways to connect people of all ages to the ecology of the surrounding world, to create environmentally aware and engaged communities. I co-authored the 2015 report commissioned by Mayor Garcia advising him on how to make Long Beach the model of a climate resilient city. Following this report, I developed successful climate resilient community outreach and social media programs, and have been working closely with the City of Long Beach on their Climate Action and Adaptation Plan (CAAP) and sustainability measures, participating in the LA "Our County" Sustainability workshops, along with other regional sustainability and climate resilience programs.

## AREAS OF EXPERTISE & DEMONSTRATED PERFORMANCE

- Climate Resilience & Sustainability Strategies
- Climate Change Causes & Impacts
- Green Building Practices & Policies
- Geographic Information Systems (GIS)
- Environmental Ecology & Oceanography
- Ecosystem Health & Spatial Epidemiology
- Community Outreach Programs
- Storytelling & Effective Data Visualizations
- Emergency Preparedness
- Critical Thinking & Problem Solving
- Vetting & Communicating Scientific Information
- Organization, Coordination, & Strategic Planning
- Public Speaking & Presentations
- Research & Data Analysis
- Technical (& non-technical) Writing & Reports
- Leadership, Staff Training, & Development
- Highly Proficient in Microsoft Office Suite
- Web Design, Code, & Programming Languages

## EDUCATION

2005 - 2012	<b>Doctor of Philosophy</b> degree from <b>Louisiana State University</b> Major: Department of Oceanography & Coastal Sciences Minor: Department of Geography & Anthropology (with a GIS concentration) GPA: 3.709/4.0	Baton Rouge, LA
2001 - 2005	<b>Bachelor of Arts</b> degree from <b>Hamilton College</b> Major: Interdisciplinary Concentration in Environmental Studies Minor: Studio Art GPA: 90.82/98 (3.71/4.0 equivalence), Graduated <i>Cum Laude</i>	Clinton, NY
2004 (Spring)	<b>The School for Field Studies' Center for Marine Resource Studies</b> <i>Semester abroad, accredited through Boston University</i>	South Caicos, BWI

---

**PROFESSIONAL EXPERIENCE**

---

**Significant Ecological Areas Technical Advisory Committee (SEATAC)** Los Angeles County  
 Appointed to a 3-year term by the Director of LA County's Dept. of Regional Planning Feb. 5, 2019 – 2022

**Aquarium of the Pacific (AOP)** Long Beach, CA

**Education Coordinator** 2015 – Present

- Founding member of the Aquarium's Climate Resilience team, individual duties on this team include:
  - writing the [City of Long Beach Climate Resilient Assessment Report](#) commissioned by Mayor Garcia
  - creating and overseeing the Aquarium's Climate Resilient Outreach Booth
  - running the Aquarium's Climate Resilient Social Media Account @resilientLbaop on [Twitter](#) & [Facebook](#)
  - for more information on our climate resilience work see [pacific.to/resilientLbaop](http://pacific.to/resilientLbaop)
- In charge of organizing the Aquarium's Annual Earth Day festival and Electronic Waste (E-Waste) drive
- Oversees all of the Aquarium's Community Science Programs and organizes the Annual Citizen Science for Conservation in Southern California Symposium (<http://www.aquariumofpacific.org/conservation/citsci>)
- Develop interactive educational materials that use GIS to connect the public to science (<http://aop.maps.arcgis.com/>)
- Manage the maintenance and distribution of the Whales: Voices in the Sea Program, which exists as both a website and an interactive software-based exhibit on display at the Aquarium of the Pacific, and a number of other zoos and aquariums (for more information see: <http://cetuc.ucsd.edu/voicesinthesea.org/>)
- Create digital signage displayed on monitors throughout the Aquarium of the Pacific
- Member of the Aquarium's Emergency Response Team

**Education Specialist** 2013 – 2014

- Taught the Aquarium of the Pacific's marine education programs (pre-K to Adult) and co-lead their summer camps
- Gave public presentations at different exhibits within the aquarium and interacting with the public
- Produced weekly educational presentations to keep volunteers up-to-date on AOP's marine life
- Assisted Program Coordinators with updating and developing new program materials
- Helped to infuse current topics in marine science into the Aquarium of the Pacific's educational programming
- Served as the Naturalist on the Aquarium of the Pacific's boat programs, including 3 ½ hour Whale Watch Tours

**Marine Science Fellow** April – September, 2013

- Temporary position designed to provide 6-8 months of work experience and training in all aspects of the Aquarium of the Pacific's Education department

**Louisiana State University (LSU)** Baton Rouge, LA

**GIS Facilitator** for LSU's School of Coast & Environment (SC&E) 2010 - 2012

- Created an interactive, map-based website linked to a geospatial database with all of the school's research
- Trained faculty, staff, and graduate students to use GIS software. Produced figures for publication

**WebMaster** for LSU's Coast and Environment Graduate Organization (CEGO) 2010 - 2011

- Created and maintained CEGO's website, which I designed to not only include information about the organization, but also serve as a resource for SC&E graduate students by including information on LSU student health insurance, important forms, links to student handbooks, study guides, software tutorials, etc.

