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# Juan Carlos Villaseñor-Derbez PhD Candidate, UC Santa Barbara

# **EDUCATION**

- 2022 Ph.D. Environmental Science and Management. University of California, Santa Barbara (Expected June 2022)
- 2017 Master of Environmental Science and Management. University of California, Santa Barbara
- 2015 B.Sc. Oceanography, *Honors*. Universidad Autónoma de Baja California, México

# PEER-REVIEWED PUBLICATIONS\_

### Published (\*co-first authorship)

Villaseñor-Derbez, J.C. Amador-Castro, I., Hernández-Velasco, A., Torre, J., & Fulton S. Two decades of community-based marine conservation provide the foundations for future action. Frontiers in Marine Science. DOI: 10.3389/fmars.2022.893104

Wintergalen E., Molina R., Oyanedel R., Villaseñor-Derbez, J.C., Fulton S. Opportunities and challenges for livelihood resilience in urban and rural Mexican small-scale fisheries. (in press). *Ecology and Society*.

Wilson M. W., Lawson J. M., Rivera-Hechem M. I., **Villaseñor-Derbez J. C.**, Gaines, S. D. Evaluating Conditions for Moored Fish Aggregating Device Fisheries Development in the Caribbean and Bermuda. (In Press). *Frontiers in Marine Science*. DOI: <u>10.3389/fmars.2022.827068</u>

\* Millage K.D., Villaseñor-Derbez, J.C., Bradley D., Burguess M., Lenihan H., Costello C. (2021). Self-Financed Marine Protected Areas. *Environmental Research Letters* DOI: 10.1088/1748-9326/ac3439

Tuholske C., Halpern B., Blasco G., **Villaseñor-Derbez J.C.**, Frazier M., Caylor K.K. (2021). Mapping global inputs and impacts from human sewage in coastal ecosystems. *PLoS ONE* <u>DOI</u>: 10.1371/journal.pone.0258898

Ramírez-Valdez A., Rowell T. J., Dale K., Craig M., Allen L., **Villaseñor-Derbez** J.C., Cisneros-Montemayor A., Hernández-Velasco A., Torre J., Hofmeister J., Erisman B. (2021) Asymmetry across international borders: Research, fishery and management trends and economic value of the giant sea bass (*Stereolepis gigas*). Fish & Fisheries. DOI: 10.1111/faf.12594

Lynham J., Nikolaev A., Raynor, J., Vilela T., Villaseñor-Derbez J.C. (2021). Reply to "Catch rate composition affects assessment of protected area impacts". *Nature Communications*. DOI: 10.1038/s41467-021-21608-3

Wilson M. W., Lawson J. M., Rivera-Hechem M. I., Villaseñor-Derbez J. C., Gaines, S. D. (2020). Status and trends of moored fish aggregating device (MFAD) fisheries in the Caribbean and Bermuda. *Marine Policy*.
DOI: 10.1016/j.marpol.2020.104148

Lynham J., Nikolaev A., Raynor, J., Vilela T., Villaseñor-Derbez J.C. (2020). Economic Impact of Two of the Largest Protected Areas on Earth. *Nature Communications*. DOI: 10.1038/s41467-020-14588-3

