

MICHELLE MARÍA EARLY CAPISTRÁN | PHD

Hopkins Marine Station
Stanford University
120 Ocean View Blvd,
Pacific Grove, California, U.S.A. 93950

earlycapistran@gmail.com
+1 831 583 5672
<https://earlycapistran.github.io>
Google Scholar: <https://bit.ly/3oWR8yd>
LinkedIn: www.linkedin.com/in/earlycapistran

MAJOR INTERESTS

My research advances the understanding of marine socio-ecosystem dynamics and biodiversity under global change. By fusing cutting-edge ocean science with human dimensions through innovative, collaborative, and community-engaged research, I aim to address critical questions about the population dynamics and biogeography of culturally significant marine species.

EDUCATION

Universidad Nacional Autónoma de México, Ph.D., Marine Science and Limnology	2021
Universidad Nacional Autónoma de México, M.S., Marine Science and Limnology, <i>Cum Laude</i>	2015
Universidad de las Américas-Puebla, Licentiate, Cultural Anthropology, <i>Cum Laude</i>	2009
Universidad Austral de Chile Study Abroad	2005

PROFESSIONAL APPOINTMENTS & RESEARCH EXPERIENCE

Postdoctoral Fellow Stanford University, *Monterey, U.S.A.* 2024-2025

Joint appointment: Oceans Department & Bill Lane Center for the American West

- Merged ecological, oceanographic, and archeological data to analyze green turtle *Chelonia mydas* biogeography under shifting oceanographic conditions (manuscript in prep).
- Published 3 peer-reviewed papers, 2 technical reports, and presented at 3 conferences.
- Developed and taught 1 mixed graduate-undergraduate course, organized 2 professional workshops, mentored 3 PhD students, and gave 5 invited research seminars and guest lectures.

Smith Conservation Research Postdoctoral Fellow Stanford University, *Monterey, U.S.A.* 2022-2024

Mentors: Dr. Larry Crowder (Stanford University) & Dr. Jeff Seminoff (NOAA)

Partner organization: NOAA Southwest Fisheries Science Center.

- Developed community-engaged methods to identify and document rare species sightings under climate change.
- Published 3 peer-reviewed papers, 2 technical reports, and presented at 13 conferences.
- Co-directed 1 undergraduate thesis, mentored 2 masters students and 3 undergraduate students.

Member of the Marine Turtle Specialist Group International Union for the Conservation of Nature (IUCN) Species Survival Commission 2020-Present

East Pacific Region.

- Co-developed global and regional conservation assessments for marine turtles, including Red List assessments.
- Contributed to the vision of developing and supporting strategies, setting priorities, and providing tools that promote and guide the conservation of marine turtles and their habitats.

Graduate Researcher Universidad Nacional Autónoma de México, *Ensenada, Mexico.* 2017-2022

Analyzed conservation trends of endangered green turtles combining social science, ecology, and data science.

- Developed novel methods for quantitative-qualitative data fusion.
- Published 2 first-author articles, presented in 1 international conference.
- Committee member for 1 undergraduate thesis.

Resident Graduate Researcher Centro de Investigación Científica y de Educación Superior de Ensenada, *Ensenada, Mexico*. 2017-2022
Mathematical Ecology Lab.

- Created mathematical models, machine learning implementations, and R code for ecological studies.

Graduate Researcher Universidad Nacional Autónoma de México, *Mexico City, Mexico*. 2012-2014
Assessed human impacts on green turtles in Baja California from 12,000 B.P. to the 21st century.

- Developed quantitative methods to analyze archaeological and ethnohistoric data.
- Generated indexing and coding systems for historical and ethnographic data.
- Implemented digital humanities tools including Qualitative Data Analysis (QDA) and Text Mining.

Researcher Grupo Tortuguero de las Californias, A.C., *La Paz, Mexico*. 2012-2013
Evaluated trends in green turtle abundance and size in Baja California, Mexico.

- Performed ethnographic fieldwork with participant observation and interviews.
- Conducted historical data analysis using textual analysis and grounded theory.
- Applied QDA, Text Mining, and data visualization tools for data analysis.

