

# Jennifer A. Lentz, Ph.D.

## Accomplished Professional Dedicated to Creating Climate Resilient Communities and Ecosystems

Passionate geospatial environmental ecologist, looking to leverage my scientific, technical, and professional experience to facilitate creating more climate resilient communities, companies, and ecosystems. I am excited to combine my expertise in dealing with multi-disciplinary, complex problems with my passion for listening to and working with community members and stakeholders to spread hope and resilience throughout Southern California and beyond.

### CONTACT INFO

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### AREAS OF EXPERTISE

Resilience and Sustainability Strategies  
Climate Change Impacts  
Communicating Scientific Information  
Community Outreach  
Green Building Practices and Principles  
Citizen/Community Science Programs  
Environmental Ecology  
Oceanography and Coastal Sciences  
Spatial Epidemiology

### ADDITIONAL INTERESTS

Energy Efficiency and Climate-Proofing  
Stormwater Management  
Improving Air Quality  
Water Conservation  
Urban and Community Planning  
Equity and Environmental Justice  
Reducing Urban Heat Island Effect  
Transportation & Mass Transit  
Emergency Preparedness

### KEY SKILLS

Critical Thinking and Problem-Solving  
Editing and Attention to Detail  
Organization and Strategic Planning  
Reports and Presentations  
Research and Data Analysis  
Collaboration and Team Work  
Staff Training and Development  
Leadership

### PROFESSIONAL EXPERIENCE

**Education Coordinator** – for *Climate Resilience & Community Science Programs* (2015 – Present)  
*Aquarium of the Pacific, Long Beach, CA*  
- Co-authored the [City of Long Beach Climate Resiliency Assessment Report](#) commissioned by Mayor Garcia during his 2015 State of the City Address  
- Manage the Aquarium's Climate Resilient Outreach Program and Social Media (@resilientLbaop)  
- Manage the Aquarium's Community Science Programs, and organize the Aquarium's annual Citizen Science for Conservation in Southern California (CSCSC) Symposium  
- Run the Aquarium's annual Reuse-A-Palooza event, and 2-day Earth Day Festal and E-Waste Drive  
- Develop static and interactive educational materials that use GIS to connect people to science  
Online examples of this work include the Aquarium's award-winning story maps  
- Active member of the Aquarium's EOC, which is their emergency response program

**Education Specialist** (2013 – 2015) and **Marine Science Fellow** (Apr. – Sept. 2013)  
*Aquarium of the Pacific, Long Beach, CA*

**GIS Facilitator** (2010 – 2012)  
*Louisiana State University (LSU), Baton Rouge, LA*  
Created an interactive, map-based website linked to a geospatial database for all of LSU's School of the Coast and Environment's research, & produced figures for publication.

**Communications and Development Intern** (2002 – 2005)  
*Hamilton College, Clinton, NY*  
Assisted development officers in preparing for cultivation and solicitation visits

### CERTIFICATIONS AND TRAININGS

**EcoDistricts Accredited Professional** (December 29, 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.

**Climate Change Communication, Science, & Action** (October 15, 2019)  
6-week interactive online course offered by the Cornell University Civic Ecology Lab and the Cornell Institute for Climate Smart Solutions (CICSS) and accredited through edX Edge and CornellIX.

**U.S. Public Policy: Social, Economic, & Foreign Policies** (August 19, 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.

**International Climate Change Law & Policy** (August 16, 2019)  
4-week interactive online course on "how to critically assess Environmental Economics theory & its application to climate change policy." Accredited through edX and the University of Newcastle.

**Harwood Public Innovators Virtual Lab** (4/01-5/23, 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.

**Ecodesign for Cities and Suburbs** (May, 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.

**Climate Reality Leadership Corps** (3/14-16, 2019)  
Accepted into the *Climate Reality's* 3-day leadership training led by world-renowned scientists and communicators focused on inspiring solutions-based communications.

**LEED® Green Associate™** (12/2018 – 12/2020)  
*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.

**Management Development Program – Pyramid of Performance Certificate** (2016)  
Completed a 10-week training course by Paul G. Allman, President of *Profession Training Services (PTS)*.