- **Villasenñor-Derbez J.C.**, Lynham J., Costello C. (2020). Environmental Market Design for Large-Scale Marine Conservation. *Nature Sustainability*. DOI: 10.1038/s41893-019-0459-z
- 2019 **Villaseñor-Derbez J.C.**, Aceves-Bueno E., Fulton S., Suarez-Castillo A., Hernández-Velasco A., Torre J., Micheli F. (2019.). An interdisciplinary evaluation of community-based TURF-reserves. *PLoS ONE*. DOI: 10.1371/journal.pone.0221660
  - O'Hara C. Villaseñor-Derbez., J.C., Ralph G., Halpern B. (2019). Mapping status and conservation of global at-risk marine biodiversity. *Conservation Letters*. DOI: 10.1111/conl.12651
  - **Villaseñor-Derbez J.C.\*,** Fitzgerald S.\* (2019). Spatial variation in allometric growth of invasive lionfish has management implications. *PeerJ.* DOI: 10.7717/peerj.6667
- 2018 Peake, J., Bogdanoff A.K., Layman C.A., Castillo B., Chapman J., Dahl K., Patterson W., Eddy C., Ellis R., Faletti M., Higgs N., Johnston M., Muñoz R., Sandel V., Villaseñor-Derbez J.C., Morris Jr. J.A. (2018). Feeding ecology of invasive lionfish (*Pterois volitans* and *Pterois miles*) in the temperate and tropical western Atlantic. *Biological Invasions*. DOI: 10.1007/s10530-018-1720-5
  - **Villaseñor-Derbez J.C.** Faro C., Wright M., Martínez J., Fitzgerald S., Fulton S., Mancha-Cisneros M.M., McDonald G., Micheli F., Suárez A., Torre J., Costello C. (2018). A user-friendly tool to evaluate the effectiveness of no-take marine reserves. *PLoS ONE*. DOI: 10.1371/journal.pone.0191821
- 2016 Hernández-Velasco A.J., Fernández-Rivera Melo F.J., Melo-Merino, S.M. Villaseñor-Derbez, J.C. (2016). Occurrence of *Holacanthus clarionensis* (Pomacanthidae), *Stegastes leucorus*, and *S. acapulcoensis* (Pomacentridae) at Isla Magdalena B.C.S., Mexico. *Marine Biodiversity Records*. DOI: 10.1186/s41200-016-0062-1
- 2015 Ramírez-Valdez A., Dominguez-Guerrero I., Palacios-Salgado D.S., Cota-Nieto J.J., Hinojosa-Arango G., Correa-Sandoval F., Reyes-Bonilla H., **Villaseñor-Derbez J.C.**, Hernandez A., Aburto-Oropeza, O. (2015). The nearshore fishes of the Cedros archipelago and their biogeographic affinities, northeastern Pacific. *CalCOFI Reports* 
  - Dreyfus M., Mejía-Trejo A., **Villaseñor-Derbez J.C.** (2015). Analysis of null sets (no catch) made by the Mexican tuna seine fleet (2000-2013). *Ciencias Marinas*. DOI: 10.7773/cm.v41i2.2471
- Villaseñor-Derbez J.C. & Herrera-Pérez R. (2014). Brief description of prey selectivity and ontogenetic changes in the diet of the invasive lionfish *Pterois volitans* (Actinopterygii, Scorpaenidae) in the Mexican Caribbean. *Pan-American Journal of Aquatic Sciences*, 8(2):131-135

#### R&R, In Review, In Prep

- In Rev Arafeh-Dalmau et al., Towards transboundary networks of climate-smart marine reserves in the Southern California Bight. *Science Advances* 
  - Pearson H.C., Savoca M.S., Costa D.P., Lomas M.W., Molina R., Pershing A.J., Smith C.R., **Villaseñor-Derbez J.C.**, Wing S.R., Roman J. Whales in the Carbon Cycle: Can Recovery Remove Carbon Dioxide? *Trends in Ecology and Evolution*
- In prep Villaseñor-Derbez, J.C., Costello C. & Plantinga A. A global market for marine conservation.
  - Villaseñor-Derbez, J.C. et al., The economic value of community-based marine reserves.
  - Ramírez-Valdes A., Montaño-Moctezuma G., Villaseñor-Derbez J. C., A biogeographic analysis of fish communities in the southern limit of the kelp forest in the Northwestern Pacific.

# TEACHING Teaching Assistant for graduate-level courses ESM 206 – Introduction to Environmental Data Science & Statistics with Dr. Allison Horst (100+ students) 2020 ESM 201 – Ecology of Managed Ecosystems with Dr. David Tilman (86 students) 2019 ESM 201 – Ecology of Managed Ecosystems with Dr. David Tilman (82 students) **Guest Lecturer** 2020 ESM 206 – Data Analysis and Statistics: "Package-less" coding: Coding in base R (100+ students) EEMB 168 – Conservation Ecology: Marine Conservation in Practice (100+ students) 2018 ESM 244 – Adv. Data Analysis and Statistics: The development cycle of web-based apps (~70 students) Data Science Workshops (link) EcoDataScience Workshop: GNU make and Makefiles for continuous development (and reproducibility) 2021 2019 EcoDataScience Workshop: Collaborative workflows with git and GitHub LAFF workshop: Coding ecological models in R 2017 EcoDataScience Workshop: Introduction to R Markdown **Technical Workshops** Evaluation and budgeting of Marine Reserves in Mexico 2019 Empirical valuation of Marine Reserves effectiveness 2018 2017 A general approach and tool to evaluate the effectiveness of no-take marine reserves Empirical valuation of Marine Reserves effectiveness 2015 REEFCheck California monitoring techniques MENTORING Master's Group Theses Mentored (Client in parentheses) 2020 Marine Extractive Reserve performance in Brazil (World Wildlife Fund Brazil) Students: Peyton Moore, Ruben Sanchez-Ramirez, Dylan Glave, Elliott Matthews Assessing Brazil's Marine Aquaculture Potential (World Wildlife Fund Brazil) 2019 Students: Caio Della Colleta Vianna, Eva Marrero, Kirby Bartlett, Anna Calle, Sandra Fogg 2018 Economic quantification of delaying management in the Midriff Islands, Mexico (Comunidad y Biodiversidad) Students: Edaysi Bucio, Seleni Cruz, Vienna Saccomanno, Juliette Verstaen, Valeria Tamayo