Research Assistant Benemérita Universidad Autónoma de Puebla (BUAP), *Puebla, Mexico*. 2007-2009

- Conducted ethnographic fieldwork and interviews.
- Performed bibliographical and archival research.
- Published undergraduate thesis as a book by CONACYT.

ACADEMIC PUBLICATIONS

* **Leadership as senior author, corresponding author, or co-first authorship**

Student author

Peer-reviewed articles

Accepted (*draft available upon request*)

- [1] Souza, T, **Early Capistrán, M.M.**, Crowder, L., & Johansen, J.L.. Herbivores in Hot Water: Thermal limits and avoidance of Marine Heatwave conditions by *Acanthurus triostegus*. Coral Reefs.

Published

- [10] Glickman, M., **Early-Capistrán, M. M.***, Ogg, D., & Crowder, L. (2025) Voices from the Ocean: Human-Wildlife Coexistence Through the Lens of Fishermen's Knowledge and Lived Experience. *ResearchSquare*. <https://doi.org/10.21203/rs.3.rs-4797408/v1> (In revision in *npj Ocean Sustainability*).
- [9] Olguín-Jacobson, C., Arafeh-Dalmau, N., **Early Capistrán, M. M.** ... & Micheli, Fiorenza. (2025). Recovery mode: Marine protected areas enhance climate resilience of invertebrate species to marine heatwaves. *Functional Ecology*, 1365-2435.70060. <https://doi.org/10.1111/1365-2435.70060>.
- [8] Wallace, B.P., Bandimere, A., Abreu-Grobois, F.A. ... **Early Capistrán, M. M.**, ... & Mast, Rb. (2025). Updated global conservation status and priorities for marine turtles. *Endangered Species Research*, 56, 247–276. <https://doi.org/10.3354/esr01385>.
- [7] **Early-Capistrán, M. M.**, Crane, N. L., Crowder, L. B., Garibay-Melo, G., Seminoff, J. A., & Johnston, D.. (2024) Ethnobiological methods enhance our capacity to document potential climate sentinels: A loggerhead sea turtle (*Caretta caretta*) case study. *Frontiers in Marine Science*, 11, 1407575. <https://doi.org/10.3389/fmars.2024.1407575>

- [6] McClenachan, L., Rick, T., Thurstan, R... **Early-Capistrán, M.**, ... Van Houtan, K.. (2024) Global research priorities for historical ecology to inform conservation. *Endangered Species Research*, 54, 285–310. <https://doi.org/10.3354/esr01338>
- [5] Cavaleri Gerhardinger, L., Moreira Moura, G. G., McKinley, E., ... & **Early Capistrán, M. M.***. (2024) A Call for a Cultural Shift in Oceanography. *Coastal Management*, 1–13. <https://doi.org/10.1080/08920753.2024.2370214>
- [4] **Early-Capistrán, M. M.**, Solana-Arellano, E., Abreu-Grobois, F. A., Garibay-Melo, G., Seminoff, J. A., Sáenz-Arroyo, A., & Narchi, N. E. (2022). Integrating local ecological knowledge, ecological monitoring, and computer simulation to evaluate conservation outcomes. *Conservation Letters*. <https://doi.org/10.1111/conl.12921>.
- [3] **Early-Capistrán, M.-M.**, Solana-Arellano, E., Abreu-Grobois, F. A., Narchi, N. E., Garibay-Melo, G., Seminoff, J. A., & Saenz-Arroyo, A. (2020) Quantifying local ecological knowledge to model historical abundance of long-lived, heavily-exploited fauna. *PeerJ*, 8 e9494. <https://doi.org/10.7717/peerj.9494>.
- [2] **Early-Capistrán, M.-M.**, Sáenz-Arroyo, A., Cardoso-Mohedano, J.-G., Garibay-Melo, G., Peckham, S. H., & Koch, V. (2018) Reconstructing 290 years of a data-poor fishery through ethnographic and archival research: The East Pacific green turtle (*Chelonia mydas*) in Baja California, Mexico. *Fish and Fisheries*, 19(1), 57-77. <https://doi.org/10.1111/faf.12236>.
- [1] Narchi, N.E., Cariño, M., Mesa-Jurado, M.A., Espinoza, A., Olivos, A., **Early Capistrán, M.M.**, et al. (2018) El CoLaboratorio de Oceanografía Social: espacio plural para la conservación integral de los mares y las sociedades costeras. *Sociedad y Ambiente*, 18(7), 285–301.