**Teaching Assistant** for LSU's "Introduction to Oceanography" Undergraduate-Level course 2009 - 2010

- Gave guest lectures in Coral Reef Ecology, Coral Reef Stressors, and Climate Change and the IPCC
- Graded assignments including: quizzes, short answer, and essays, and Proctored Exams
- Created and maintained the grade book for the course in Excel, and a digital copy on Moodle
- Compiled a "Writing Basics" handout for the students

**Teaching Assistant** for LUMCON's Graduate- Level "Coral Reef Ecology" field course Summer, 2006

- Organized the course handouts and lecture material
- Gave a guest lecture on Coral Diseases, wrote and graded one of the final exam questions

**Jug Bay Wetlands Sanctuary** Lothian, MD

**Jug Bay Wetlands Sanctuary Fellow** Summer, 2004

**Hamilton College** Clinton, NY

**Intern** at Hamilton's Department of Communications and Development 2002-2005

- Assisted development officers in preparing for cultivation and solicitation visits
  - Prepared reports detailing campaign progress and prospect status
  - Corresponded with trustees, parents and alumni
-

---

**PROFESSIONAL DEVELOPMENT**


---

**Certifications**

<b>EcoDistricts Accredited Professional</b>	2019
The EcoDistricts AP credential demonstrates a commitment to sustainable, equitable neighborhoods that meet the EcoDistricts Certified standard for urban and community development that puts equity, resilience, and climate protection at the center of all decisions.	
<b>Climate Change Communication, Science, and Action (EE107-F19x)</b>	2019
6-week interactive online course on “taking actions to limit greenhouse emissions as part of a network of professionals and students from around the world,” offered by the Cornell University Civic Ecology Lab and the Cornell Institute for Climate Smart Solutions (CICSS) and accredited through edX Edge and CornellX, an online learning initiative of Cornell University.	
<b>U.S. Public Policy: Social, Economic, and Foreign Policies (HKS101A_4)</b>	2019
6-week interactive online course on “the driving forces & persistent tendencies of American politics.” Accredited through edX and HarvardX, an online learning initiative of Harvard University.	
<b>International Climate Change Law and Policy (CCL201x)</b>	2019
4-week interactive online course on “how to critically access Environmental Economics theory and its application to climate change policy.” Accredited through edX and the University of Newcastle.	
<b>Harwood Public Innovators Virtual Lab</b>	2019
8-week interactive training on learning what it takes to “Turn Outward” – to use the community, not your conference room, as your reference point for choices and action ( <a href="https://theharwoodinstitute.org/public-innovators-labs">https://theharwoodinstitute.org/public-innovators-labs</a> )	
<b>Ecodesign for Cities and Suburbs (EcodesignX)</b>	2019
6-week interactive online course on “how ecology can guide urban design to avert environmental disasters and improve people’s lives.” Accredited through edX and the University of British Columbia ( <a href="https://www.edx.org/course/ecodesign-cities-suburbs-ubcx-ecodesignx-0">https://www.edx.org/course/ecodesign-cities-suburbs-ubcx-ecodesignx-0</a> ).	
<b>Climate Reality Leadership Corps</b>	2019
Accepted into (and completed) Climate Reality’s 3-day leadership training (March 14-15) in Atlanta, GA.	
<b>LEED® Green Associate™</b>	2018
Green Business Certification Inc. certifies that the individual has demonstrated knowledge and understanding of green building practices and principles needed to support the use of the LEED® green building program. (December 2018 – December 2020)	
<b>Management Development Program – Pyramid of Performance Certificate</b>	2016
Completed a 10-week training course by Paul G. Allman, President of Profession Training Services (PTS)	
<b>Substitute Teaching Certificate</b>	2013
Issued by the Arizona Department of Education (February 13, 2013 – 2019) with Level One Fingerprint Clearance issued by the Arizona Department of Public Safety (December 31, 2012 – 2018)	
<b>Pictometry Online</b>	2012
Louisiana Geographic Information Center (LAGIC) training workshop and certificate of completion	
<b>The New Federal Addressing Standard</b>	2012
Louisiana Geographic Information Center (LAGIC) training workshop and certificate of completion	
<b>Introduction to ArcGIS 9.x – Part 1</b>	2009
Certificate of completion issued by ESRI Italia c/o MAPPAMONDO GIS	
<b>DiveGIS: GIS and Remote Sensing Methods for Marine Scientists</b>	2009
Certificate of completion issued by MAPPAMONDO GIS <a href="#">Using Geospatial Technologies to Engage the Public in Ocean Science</a> (5 minute Lightning Talk)	
<b>Medical Certifications</b>	
Emergency Wilderness First Aid	2002
First Aid and CPR	2003, 2006
AHA’s Healthcare Provider: CPR & AED	2013, 2016
<b>SCUBA Certifications</b>	
Open Water Diver and Dry Suit Diver, SSI	2002
Advanced Open Water and Nitrox, NAUI	2006
Oxygen Administrator, YMCA SCUBA	2006
Specialty Diver: Peak Performance Buoyancy, and Specialty Diver: AWARE Fish Identification, PADI	2009
Project AWARE Specialty, PADI	2009