Insurance instruments to leverage natural infrastructure for climate change resilience

Students: Mario Colon, Daniel Elkin, Lauren Kaapcke, Madison Meltzer, Casey Moorhead

2018

2017 Creating Effective Marine Reserves (Fundación Claudia y Roberto Hernández) Students: Fabio Castagnino, Roxanne Diaz, Denise Garcia, Sarah Salem, Camila Vargas

# High school students (Placement)

2018 Alex Reulbach. Small-scale variation in the diet of invasive lionfish. (Marine Biology, UNC)

Alisha Naidu. Ontogenetic habitat shifts in invasive lionfish. (Computer Science, Williams College)

Joseph Sausville. Optimal marine reserve design to maximize economic and conservation benefits.

#### Other outreach activities

2019 Instructor

Family Ultimate Science Exploration: <a href="https://csep.cnsi.ucsb.edu/programs/fuse">https://csep.cnsi.ucsb.edu/programs/fuse</a>

Taught science to high school students and their families

Guest lecturer

Laguna Blanca high school

How can economics help conserve the environment?

2017 Guest lecturer

Colegio Puerto Aventuras (Mexico)

Introduction to computer programming in R

# **GRANTS & AWARDS\_**

#### **Research Grants**

2021 Environmental Solutions Research Grant (\$20,000)

Schmidt Family Foundation

Incentives for Equitable and Cost-effective Marine Conservation

Dissertation Fellowship (\$25,000)

UC Institute on Global Conflict and Cooperation

Designing Conservation Markets for International Cooperation

2020 H. William Kuni Research Award (\$14,950)

Economic and Ecological responses to global economic shutdowns in coral reef communities.

With Erin Winslow and Nathaniel Grimes

2019 Mohamed bin Zayed Species Conservation Fund (\$11,500)

Unveiling the Ecology of Giant Sea Bass (Stereolepis gigas).

With Arturo Ramírez-Valdez and Kyla Blincow

2018 H. William Kuni Research Award (\$15,000)

The proliferation of Fish Aggregating Devices (FADs) in the Caribbean Sea.

With Molly Wilson, Julia Lawson, and Ignacia Rivera

2017 PADI Foundation Research Grant (\$6,600)

Natural history of the giant sea bass (Stereolepis gigas) in Mexican waters.

With Arturo Ramírez-Valdez and Paula Sgarlatta.

# Fellowships, scholarships, and awards

### 2019 Best presentation

Integrated Marine Biosphere Research

Awarded best presentation at the Future Oceans Conference

# 2017 Doctoral Fellowship (\$61,194)

UC Mexus

Complimentary funding to complete a Ph.D in Environmental Sciences

Latin American Fisheries Fellowship (\$57,400)

University of California, Santa Barbara

Complimentary funding to complete a Ph.D in Environmental Sciences

International Student's Doctoral Fellowship (\$146,619)

Consejo Nacional de Ciencia y Tecnología (CONACyT)

Four years of funding to complete a 5-year Ph.D in Environmental Sciences

Honorable Mention

Integrated Marine Biosphere Research

Runner-up for best student project at the IMBeR ClimEco6 Summer School

# 2015 Latin American Fisheries Fellowship (\$42,000)

University of California, Santa Barbara

Complimentary funding to complete a Master in Environmental Science and Management