Academic Books

- [1] **Early Capistrán, M.M.**, (2010) *Voces del oleaje: ecología política de las tortugas marinas en la costa de Oaxaca* (Voices of the Swell: Political Ecology of Sea Turtles on the Coast of Oaxaca). Puebla, México: ICSyH BUAP/ CONACYT. ISBN: 978-607-487-188-3.

Book chapters

Accepted (*draft available upon request*)

- [1] Kitolelei, S., & **Early-Capistrán, M. M.***. Indigenous Knowledge and Sea Turtle Conservation. In Phillot, A. (Ed.) *Research and Management Techniques for the Conservation of Sea Turtles*. IUCN/SSC Marine Turtle Specialist Group. Washington, DC.

In Revision (*draft available upon request*)

- [1] Narchi, N., Garibay-Toussaint, I., Torre, J., [...], **Early-Capistrán, M. M.**, Tavera-Ortiz, & T., Malpica-Cruz, L. Beyond Domestication: How Fishers Shape and Manage Marine Environments. In Casa, A. (Ed.) *Biodiversity Management and Domestication in the Neotropics*. Springer Nature: Meteor.

Published

- [2] Ladah, L. B., Calderón-Aguilera, L. E., Cavanaugh, K., **Early Capistrán, M.M.**, [...] & Zertuche, J. (2025). La Alianza para la Restauración de los Servicios Ecosistémicos Costeros (ARSEC). (The Alliance for Ecosystem Service Restoration: ARSEC) In M. Martínez-Ramos (Ed.), *Miradas hacia la sustentabilidad* (Looking towards sustainability)(pp. 69–79). Mexico City: CONAHCYT.
- [1] **Early Capistrán, M.M.** (2014) Lo vulnerable y lo sanguinario: explotación histórica de tortugas y tiburones en la Costa de Oaxaca. (The vulnerable and the bloodthirsty: historical exploitation of sea turtles and sharks on the coast of Oaxaca). In R. Macip-Ríos & O. Espinosa Santiago (Eds.), *Problemas ambientales asociados al desarrollo* (Environmental problems associated with development) (pp. 51–70). Puebla, México: Benemérita Universidad Autónoma de Puebla.

Scientific Reports & White Papers

- [5] Robbins, A., Lavelle, A., Wallace, B., ... **Early Capistrán, M.M.**, ... & Hogan, K. (2025). Report from the decolonising sea turtle conservation workshop at the 42nd International Sea Turtle Symposium, Pattaya, Thailand. *Marine Turtle Newsletter* (Vol. 18, pp. 12-17). <http://www.seaturtle.org/mtn/PDF/MTN168.pdf>
- [4] Robbins, A., Lavelle, A., Wallace, B., ... **Early Capistrán, M.M.**, ... & Hogan, K. (2025). Report from the decolonising sea turtle conservation “Walking the Talk” workshop at the 42nd International Sea Turtle Symposium, Pattaya, Thailand. *Indian Ocean Turtle Newsletter*, 41. <https://www.iotn.org/wp-content/uploads/025/03/IOTN-41.pdf>
- [3] Shanker, K., **Early Capistrán, M. M.**, Urteaga, J., Mohd Jani, J., & Wallace, B.. (2023) Decolonizing Sea Turtle Conservation. In *State of the Worlds Turtles (SWOT)* (Vol. 18, pp. 30-34).
- [2] Shanker, K., **Early Capistrán, M. M.**, Urteaga, J., Mohd Jani, J., & Wallace, B.. (2022) Moving Beyond Parachute Science in the Sea Turtle Community. In *State of the Worlds Turtles (SWOT)* (Vol. 17, pp. 36–37). <https://www.seaturtlestatus.org/swot-report-vol-17>
- [1] Wilder, B., **Early-Capistrán, M.M.**, & Vanderplank, S. (eds.) *2018 N-Gen Border BioBlitz* (p. 38). Next Generation Sonoran Desert Researchers (N-Gen).