---

---

**PROFESSIONAL DEVELOPMENT** (continued...)
 

---

*Conferences and Workshops*

<b>Offshore Oil Platform Decommissioning Forum</b> (Long Beach, CA)	January 12-14, 2020
<b>Energy Safety, Security, &amp; Sustainability” AEE SoCal Conference</b> (Downey, CA)	September 19, 2019
<b>“Resiliency and Energy for Public Agencies” Energy Coalition Event</b> (Long Beach, CA) – Invited Speaker	August 29, 2019
<b>California Climate Action Planning Conference</b> (San Luis Obispo, CA)	August 15-16, 2019
<b>Long Beach’s Peninsula: A Candidate for Managed Retreat? Planning Meeting</b> (Long Beach, CA)	July 27, 2019
<b>‘Wildfire: What Cities Can Do’ Conference</b> (Los Angeles, CA)	June 14, 2019
<b>‘Safe Clean Water’ Draft Review</b> (South Gate, CA)	June 10, 2019
<b>Long Beach Climate Action &amp; Adaptation Plan (CAAP) Business Working Group</b> (Long Beach, CA)	January 10, 2019
<b>CSULB’s Zero Waste Workshop</b> (Long Beach, CA)	November 26, 2018
<b>CSULB Resilience Meeting and Charrette Debrief</b> (Long Beach, CA)	November 15, 2018
<b>Fourth Climate Change Symposium – LA Region</b> (Long Beach, CA)	November 2, 2018
<b>CSULB’s Annual 24-hour Climathon</b> (Long Beach, CA) – Invited Speaker and Climathon Judge	October 26-27, 2018
<b>‘Our County’ Workshops</b> (Los Angeles, CA) Water & People (July 23); Waste & Resource Management (Sept. 28); Public Health & Air Quality (Oct. 3)	2018
<b>California Adaptation Forum</b> (Sacramento, CA)	August 27-29, 2018
<b>CSULB’s Climate Charrette – Invited Speaker</b>	March 2, 2018
<b>Esri Ocean GIS Forum</b> (Redlands, CA)	November 1-2, 2017
<b>Citizen Science Association Annual Conference</b> (St. Paul, MN)	May 17-20, 2017
<b>TreePeople’s Rainwater Harvesting Workshop</b> (Beverly Hills, CA)	February 4, 2017
<b>Climate Change Messaging that Works: A Psychological Approach Forum &amp; Workshop</b> (Long Beach, CA)	November 2-3, 2016
<b>California Adaptation Forum</b> (Long Beach, CA) Engaging Communities in Effective Problem Solving (Pre-Forum Workshop)	September 7-9, 2016 September 5, 2016
<b>Esri’s Education GIS Conference &amp; Esri’s International User Conference</b> (San Diego, CA) 3 <sup>rd</sup> Place in the “Best Science, Technology, & Education Story Map” Category for Esri’s Storytelling with Maps Contest	June 27 – July 1, 2016
<b>7<sup>th</sup> Annual Blue Tech &amp; Blue Economy Summit</b> (San Diego, CA)	November 9-10, 2015
<b>Esri Ocean GIS Forum</b> (Redlands, CA)	November 4-6, 2015
<b>Global MPA Summit</b> (Redlands, CA)	November 2-3, 2015
<b>AdaptLA Sea Level Rise &amp; Coastal Impacts Planning: Los Angeles Region</b> Initial Coastal Storms Modeling Results Workshop (Santa Monica, CA)	October 21, 2015
<b>Climate Change Impacts and Actions Forum</b> (Long Beach, CA)	September 2, 2015
<b>Esri International User Conference</b> (San Diego, CA) Received Esri’s Special Achievement in GIS (SAG) Award	July 20-24, 2015
<b>Esri Ocean GIS Forum</b> (Redlands, CA)	November 5-7, 2014
<b>Esri International User Conference</b> (San Diego, CA)	July 14-18, 2014
<b>Esri Ocean GIS Forum</b> (Redlands, CA)	November 5-7, 2013
<b>Esri User Conference</b> (San Diego, CA)	July 8-12, 2013
<b>2nd International Symposium on Geospatial Health (GnosisGIS; New Orleans, LA)</b>	December 4-7, 2008
<b>11<sup>th</sup> International Coral Reef Symposium (ICRS; Fort Lauderdale, FL)</b>	July 7-11, 2008
<b>33<sup>rd</sup> Conference of the Association of Marine Laboratories of the Caribbean (AMLC; St. Thomas, USVI)</b>	June 4-8, 2007
<b>Joint Meeting of Ichthyologists and Herpetologists</b> (Tampa, FL)	July 6-11, 2005

---

## Jennifer Lentz's Curriculum Vitae

---

### PROFESSIONAL DEVELOPMENT (continued...)

---

#### Webinars

<b>Resilience Planning in Response to SB-379</b> (hosted by ARCCA)	October 3, 2019
<b>Public Participation: How to Authentically engage Communities</b> (hosted by CRC and ILG)	August 8, 2019
<b>Scanning the Adaptation Field: Past, Present, and Emerging Needs</b> (hosted by ARCCA)	July 23, 2019
<b>A Sneak-Peek at Two AEC Climate &amp; Health Sessions</b> (co-hosted by NEHA & ecoAmerica)	May 23, 2018
<b>Climate Change Attitudes in LA– Path to Positive LA Initiative</b> (co-hosted by Climate Resolve & ecoAmerica)	May 9, 2018
<b>Thinking Concretely About Climate Change</b>	October 19, 2017
<b>AdaptLA Sea Level Rise &amp; Coastal Impacts Webinar Series</b>	
Los Angeles Basin Study – Unlocking the Future of Stormwater Capture	April 27, 2016
Legal Issues & Opportunities for Sea Level Rise Planning in CA: A Primer for Non-Lawyers	September 16, 2015
LA Regional Sea Level Rise Modeling Update	July 14, 2015