### CONACyT International Student's Master's Fellowship (\$64,946)

Mexican Government

Funding to complete a Master in Environmental Science and Management

#### 2014 Pedro Mercado Sánchez National Oceanography Award

Asosiación Mexicana de Oceanologos

For the best undergraduate research project presented at the XVIII National Oceanography Conference

#### 2014 Hoonorable Mention

**CONACyT** 

Runner-up for best student paper at the 2nd State Meeting of Young Researchers

# 2014 Distinguished Student of the Oceanography program

Facultad de Ciencias Marinas, Universidad Autónoma de Baja California

Ranked first in academic performance for the overall major in 2014

# 2013 Best presentation

CONACyT

For the best student paper at the 1st State Meeting of Young Researchers

#### Best presentation

Facultad de Ciencias Marinas, Universidad Autónoma de Baja California

1st Place for the best undergraduate presentation at the XXI Student Conference

- Honorable mention
   Facultad de Ciencias Marinas, Universidad Autónoma de Baja California
   2nd Place for the best undergraduate presentation at the XX Student Conference
- 2012 Distinguished Student of the Oceanography program
  Facultad de Ciencias Marinas, Universidad Autónoma de Baja California
  Ranked first in academic performance for the overall major in 2012

#### ACADEMIC APPOINTMENTS

| 2020 - current | Graduate Student Researcher. Environmental Markets Lab, UCSB.                             |
|----------------|---|
| 2019 - 2020    | Graduate Student Researcher. National Center for Ecological Analysis and Synthesis, UCSB. |
| 2015 - 2016    | Data analyst. Mexican Tuna Purse Seine Fleet Research Trust                               |
| 2013 - 2013    | Research Intern. Fundación para el Estudio y Conservación de Condrictios, SQUALUS         |
| 2013 - 2013    | On-board scientific observer. Fisheries Ecology Lab, CICESE                               |
| 2012 - 2012    | Oceanographic Cruise Research Intern. Oceanography Department, CICESE                     |
| 2011 - 2015    | Research Assistant. Kelp Forest Ecology Research Group, UABC                              |

#### ACADEMIC SERVICE

# Referee Activity

Ecological Modeling, Frontiers in Marine Science, Gulf and Caribbean Research, Bulletin of Marine Science, Nature Sustainability, Marine Policy

#### **Committees**

- 2020 Faculty Search. Assistant Professor in Environmental Data Science. Bren School of Environmental Science & Management, UCSB
- 2019 Dean's Advisory Council. Bren School of Environmental Science & Management, UCSB
- 2018 PhD Symposium organization committee. Bren School of Environmental Science & Management, UCSB
- 2014 Student Conference Organizer. Facultad de Ciencias Marinas, UABC
- 2013 Student Council. Facultad de Ciencias Marinas, UABC

# Working groups and panels

- 2021 Data Science communities in Santa Barbara. Master of Environmental Data Science Program, UCSB
- 2019 Palau's National Marine Sanctuary: Managing Ocean Change and Supporting Food Security. NCEAS
- 2017 Marine Spatial Planning in Baja California: Connecting MPA networks in a transboundary context. COBI
- 2017 Defining Socioeconomic and Ecological indicators for to evaluate marine protected areas. COBI / TNC