Published datasets and code

- [2] **Early-Capistrán, M.M.** (2022) Code from: “Integrating local ecological knowledge, ecological monitoring, and computer simulation to evaluate conservation outcomes.” *GitHub*. <https://github.com/earlycapistran/miceNls>
- [1] **Early-Capistrán, M.-M.**, Solana-Arellano, E., Abreu-Grobois, F. A., Narchi, N. E., Garibay-Melo, G., Seminoff, J. A., Koch, V., & Saenz-Arroyo, A. (2020). Quantitative datasets and R Code: Quantifying local ecological knowledge to model historical abundance of long-lived, heavily-exploited fauna. *PeerJ*, 8, e9494. <https://doi.org/10.7717/peerj.9494/supp-16>.

Science communication & published outreach (selected, 6 of 11)

- [6] **Early Capistrán, M. M.** (2022) Navigating deserts and seas. *Current Conservation*, 16(2), 13–17. <https://www.currentconservation.org/navigating-deserts-and-seas/>
- [5] **Early Capistrán, M. M.** (2019) Tortugas en Baja California: de la pesca a la conservación (Turtles in Baja California: from fishing to conservation). *La Jornada Del Campo*, (137), 30.
- [4] **Early Capistrán, M. M.**, (2019) CoLaboratorio de Oceanografía Social de El Colegio de Michoacán, Red Temática sobre el Patrimonio Biocultural (CONACYT). Pesca y conservación de tortugas en Baja California (Sea turtle fishing and conservation in Baja California). Online video clip (length: 3 minutes) <https://www.youtube.com/watch?v=hVuAPUJCoLY>.
- [3] **Early-Capistrán, M.-M.**, Sáenz-Arroyo, A., Cardoso-Mohedano, J.-G., Garibay-Melo, G., Peckham, S.H. and Koch, V. (2018) Complex past, promising future: Baja California’s green sea turtles. *dataMares*. <https://doi.org/10.13022/M3934Q>.
- [2] **Early Capistrán, M.M.**, (2016) Baja California’s Sea Turtles Swim Out of the Past. *Latinamericanscience.org* http://latinamericanscience.org/turtles_mexico
- [1] **Early Capistrán, M.M.** (2014) Amazons, Pirates, and Turtles on the Island of California. *The Appendix*, 2(4). <https://bit.ly/2Tvmej9>.

GRANTS, AWARDS & FELLOWSHIPS

Fellowships & Awards

Society for Conservation Biology / Cedar Tree Foundation - David H. Smith Conservation Research Fellowship. (\$202,000 USD)

Universidad Nacional Autónoma de México Stimulus for timely graduation (\$26,000 MXN)

2022

Consejo Nacional de Ciencia y Tecnología (CONACYT) - Doctoral Fellowship. (\$660,912 MXN).	2017
Universidad Nacional Autónoma de México Stimulus for timely graduation (\$19,000 MXN)	2015
Consejo Nacional de Ciencia y Tecnología (CONACYT) - Postgraduate Fellowship. (\$157,300 MXN).	2013
Trinity College Dublin - Travel Grant (€800)	2010

Research Grants (External)