---

### LEADERSHIP EXPERIENCE

---

<b>Aquarium of the Pacific (AOP)</b>	Long Beach, CA
<b>Leadership Roles and Trainings</b> at the Aquarium of the Pacific	2013– Present
Routinely serve as the department's "Area Captain," ensuring that all of our volunteers and paid staff received their schedules, were trained on their duties, and is the department's point person for anything that occurred on that given day.	
Create and lead trainings for staff and volunteers, along with workshops for the general public.	
Teach marine education programs (pre-K to Adult) and co-lead summer camps (pre-k to elementary school).	
Completed a 10-week Management Training on effective leadership.	
<b>Louisiana State University (LSU)</b>	Baton Rouge, LA
<b>Graduate Representative</b> on LSU's <b>Campus Committee for Sustainability (CCS)</b>	2010 - 2012
CCS serves in an advisory role to the Chancellor with a mission to research and evaluate new and innovative measures through which the University can continuously improve its impact on the environment.	
By conducting operations in a sustainable manner, LSU plays a positive role in the future of the planet while being fiscally responsible and serving as a leader in environmentally-friendly initiatives among peer institutions across the country.	
<b>Graduate Representative</b> on LSU's <b>Sustainability Curriculum in Education (SCurrE) Committee</b>	2011
The SCurrE Committee works to advance the concept of sustainability in curriculum across disciplines, foster communication and collaboration among university stakeholders, and assist LSU Campus Sustainability on curriculum issues	
<b>President of the Coast and Environment Graduate Organization (CEGO)</b>	2010- 2011
CEGO's mission was to enrich the graduate experience of students interested in marine and environmental issues and promote environmental conscientiousness throughout the surrounding community.	
Coordinated education outreach booths for a number of events both on and off campus.	
Created the "Green Initiative," which was an environmental awareness campaign designed to incorporate sustainability into the daily lives of the students, faculty and staff in the building.	
Organized the 12th Annual Graduate Student Symposium (GSS) for graduate students across the southeast.	
Created and Maintained CEGO's website, along with email accounts for organization representatives.	
<b>Member of the Dean's Leadership Committee for LSU's School of Coast &amp; Environment (SC&amp;E)</b>	2010 - 211
This committee served in an advisory role to the Dean with a mission to create a high caliber education and research atmosphere within SC&E, and promote SC&E's activities to the Baton Rouge and global community	
<b>Louisiana Girl Scouts</b>	Louisiana
<b>Ropes Course Facilitator</b> at a local Louisiana Girl Scout Camp	2006 - 2011
<b>Hamilton College</b>	Clinton, NY
<b>Adirondack Adventure Leader</b>	2002-2005
New student orientation program involving wilderness education, camping trips and team building activities	

---

**HONORS & AWARDS**


---

<b>Sustainability Spotlight: Climate Resiliency Guides</b>	2018
The Aquarium of the Pacific's Climate Resiliency Guides were recognized by the Long Beach Office of Sustainability. These guides are summaries of the 2015 Climate Resiliency report I co-authored, and are handed out to community members at the Climate Resilience booth I oversee (for more information see: <a href="https://bit.ly/2tZLVYq">https://bit.ly/2tZLVYq</a> )	
<b>Esri's Story Map Award</b>	2016
The Southern California Steelhead Story Map I created for the Aquarium of the Pacific received <b>3rd Place</b> in the <b>2016 Esri Storytelling with Maps Contest</b> at the <b>Annual Esri User Conference (UC)</b> in San Diego, CA. View the story map online at: <a href="http://arcg.is/1LPXXti">http://arcg.is/1LPXXti</a>	
<b>Esri's Special Achievement in GIS (SAG) Award</b>	2015
"The SAG Awards identify the organizations and people who are using the power of geography to make our world a better place," - Esri President Jack Dangermond. "This award is given to user sites around the world to recognize outstanding work with GIS technology. Your organization stood out from more than 100,000 others." - Esri Award letter	
<b>Esri's Story Map Award</b>	2014
The Southern California Steelhead Story Map I created for the Aquarium of the Pacific received <b>1st Place at Esri's 2014 Ocean GIS Forum</b> in Redlands, CA. View the story map online at: <a href="http://arcg.is/1LPXXti">http://arcg.is/1LPXXti</a>	
<b>CEGO Leadership &amp; Service Award</b>	2010 - 2011
For "outstanding leadership, initiative, and dedication in service to CEGO," which is LSU's Coast and Environment Graduate Organization (CEGO)	
<b>Tom W. Dutton Service Award</b>	2010 - 2011
This award is presented to a female undergraduate or graduate student for outstanding service to the University community through participation and leadership in community service activities while attending LSU	
<b>Certificate of Appreciation from the Embassy of the Federal Republic of Germany</b>	2010
"For outstanding contribution to the Transatlantic Climate Bridge initiative and dedication to raising awareness about energy conservation and protecting our planet on LSU's campus"	
<b>Board of Regents Graduate Fellowship</b>	2005 - 2009
The Louisiana Educational Quality Support Fund provides fellowships for exceptionally qualified M.F.A. and doctoral students. These awards are valued at \$12,000 to \$20,000+ per year for up to four years	
Graduated <b>Cum Laude</b> from Hamilton College	2005
<b>Interdisciplinary Concentration Honor</b> from Hamilton College	2005
<b>Elihu Root Fellowship</b> from Hamilton College	2005
\$5,000 award granted to members of the senior class who have shown high achievement and special aptitude for research in one or more of the departments of science and who plan to pursue graduate study in science	
Inducted into <b>Sigma Xi</b>	2005
<b>Jug Bay Summer Fellow</b>	2004
A monetary award (stipend) provided by "The Friends of Jug Bay," a non-profit organization, to support students during their 3 month summer research internship at Jug Bay Wetlands Sanctuary in Lothian, MD.	
<b>Alexander Hamilton 100 Best Writers Award</b> at Hamilton College	2003
<b>Alexander Hamilton 100 Best Writers Award</b> at Hamilton College	2002
<b>Dean's List</b> at Hamilton College (5 out of 7 semesters)	2001 - 2005
<b>Science Research Award</b> at St. Gregory College Preparatory School	2001
<b>Art Department Award</b> at St. Gregory College Preparatory School	2001
<b>High Honor Roll</b> at St. Gregory College Preparatory School	1998 - 2001
<b>Honor for Exemplary Service in the promotion of Literacy</b>	1999
Presented on behalf of the International Reading Association and Tucson Area Reading Council (TARC)	