## PROFESSIONAL AFFILIATIONS

### APPOINTED POSITIONS

**Association of Energy Engineers (AEE SoCal)**  
Board of Directors (November, 2019)  
Sustainability Committee Co-Chair (July, 2019)

**National Adaptation Forum (2021 NAF)**  
Equity & Climate Justice Working Group

**Significant Ecological Areas Technical Advisory Committee (SEATAC)** for LA County. Appointed to a 3yr term (Feb 2019 –2022)

**Sigma Xi**, Inducted by Hamilton College's Chapter

### GENERAL MEMBERSHIPS

**American Society of Adaptation Professionals (ASAP)**

**Association of Women in Water, Energy, & Environment (AWWEE)**

**California Water Environment Association (CWEA)**

**Climate Reality – LA Area Chapter EcoDistricts**

**LA Regional Collaborative (LARC) for Climate Action & Sustainability**

**US Green Building Council (USGBC) – LA Area Chapter & Long Beach Branch**, Member & Volunteer

## SERVICE

**USGBC-LA Legacy Project**, *Volunteer 2019*

**IDigLB Tree Planting**, *Volunteer 2017-2018*

**Science Fair**, *Judge 2006 – 2017*

**Ropes Course**, *Facilitator 2000 – 2011*

## TECHNICAL SKILLS

### GIS and Spatial Analysis

Proficient at *ArcGIS 9-10x* and *ArcGIS Online*  
Familiar with *ArcView 3x* and *ArcGIS Pro*  
Proficient at *Google Earth*  
Familiar with *Google APIs*

### Graphic Design

Proficient at *Adobe Photoshop*

### Software Platforms

*Microsoft Office Suite*

↳ Expert at *Word* and *PowerPoint*

↳ Highly-Proficient at *Excel* and *Outlook*

↳ Proficient at *Access*, *Publisher*, *SharePoint*

Proficient with online storage platforms, collaborative project boards like *Trello*, communications platforms like *Mailchimp*, citation softwares like *Endnote*, and various social media platforms

### Web Design

Proficient at web design and some coding

## HONORS AND AWARDS

### ESRI's "Special Achievement in GIS (SAG) Award" (2015)

"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

### ESRI's Story Map Award (2016 and 2014)

Southern California Steelhead Story Map received 1<sup>st</sup> Place at *ESRI's* 2014 Ocean GIS Forum and 3<sup>rd</sup> Place at *ESRI's* 2016 User Conference

### CEGO Leadership and Service Award (2010 – 2011)

For "outstanding leadership, initiative, and dedication in service to CEGO"

### Tom W. Dutton Service Award (2010 – 2011)

"For outstanding service to the University community through participation and leadership in community service activities while attending LSU." – Award Letter

### Embassy of the Federal Republic of Germany's Certificate of Appreciation (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"

## 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 47<sup>th</sup> 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 panelists for the post-film discussion following the screening of "The Human Element." A Breathe LA California Clean Air Day 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. Energy Coalition's "Resiliency & Energy for Public Agencies" event on August 29, 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.

**Lentz JA** (2019) Aquarium of the Pacific's Climate Resilience Work. Presentation requested by and for the Long Beach Sustainable City Commission. May 23, 2019.

**Lentz JA** (2019) Climate Impacts in Long Beach. Climate Solutions for Long Beach. Presentations 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** (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.

**Lentz, JA** (2016) One of five professionals invited to speak at CSULB's Green Careers Panel.

**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).

## EDUCATION

### Ph.D. from Louisiana State University, in Baton Rouge, LA (2005 – 2012)

Major: Department of Oceanography and Coastal Sciences

Minor: Department of Geography and Anthropology (with a GIS concentration)

Developing A Geospatial Protocol For Coral Epizootiology. LSU Doctoral Dissertation. 321 pp. Board of Regents Graduate Fellowship (2005-2009)

### B.A. from Hamilton College, in Clinton, NY (2001 – 2005)

Major: Interdisciplinary Concentration (in Environmental Science); Minor: Studio Art

Graduated *Cum Laude* with an Interdisciplinary Concentration Honor & Elihu Root Fellowship (\$5,000) Alexander Hamilton 100 Best Writers Award (2002, 2003)