Marisla Foundation / Jiji Foundation N-Gen sustainability and targeted action grant Awarded to Next Generation Sonoran Desert Researchers (N-Gen). Co-P.I. with B. Wilder, S. Vanderplank & C. de la Rosa (\$50,000 USD).	2020
Jiji Foundation / Packard Foundation N-Gen Research grants program Awarded to N-Gen. Co-P.I. with B. Wilder & A. Munguía (\$40,000 USD).	2018
Marisla Foundation / Jiji Foundation / Packard Foundation N-Gen Research grants program Awarded to N-Gen. Co-P.I. with B. Wilder & A. Munguía (\$55,000 USD).	2017
Walton Family Foundation - Research Grant awarded via Grupo Tortuguero de las Californias, A.C. (\$20,000 USD)	2012

Honors & Distinctions

Mexican National Research System (Sistema Nacional de Investigadores, SNI) - Level C	2023
Universidad Nacional Autónoma de México - Nominee, Alfonso Caso Medal	2015

TEACHING & MENTORSHIP EXPERIENCE

Graduate & Undergraduate Courses

Primary Instructor Stanford University - English & Oceans Departments, <i>Stanford, U.S.A.</i> Integrative Ocean Study. Mixed graduate/undergraduate course. (Co-instructor with Dr. Margaret Cohen and Dr. Fiorenza Micheli)	2025
<ul style="list-style-type: none"> Collaborated with a team of faculty to developed of a cross-curricular program that integrated humanities and sciences. Developed an interdisciplinary syllabus, reading lists, and course materials Designed and delivered engaging lectures on physical oceanography and marine ecology. 	
Instructor of record Stanford University - Biology Department, <i>Monterey, U.S.A.</i> Marine Conservation. Mixed graduate/undergraduate course. (Co-instructor with Dr. Larry Crowder.)	2023

Professional Training Workshops

Society for Conservation Biology Conservation and Fieldwork Across Cultural Contexts.	2025
Middlebury Institute for International Studies , Environmental Leadership in Cross-Cultural Contexts.	2024
CICESE/PRONACES-ARSEC , Transdisciplinary Research Methods for Resilient and Sustainable Coastal Social-Ecological Systems.	2021
Next Generation Sonoran Desert Researchers (N-Gen) , Communicating Science Up and Down the Gulf of California.	2016

Guest Lectures

University of Hawai'i: Kānāwai lawai'a: Hawai'i's Ocean and Fisheries Laws.	2025
Stanford University: Introduction to Earth Systems, Research Approaches for Environmental Problem Solving, Marine Conservation.	2024
University of Arizona: Conservation Biology	
Stanford University: The Social Ocean	2023

Thesis direction

Stanford University B.S. in Earth Systems Science 2023
Molly Won Glickman (Co-direction with Dr. Larry Crowder).

Thesis committees

Universidad Autónoma de Baja California PhD in Environment and Development 2025
Tania Manarini.

Universidad Nacional Autónoma de México Licentiate in Environmental Science 2021
Huran Drouet Cruz.

Graduate Student Mentees

Taylor Souza (PhD), Stanford University. 2025

Daviana Berkowitz-Sklar (PhD), Stanford University.

Catherine Lee Hing (PhD), Stanford University. 2024

Roxanne Garibay (MS), Moss Landing Marine Laboratory (WSN Mentorship Program). 2023

Chanel Robles (MS), California Sea Grant.

Undergraduate Interns

Anika Juliet Quon, Stanford University (SESUR Intern) 2023

Undergraduate Mentees

Qais Stovall, Columbia University (ESA-SEEDS Program). 2024

Jorge Reque, University of California Los Angeles (WSN Mentorship Program)

Moriah Schott, Olive-Harvey College.

High School Student Mentees

Sofía Flores Bravo, Colegio de Bachilleres del Estado de Chihuahua 2022

Professional roles in community education and outreach

Border BioBlitz Binational Program Coordinator Next Generation Sonoran Desert Re- 2018-2022
searchers (N-Gen) & International Community Foundation (*remote*)

Pioneered a scalable bioblitz model for community science data along the U.S.-Mexico border.

Executive Producer Next Generation Sonoran Desert Researchers (N-Gen) Website 2018-2022
www.nextgensd.com

PRESENTATIONS & LECTURES

Invited Lectures & Keynotes

Stanford University Hopkins Marine Station, *Monterey, USA* 2022
Isabella Abbott Memorial Lecture: Integrating Local Ecological Knowledge and Marine Conservation Science.