---

---

**PRESENTATIONS**

---

*Invited Presentations*

- Lentz JA** (2020) Creating a Climate Resilient California using Nature-based Solutions (Keynote). California Garden Club, Inc (CGCI)'s 2020 Winter Board Meeting on February 4, 2020, in Long Beach, CA. National Garden Club (NGC) Tri-Refresher credit available to presentation attendees.
- Lentz JA** (2020) Sustainability & Resilience at the Aquarium of the Pacific (Keynote). California Water Environment Association (CWEA)'s 47th Annual Pretreatment, Pollution Prevention, & Stormwater (P3S) Conference, on January 28, 2020 in Long Beach, CA. Attendees earned 1 CWEA Contact Hour for attending this presentation.
- Lentz JA** (2019) Creating a Climate Resilient Long Beach. Invited presentation and panelist at the Ocean Resiliency Gala – A Call to Action event, on November 12, 2019 in Long Beach, CA.
- Lentz JA** (2019) One of three local experts invited to discuss climate change and other issues showcased during the screening of “The Human Element” documentary. A Breathe LA California Clean Air Day ticketed event, held at the Laemmle Monica Film Center, on October 3, 2019 in Santa Monica, CA.
- Lentz JA** (2019) Sustainability & Resilience at the Aquarium of the Pacific. Invited presentation, as part of the Energy Coalition's “Resiliency & Energy for Public Agencies” event on August 29, 2019 in Long Beach, CA.
- Lentz JA** (2019) Building a Climate Resilient Long Beach. Grant Neighborhood Association (GNA) monthly meeting held on July 11, 2019, in Long Beach, CA.
- Lentz JA** (2019) Urban Growth and Building for People. Panel Discussion, as part of the First Annual Long Beach Architecture Week. Studio One Eleven, Long Beach, CA. June 5, 2019. ([Event Link](#))
- Lentz JA** (2019) Aquarium of the Pacific's Climate Resilience Work. Long Beach Sustainable City Commission. May 23, 2019.
- Lentz JA** (2019) Climate Impacts on High Risk Age Groups in Long Beach. Extreme Heat in Long Beach, Staying Safe & Solving Climate Change, City of Long Beach Climate Action & Adaptation Plan (CAAP) Event. March 30, 2019.
- Lentz JA** (2019) Climate Solutions for Long Beach. Presentation and Panel Discussion at the Extreme Heat in Long Beach, Staying Safe & Solving Climate Change, City of Long Beach CAAP Event. March 30, 2019.
- Lentz JA** (2019) Building a Climate Resilient Long Beach. AOC7's monthly meeting on February 6, 2019, in Long Beach, CA.
- Lentz JA** (2018) Current & Future Climate Impacts for the City of Long Beach. CSULB's Climathon, on October 26, 2018, in Long Beach, CA. Also served as a Judge for the project competition.
- Lentz JA** (2018) Current & Future Climate Impacts for the City of Long Beach. California State University Long Beach (CSULB)'s 2018 Resilience Charrette, on March 2, 2018, in Long Beach, CA.
- Lentz, JA** (2016) One of five professionals invited to speak at CSULB's Green Careers Panel on October 25, 2016.
- Lentz JA** (2015) Coral Health – Understanding the Animal, Ecosystem, and Stressors from a Spatial Point of View. American Cetacean Society's Orange County Chapter (ACS-OC).

*Guest Lectures*

- Lentz JA** (2017) Using GIS & Citizen Science apps to incorporate Inquiry-based learning in your K-12 Classrooms. Guest lecture for the Boeing Teacher Institute (BTI) K-12 teacher workshop hosted by the Aquarium of the Pacific.
- Lentz JA** (2016, 2015) How to use GIS in your K-12 Classrooms. Guest lecture for the Boeing Teacher Institute (BTI) K-12 teacher workshop hosted by the Aquarium of the Pacific.
- Lentz JA** (2014) Storytelling with Maps. Guest lecture for the Boeing Teacher Institute (BTI) K-12 teacher workshop hosted by the Aquarium of the Pacific.
- Lentz JA** (2013) An Introduction to GIS and Spatial Data. Guest lecture for the “Our Instrumented Earth” NASA Teacher Workshop, co-hosted by the Aquarium of the Pacific.
- Lentz JA** (2013) Story Telling with Maps. Guest lecture for the Boeing Teacher Institute (BTI) K-12 teacher workshop hosted by the Aquarium of the Pacific.
- Lentz JA** (2010) “Coral Reef Stressors.” A 90 minute guest lecture for Dr. Paul LaRock's undergraduate Introduction to Oceanography course at Louisiana State University (LSU) on April 29, 2010 in Baton Rouge, Louisiana.
- Lentz JA** (2009) “Coral Reef Ecology.” A 90 minute guest lecture for Dr. Nan Walker's Introduction to Oceanography at LSU on October 27, 2009 in Baton Rouge, Louisiana.
- Lentz JA** (2009) “Global Climate Change: An Introduction to the IPCC & the 2007 IPCC Synthesis Report.” A 90 minute guest lecture for Dr. Nan Walker's Introduction to Oceanography course at LSU on October 29, 2009 in Baton Rouge, Louisiana.
- Lentz JA** (2006) “Coral Diseases.” A guest lecture for a graduate-level Coral Reef Ecology course at the Louisiana Universities Marine Consortium (LUMCON) in Chauvin, Louisiana. *Summer 2006.*
-

---

**PRESENTATIONS** (continued...)

---

**Oral Presentations**

- Massey L, Ziegler H, Davis D, **Lentz J**, Morrison P (2017) Personal Impact and Awareness: A Case Study Examining the Effects of Citizen Science Involvement. 2<sup>nd</sup> Annual Citizen Science for Conservation in Southern California Symposium (CSCSCS), hosted by the Aquarium of the Pacific on Saturday, March 4<sup>th</sup>, 2017.
- AOP** (2016) City of Long Beach Climate Resiliency Assessment Report. Prepared by the Aquarium of the Pacific (AOP), for the City of Long Beach, California. Presentation draft available online at: [http://jenniferlentz.info/Research/Publications/CLB\\_Climate\\_Resiliency\\_Assessment%20Report\\_Presentation.pdf](http://jenniferlentz.info/Research/Publications/CLB_Climate_Resiliency_Assessment%20Report_Presentation.pdf)
- Lentz JA** (2015) More than a Fish Tank – GIS at the Aquarium. Esri Ocean GIS Forum, Redlands, CA.
- Lentz JA** (2014) Using Geospatial Technologies to Engage the Public in Ocean Science. Esri Ocean GIS Forum, Redlands, CA.
- Lentz JA** (2012) Developing a Geospatial Protocol for Coral Epizootiology. Louisiana State University, Baton Rouge, Louisiana. Oral presentation of dissertation research on March 29th, 2012 from 1-2pm (CST), open to the public and part of my Doctoral Defense.
- Lentz JA** (2009) An examination of how spatial analysis can be used to better understand coral health. LSU's School of the Coast and Environment's Graduate Student Symposium (GSS), Baton Rouge, Louisiana.
- Lentz JA** (2009) An examination of how GIS and spatial analysis can be used to better understand coral health. Graduate Student Symposium (GSS), Dauphin Island, Alabama.
- Lentz JA** (2008) Can GIS-based spatial analysis be used to better understand the decline in Caribbean coral health? 2<sup>nd</sup> International Symposium on Geospatial Health (GnosisGIS), New Orleans, Louisiana.
- Lentz JA**, Curtis AJ, Sammarco PW, Mayor PA (2008) Applying Medical Geography to Identify Spatial Hotspots of Coral Diseases. 11th International Coral Reef Symposium, Fort Lauderdale, Florida.
- Lentz JA** (2008) Using Medical Geography to Study Spatio-Temporal Patterns of Coral Bleaching. Graduate Student Symposium (GSS), Louisiana University's Marine Consortium (LUMCON), Chauvin, Louisiana.
- Lentz JA** (2008) How GIS-based Spatial Analysis can further our understanding of Coral Diseases. LSU's Annual Ecology/Environment Ecoforum.
- Lentz JA**, Curtis AJ, Sammarco PW (2007) Designing a Methodology for the Identification of Significant Coral Disease Clusters. 33rd Conference of the Association of Marine Laboratories of the Caribbean (AMLC), St. Thomas, USVI.
- Schelten CK, Brown S, Gurbisz CB, Kautz B, **Lentz JA** (2004) Status of *Acropora palmata* populations off the coast of South Caicos, Turks and Caicos Islands. 57th Gulf & Caribbean Fisheries Institute Meeting. St. Petersburg, FL.

**Poster Presentations**

- Davis C, Ramon B, Burkhead K, **Lentz J** (2018) Onshore Sea Turtle Observation and Monitoring. 3<sup>rd</sup> Annual Citizen Science for Conservation in Southern California Symposium (CSCSCS), hosted by the Aquarium of the Pacific on Saturday, March 24<sup>th</sup>, 2018.
- Lentz J**, Davis C (2017) Offering a Variety of Citizen Science Programs to Engage the Public in Hands-on Science. Citizen Science Association (CSA) Conference on May 17-20<sup>th</sup>, 2017 in Saint Paul, MN.
- Davis C, Ramon B, **Lentz J**, Lawson D (2017) Data Quality in Citizen Science: Applying Technology to Assess and Analyze Volunteer Participation in Marine Wildlife Research. CSA Conference on May 17-20<sup>th</sup>, 2017 in Saint Paul, MN.
- Davis C, Ramon B, **Lentz J**, Lawson D (2017) Data Quality in Citizen Science: Applying Technology to Assess Volunteer Participation in Marine Wildlife Research. 2<sup>nd</sup> Annual Citizen Science for Conservation in Southern California Symposium (CSCSCS), hosted by the Aquarium of the Pacific on March 4<sup>th</sup>, 2017.
- Davis C, Merrill D, **Lentz J** (2017) Harmful Algal Bloom Watch (HABwatch): Long Beach. 2<sup>nd</sup> Annual Citizen Science for Conservation in Southern California Symposium (CSCSCS), hosted by the Aquarium of the Pacific on March 4<sup>th</sup>, 2017.
- Lentz JA**, Swarth CW, Williams EH (2005) Home range and habitat preferences of Eastern Box Turtles (*Terrapene carolina carolina*) at Jug Bay Wetlands Sanctuary, Maryland. Joint Meeting of Ichthyologists and Herpetologists, Tampa, FL

**Webinars**

- Wright D, **Lentz J** (2015) An Ocean of Story Maps. Webinar presented by Dawn Wright, Chief Scientist at Esri, and Jenny Lentz, Education Coordinator at the Aquarium of the Pacific. Co-Sponsored by the EBM Tools Network. Originally aired on January 20, 2015. Available online at: <https://vimeo.com/117318293>.