International Sea Turtle Society Annual Symposium, *Lima, Peru* 2016
Swimming Out of the Past: Reconstructing Sea Turtle Populations Through Ethnographic and Archival Research.

Grupo Tortuguero de las Californias Annual Meeting, *Mazatlán, Mexico* 2015
Stories of Fishers and Buccaneers: Changes in the Abundance and Exploitation of *C. mydas* in the Baja California Peninsula.

Invited Research Seminars

San Diego State University *San Diego, U.S.A.* 2025
Transdisciplinary research across borders.

Wildlands Network Science Seminar Series, *Online*

Integrating local ecological knowledge, ecological monitoring, and computer simulation to evaluate conservation outcomes.

El Colegio de Michoacán Collaborative Networks in Social Oceanography Seminar Series, *La Piedad, Mexico (Online)*

Social Oceanography in the Context of the Polycrisis: the case of the green turtle (*Chelonia mydas*) in the northeastern Pacific.

Society for Conservation Biology Smith Fellows Spring Retreat, *Tucson, U.S.A.*
The Borderlands: a biocultural region.

Stanford University / Bill Lane Center for the American West *Stanford, U.S.A.*

Swimming out of the past and into the future: historical biogeography of green turtles (*Chelonia mydas*) in the California Current Large Marine Ecosystem.

University of Miami *Miami, U.S.A.*

Integrating diverse knowledge systems into sea turtle conservation.

University of South Alabama *Mobile, U.S.A.*

Integrating diverse knowledge systems into marine conservation.

Climate Science Alliance Baja California Working Group, *San Diego, USA / Online*

Local Ecological Knowledge and green turtle ecology in the context of climate change.

Symposia & Conference Workshops Organized

Society for Conservation Biology Smith Fellows Spring Retreat, *Tucson, U.S.A.*

Panel organizer and moderator: Conservation in the Borderlands.

Ecological Society of America Annual Meeting, *Long Beach, U.S.A.*

Workshop Co-organizer: Breaking Disciplinary Silos: How to Shape and Carry Out Interdisciplinary Research Bridging the Natural and Social Sciences.

Society for Conservation Biology North American Congress of Conservation Biology, *Vancouver, Canada.*

Workshop Co-organizer: Inclusive Field Safety.

International Sea Turtle Society 42nd International Sea Turtle Symposium, *Pattaya, Thailand*

Workshop Co-organizer. Decolonizing Sea Turtle Conservation.

Western Society of Naturalists 101st Annual Meeting, *Online*

Session organizer & Co-chair. Special Session: Towards equitable collaboration in community-based research.

Next Generation Sonoran Desert Researchers 2nd N-Gen Summit, *Guaymas, Mexico*

Moderator. Desert Hackathon.

Invited Symposium Talks

International Sea Turtle Society 42nd International Sea Turtle Symposium, *Accra, Ghana*

Online Panelist: Special Session on Decolonizing Sea Turtle Conservation.

University of the Pacific Conservation Science: Activism and Careers Panel, *Stockton, U.S.A.*

Panelist.

Stanford University Stanford Marine Energy *Stanford, U.S.A. (online)*

Panelist: Best Practices for Environmental Justice in the Marine Energy Industry.

Stanford University Graduate School of Business Cultural Resources and Sustainability, *Monterey, U.S.A.*

Oral Presentation: Biocultural Conservation Across Boundaries.

American Fisheries Society Annual Meeting, *Honolulu, U.S.A.*

Oral Presentation: Enhancing Global South representation in fisheries stewardship. (Co-presenter with N. Narchi). Symposium: Indigenous & Community Stewardship of Pacific Coastal Fisheries in a Changing Environment.