---

**PUBLICATIONS**


---

- AOP** (2018) Proceedings of the 3<sup>rd</sup> Annual Citizen Science for Conservation in Southern California Symposium (CSCSCS) **Lentz JA**, Davis CM [eds]. Aquarium of the Pacific (AOP), Long Beach, California: 322pp. Available online at: [http://www.aquariumofpacific.org/downloads/cscscs2018\\_proceedings.pdf](http://www.aquariumofpacific.org/downloads/cscscs2018_proceedings.pdf).
- AOP** (2017) Proceedings of the 2<sup>nd</sup> Annual Citizen Science for Conservation in Southern California Symposium (CSCSCS) **Lentz JA**, Davis CM [eds]. Aquarium of the Pacific (AOP), Long Beach, California: 307pp. Available online at: [http://www.aquariumofpacific.org/downloads/cscscs2017\\_proceedings.pdf](http://www.aquariumofpacific.org/downloads/cscscs2017_proceedings.pdf).
- Lentz JA**, Yam E, LeBeau A, Bader D (2016) Chapter 12 More Than Maps: Connecting Aquarium Guests to Global Stories. In: *Ocean Solutions, Earth Solutions, 2<sup>nd</sup> Edition*, edited by Wright DJ, 221-242.
- Lentz JA**, Thompson K (2016) Citizen Science for Conservation in Southern California Symposium Report. Aquarium of the Pacific (AOP), Long Beach, California: 26pp. Available online at: <http://www.aquariumofpacific.org/downloads/CitSci-Symposium-Report.pdf>.
- AOP** (2015) City of Long Beach Climate Resiliency Assessment Report. Prepared by the Aquarium of the Pacific (AOP), for the City of Long Beach, California: 89p. Available online at: [http://www.aquariumofpacific.org/downloads/AOPs\\_2015\\_Report\\_on\\_Resiliency\\_\(1-7-16\).pdf](http://www.aquariumofpacific.org/downloads/AOPs_2015_Report_on_Resiliency_(1-7-16).pdf).
- AOP** (2015) City of Long Beach Climate Resiliency Assessment Report Appendices. Prepared by the Aquarium of the Pacific (AOP), for the City of Long Beach, California: 111p. Available online at: [http://www.aquariumofpacific.org/downloads/AOPs\\_2015\\_Report\\_on\\_Resiliency\\_-\\_Appendices\\_\(1-7-16\).pdf](http://www.aquariumofpacific.org/downloads/AOPs_2015_Report_on_Resiliency_-_Appendices_(1-7-16).pdf).
- Lentz JA**, Yam E, LeBeau A, Bader D (2015) Chapter 12 More Than Maps: Connecting Aquarium Guests to Global Stories. In: *Ocean Solutions, Earth Solutions*, edited by Wright DJ, 223-244.
- Lentz JA** (2012) Developing A Geospatial Protocol For Coral Epizootiology. Louisiana State University, Doctoral Dissertation. 321 pp. Available online at: [http://jenniferlentz.info/Research/Publications/Lentz\\_2012\\_Doctoral\\_Dissertation.pdf](http://jenniferlentz.info/Research/Publications/Lentz_2012_Doctoral_Dissertation.pdf).
- Lentz JA**, Blackburn JK, Curtis AJ (2011) Evaluating Patterns of a White-band Disease (WBD) Outbreak in *Acropora palmata* Using Spatial Analysis: A Comparison of Transect and Colony Clustering. *PLoS ONE* 6(7):e21830. Available online at: <http://journals.plos.org/plosone/article?id=10.1371/journal.pone.0021830>.
- Schelten CK, Brown S, Gurbisz CB, Kautz B, **Lentz JA** (2006) Status of *Acropora palmata* populations off the coast of South Caicos, Turks and Caicos Islands. 57<sup>th</sup> Gulf and Caribbean Fisheries Institute Meeting. St. Petersburg, Florida. Proc Gulf Caribb Fish Inst 57:665-678.
- Lentz JA** (2005) Home Range and Habitat Preferences of *Terrapene carolina carolina* at Jug Bay Wetlands Sanctuary, Maryland. Hamilton College Undergraduate Thesis. 340 pp. Available online at: [http://jenniferlentz.info/Research/Publications/Lentz\\_2005\\_Undergraduate\\_Thesis.pdf](http://jenniferlentz.info/Research/Publications/Lentz_2005_Undergraduate_Thesis.pdf).
- Lentz JA** (2004) Home Range and Habitat Preferences of *Terrapene carolina carolina* at Jug Bay Wetlands Sanctuary, Maryland. Technical Report of the Jug Bay Wetlands Sanctuary. Lothian, MD: 21pp. Available online at: [http://jenniferlentz.info/Research/Technical\\_Reports/Lentz\\_2004--JugBay-TechnicalReport.pdf](http://jenniferlentz.info/Research/Technical_Reports/Lentz_2004--JugBay-TechnicalReport.pdf).
- Lentz JA** (2004) Are South Caicos *Acropora palmata* populations infected by diseases? Marine Resource Center Directed Research Project; South Caicos, TCI, School For Field Studies: 17pp. Available online at: [http://jenniferlentz.info/Research/Technical\\_Reports/Lentz\\_2004--SFS-DirectedResearchPaper.pdf](http://jenniferlentz.info/Research/Technical_Reports/Lentz_2004--SFS-DirectedResearchPaper.pdf).