Society for Conservation Biology North American Congress of Conservation Biology, <i>Vancouver, Canada</i> .	
<i>Oral Presentation:</i> Close the parachute: research in Cross-cultural contexts. Symposium: Inclusive Field Safety.	
Universidade Federal do R�o Grande <i>R�o Grande do Sul, Brazil / Online</i>	2023
<i>Panelist:</i> Panorama on artisanal fishing in Latin America and the positive and negative links with Oceanography curricula.	
Hawaii Pacific University 2nd Annual Workshop on Sea Turtle Research and Conservation in the Hawaiian Islands/Oceania, <i>Honolulu, USA (online)</i>	2022
People and sea turtles in Baja California: cultural practices and connections across the Pacific.	
Universidade Federativa do Par� / Universidad Aut�noma de Barcelona <i>Online</i>	
<i>Panelist:</i> Ocean Social Science and Policy in the Context of Academic Careers.	
Citizen Science Association Citizen Science Conference, <i>Raleigh, USA</i>	2019
Border BioBlitz. Panel: Scaled BioBlitzes: Engaging Community Organizers to Increase Participation in Large-Scale Biodiversity Monitoring Efforts.	
Contributed Conference Presentations: presenting author	
Ecological Society of America 110th Annual Meeting, <i>Baltimore, USA</i> .	2025
Building a Mentorship Ecosystem (<i>Video Presentation</i>).	
Ecological Society of America 110th Annual Meeting, <i>Baltimore, USA</i> .	
Cross-Border Research Networks for Biocultural Conservation (<i>Video Presentation</i>).	
International Union for the Conservation of Nature (IUCN) Regional Conservation Forum: Mexico, Central America, and the Caribbean, <i>Mexico City, Mexico</i> .	2024
Evaluating green turtle (<i>Chelonia mydas</i>) populations status in the Gulf of California, Mexico: transdisciplinary approaches (<i>Multimedia Presentation</i>)	
Stanford University Graduate School of Business A Resilient Pacific <i>Stanford, U.S.A.</i>	
Transdisciplinary research across the Pacific Rim.	
Western Society of Naturalists 104th Annual Meeting, <i>Monterey, U.S.A.</i>	2023
Local Ecological Knowledge Enhances our Capacity to Document Potential Climate Sentinels.	
Aquarium of the Pacific / NOAA West Coast Sea Turtle Symposium, <i>Long Beach, USA</i>	2022
Integrating local ecological knowledge and mathematical models to evaluate conservation outcomes for green turtles.	
Western Society of Naturalists 101st Annual Meeting, <i>Online</i>	2020
Learning from Hawaiian culture to improve marine conservation research. (Co-presenter with N. Puniwai).	
Western Society of Naturalists 100th Annual Meeting, <i>Ensenada, Mexico</i>	2019
Quantifying Local Ecological Knowledge to Reconstruct Green Turtle Abundance in the Gulf of California.	
Grupo Tortuguero de las Californias Annual Meeting, <i>Loreto, Mexico</i>	2013
Environmental History of Sea Turtles in the Baja California Peninsula.	
History of Marine Animal Populations / Census of Marine Life Oceans Past III, <i>Dublin, Ireland</i>	2010
Shark Fins and Turtle Leather: Historic Marine Animal Exploitation on Mexico's Southern Pacific Coast	

ACADEMIC SERVICE & LEADERSHIP

Leadership roles

Treasurer Ecological Society of America (ESA) Latin America Chapter.	2024 - Present
Advisory Board Member Next Generation Sonoran Desert Researchers (N-Gen)	2022 - Present
Associate Director Next Generation Sonoran Desert Researchers (N-Gen)	2016-2022
<ul style="list-style-type: none"> • Directed an international, transdisciplinary research network with 900+ members across 40+ disciplines in the broader Sonoran Desert region. 	

- Coordinated and integrated strategies to achieve organizational vision through collaboration between the board of directors, network members, stakeholders, funders, and partner organizations (NGOs, government, and academia).
- Assumed leadership in operative tasks, including grant writing, financial management, administration, communication, translations, media engagement, and website development (<https://nextgensd.com/>).

EDITORIAL EXPERIENCE

Editorial boards

Handling Editor - *Conservation Letters*.

2023 - Present

Manuscript review

Ecology & Society, Endangered Species Research, Discover Conservation, Journal of Ethnobiology, Aquatic Conservation: Marine and Freshwater Ecosystems, Scientific Reports, Reviews in Fish Biology and Fisheries (x2), Trends in Ecology & Evolution (2x), Nature Sustainability, Perspectives in Ecology and Conservation, Journal of Environmental Management, Región y sociedad

Book chapter review

IUCN Marine Turtle Specialist Group Manual on Research and Management Techniques for the Conservation of Sea Turtles; *Perspectivas socioculturales e históricas sobre maritorios y acuatorios latinoamericanos y caribeños* (Sociocultural and historical perspectives on Latin American and Caribbean maritorios and aquatories)

Grant proposal review

Travel Grants (Latin America and Spanish-speaking Caribbean) - International Sea Turtle Symposium.

2024

Student and Early Career Grant Program - Next Generation Sonoran Desert Researchers (N-Gen).

2017-2018

Collaborative Grant Program - Next Generation Sonoran Desert Researchers (N-Gen).

Professional experience in editorial roles

Contributing Editor Latinamericanscience.org, Boston, USA (remote).

2016

Content development and article review for an online science communication outlet with 50,000+ readers.

- Coordinated, edited, and developed online science communication materials in English and Spanish in collaboration with contributors in 7 countries (Argentina, Australia, Ecuador, Mexico, Puerto Rico, U.K., and U.S.).
- Developed online science communication materials in English and Spanish, including writing, and copy-editing, as well as video editing, subtitling, and post-production.
- Translated science communication articles (English-Spanish and Spanish-English).

OUTREACH & COMMUNITY ENGAGED SCHOLARSHIP

Community education & outreach events

San Diego Natural History Museum Nat Talks: The Border BioBlitz, communities helping science en la frontera, *Online*

2023

Stanford Doerr School of Sustainability / Bechtel International Center International Faculty Connections, *Stanford, USA*

2022

Eco-Alianza de Loreto, A.C. International Forum of Women Scientists: Understanding sea turtles, *Loreto, Mexico (Online)*

Centre de Investigación Científica y de Educación Superior de Ensenada (CICESE) Noche de las Ciencias, *Ensenada, Mexico*

2017

Community science

Next Generation Sonoran Desert Researchers (N-Gen) Border BioBlitz Team Coordinator, *Tijuana, Mexico*

2019

Next Generation Sonoran Desert Researchers (N-Gen) Border BioBlitz Team Coordinator,
Tijuana, Mexico

2018

Media coverage of research & outreach

National & International Outlets

India Today, The Inertia, Vice Media, Associated Press, NBC News, National Public Radio, Agencia EFE, El Universal, Sin Embargo, NTN24.

Local Outlets

KJZZ-Tucson (U.S.A.), San Diego Union Tribune (U.S.A.), Radio BUAP (Mexico), Trinity College News & Events (Ireland).

Expert Consultation for Media Outlets

National Geographic Documentary Films

2024

ACADEMIC SOCIETIES & RESEARCH NETWORKS

Academic societies

Society for the Advancement of Chicanos and Native Americans in Science, Ecological Society of America, American Fisheries Society, Society for Conservation Biology, International Sea Turtle Society, International Society of Ethnobiology, Western Society of Naturalists

Research networks

Next Generation Sonoran Desert Researchers, PICES SEAturtle, International Thematic Network for Drylands Sustainability (RISZA), Patrimonio Biocultural en México (Biocultural Heritage in Mexico), Climate Science Alliance - Baja California Working Group

LANGUAGES

Spanish: Native language / bilingual

English: Native language / bilingual

French: Intermediate level speaking and listening comprehension (CEFR B1), advanced reading (university-level academic texts)

Japanese: Beginner level speaking, reading, and listening comprehension (CEFR A1/JLPT N5)

Classical Náhuatl: Reading only, with dictionary

Latin: Reading only, with dictionary

<https://earlycapistran.github.io> · github.com/earlycapistran