**Published Figures**

- Figures 1, 6, 7, and 8** in Fry B (2011) Mississippi River sustenance of brown shrimp (*Farfantepenaeus aztecus*) in Louisiana coastal waters. *Fisheries Bulletin* 109(2):147-161.
- Figure 1** in Garcia AC, Bargu S, Dash P, Rabalais NN, Sutor M, Morrison W, Walker ND (2009) Evaluating the potential risk of microcystins to blue crab (*Callinectes sapidus*) fisheries and human health in a eutrophic estuary. *Harmful Algae* 9(2): 134-143.

---

**HANDOUTS & TUTORIALS**

---

- Lentz JA** (2017) Adding Observations to Projects & Doing Batch Editing in iNaturalist. 2 page step-by-step tutorial.
- Lentz JA** (2017) iNaturalist Training. A 34 slide step-by-step training designed to show volunteers how to use the iNaturalist app and website. This tutorial is intended for training purposes only.
- Lentz JA** (2016) Southern California Tidepool Organisms – Quick Reference ID sheet. 2pp.
- Lentz JA** (2014) Creating “Map Tour” Story Maps – How to create a Map Tour Story Map quickly and easily using your smartphone or tablet, and your ArcGIS Online Organization Account. A 10 page step-by-step tutorial.
- Lentz JA** (2013) GIS Wildlife Data Tutorial – How to Find, Map, & Spatially Analyze Wildlife Data in a GIS System. A 17 page step-by-step tutorial for people working with ArcGIS online.
- Lentz JA** (2013) Creating Story Maps Online – How to make an ESRI Storytelling Interactive webmap. A 13 page step-by-step tutorial for people working with ArcGIS online.
- Lentz JA** (2011) CEGO WebMaster Tutorial. 62 page step-by-step introduction to web design for CEGO officers.
- Lentz JA** (2010) SC&E General Information Handbook. LSU's School of the Coast and Environment (SC&E). 25pp.
- Lentz JA** (2009) Writing Basics Handout. A 7 page general guide on common writing errors, proper use of quotations, figure and table format, and common citation and reference styles.
- Lentz JA** (2008) How to Create Maps & Figures in ArcGIS 9x, a 15 page step-by-step guide.

---

**PROFESSIONAL AFFILIATIONS**

---

*Appointed Positions*

- |  |                |
|--|----------------|
| <b>Association of Energy Engineers Southern California Chapter (AEE SoCal)</b><br>Board of Directors and Co-Chair of the Sustainability Committee  | 2019 – Present |
| <b>LA County's Sensitive Ecological Areas Technical Advisory Committee (SEATAC)</b><br>Appointed to a 3 year term on the committee by the Director of Los Angeles County's Department of Regional Planning | 2019 – 2022    |
| <b>National Adaptation Forum (2021)</b> , Equity and Climate Justice Working Group   | 2019 – 2021    |
| <b>Sigma Xi</b> , Inducted by the Hamilton College Chapter   | 2005 – Present |

*Professional & General Memberships*

- |   |                |
|---|----------------|
| <b>American Society of Adaptation Professionals (ASAP)</b>  | 2019 – Present |
| <b>Association of Women in Water, Energy, &amp; Environment (AWWEE)</b>                               | 2020– Present  |
| <b>California Water Environment Association (CWEA)</b>  | 2020– Present  |
| <b>Climate Reality – Los Angeles Area Chapter</b>   | 2019 – Present |
| <b>EcoDistricts</b> , Member  | 2019 – Present |
| <b>LA Regional Collaborative (LARC) for Climate Action and Sustainability</b> , Organizational Member | 2018 – Present |
| <b>US Green Building Council (USGBC) – Los Angeles Area Chapter &amp; Long Beach Branch</b>           | 2018 – Present |

---

**SERVICE**

---

- |  |                |
|--|----------------|
| <b>Volunteer</b> – US Green Building Council (USGBC), Legacy Project & Gala volunteer                                    | 2019 – Present |
| <b>Volunteer</b> – IDigLB Tree Planting in the City of Long Beach  | 2017 – Present |
| <b>Volunteer</b> – beach and neighborhood clean-ups  | 2014 – Present |
| <b>Judge</b> – Intel ISEF, the largest international science fair in the world   | May, 2014      |
| <b>Citizen Lobbyist</b> – trained by the Sierra Club to communicate directly with legislators about environmental issues | 2013           |
| <b>Volunteer</b> – Sierra Club's well monitoring program in the San Pedro Riparian National Conservation Area            | 2013           |
| <b>Judge</b> – School, State and Regional Science Fairs (Elementary, Middle, and High School Students)                   | 2006 – 2016    |
| <b>Volunteer</b> – BLM's Sonoran Desert Landscape Restoration Project at the Ironwood Forest National Monument           | 2012           |
| <b>Booth Organizer</b> – at LSU's Transatlantic Climate Bridge event   | 2010           |
| <b>Volunteer</b> – Louisiana's Annual Earth Day event in downtown Baton Rouge, <b>Booth Organizer</b> in 2011            | 2007 – 2012    |
| <b>Volunteer</b> – Annual Beach Sweep Event in New Orleans and the LSU Lakes Areas, <b>Organizer</b> in 2010             | 2005 – 2011    |
| <b>Volunteer</b> – Louisiana Sea Grant's “Ocean Commotion” event for K-4 students, <b>Booth Organizer</b> in 2010        | 2005 – 2011    |

Additional information (including copies publications, lectures, & handouts) can be found online at: <http://JenniferALentz.info/>