# CONFERENCE PRESENTATIONS (\*Indicates awarded)

- Villaseñor-Derbez J.C., Rivera-Hechem M.I., Wilson, M. W., Lawson, J. M. & Gaines, S. D. Status and trends of moored fish aggregating device (MFAD) fisheries in the Caribbean and Bermuda. 72nd GCFI
  - \*Villaseñor-Derbez J.C., Lynham J., Costello C. Change in behavior and effort redistribution after implementation of Large Scale Marine Protected Areas. *Future Oceans2*
- Villaseñor-Derbez, J.C., Aceves-Bueno E., Fulton, S., Suarez-Castillo, A., Hernández-Velasco, A., Torre, J., Micheli, F. Effectiveness of community-based marine reserves in small-scale fisheries. 3<sup>rd</sup> World Small-Scale Fisheries Conference
- **J.C. Villaseñor-Derbez**, C. Faro, M. Wright, J. Martínez, C. Costello. A general approach and tool to evaluate the effectiveness of no take marine reserves. 28th International Congress for Conservation Biology.
- J.C. Villaseñor-Derbez, A. Ramírez-Valdez, G. Montaño-Moctezuma, G. Torres-Moye. Because size matters: Differences in size structure of exploited and unexploited fish populations along the coasts of Baja California, Mexico. XIV National Ichthyology Meeting and III Latin-American Ichthyology Symposium.
  - Ramírez-Valdez A., Montaño-Moctezuma G., Torres-Moye G., Aburto-Oropeza O., Villaseñor-Derbez JC. Biogeographic relationships of fish communities associated to Kelp Forests off the coasts of Baja California, Mexico. XIV National Ichthyology Meeting and III Latin-American Ichthyology Symposium.
- **\*J.C. Villaseñor-Derbez**, A. Ramírez-Valdez, G. Montaño-Moctezuma, G. Torres-Moye. Effects of recreational fisheries over sizes and biomasses of fish associated to Kelp Forests. 2<sup>nd</sup> State Meeting of Young Researchers.
- \*J.C. Villaseñor-Derbez, A. Ramírez-Valdez, G. Montaño-Moctezuma, G. Torres-Moye. Latitudinal distribution of sizes of fish associated to Kelp Forests off the coasts of Baja California, Mexico. XVIII National Oceanography Conference.
  - \*J.C. Villaseñor-Derbez, A. Ramírez-Valdez, G. Montaño-Moctezuma, G. Torres-Moye. Latitudinal distribution of sizes of fish associated to Kelp Forests off the coasts of Baja California, Mexico. XXII Student Conference at the Marine Sciences School and 1st National Student Conference on Marine and Environmental Sciences.
  - **J.C. Villaseñor-Derbez**. Description of feeding habits and ontogenetic changes in the invasive lionfish *Pterois volitans* (Linnaeus, 1758) diet off the coasts of Playa del Carmen, Quintana Roo. 1st Student Conference of *Biological Sciences*.
- **J.C. Villaseñor-Derbez**, G. Montaño-Moctezuma, G. Torres-Moye y A. Ramírez-Valdez. Community relationships of fish associated to Kelp Forests off the coasts of Baja California, Mexico. 1<sup>st</sup> State Meeting of Young Researchers
  - **J.C. Villaseñor-Derbez**, G. Montaño-Moctezuma, G. Torres-Moye y A. Ramírez-Valdez. Community relationships of fish associated to Kelp Forests off the coasts of Baja California, Mexico. *XXI Student Conference at the Marine Sciences School*
- J.C. Villaseñor-Derbez. Contribution to knowledge of diet and biometrics of the invasive lionfish [Pterois volitans (Linnaeus 1758)] off the coasts of Playa del Carmen, Quintana Roo, Mexico. XIII National Ichthyology Meeting and 1st Latin-American Ichthyology Symposium

\*J.C. Villaseñor-Derbez. Contribution to knowledge of diet and biometrics of the invasive lionfish [Pterois volitans (Linnaeus 1758)] off the coasts of Playa del Carmen, Quintana Roo, Mexico. XX Student Conference at the Marine Sciences School

#### SCIENCE COMMUNICATION

(Not all peer-reviewed; All written or available in Spanish)

- Sumaila U.R. et al. WTO must ban harmful fisheries subsidies. (2021) Letter to *Science*. 374(6567):544 DOI: 10.1126/science.abm1680
- 2020 Villasenñor-Derbez, J.C. El Pez León invasor en el Caribe Mexicano. (2020). Biodiversitas 149: 2- 6
- 2018 Hernández-Velasco A., Beas-Luna, R., **Villaseñor-Derbez, J.C.**, Domínguez-Guerrero I., Precoma de la Mora, M., Gómez, A. (2018). Los Bosques Sumergidos de México. *Biodiversitas* 137: 2 6
- 2017 Ramírez-Valdez A., Sgarlatta M.P., **Villaseñor-Derbez J.C.**, Rowell T.J., Erisman B., Hernández A. (2017). Buscando al gigante de los bosques de kelp en las aguas de Baja California: el mero gigante. *Mediterranews*. DOI 10.13140/RG.2.2.17855.82082
- Dreyfus, M., Robles, H., Villaseñor-Derbez, J.C. (2016). Distribución espacial de tallas del atún aleta amarilla (*Thunnus albacares*) capturado por la flota atunera mexicana durante el 2001 y 2014. *El Vigía*, 20(43), 5:8.
- Villaseñor-Derbez J.C., Hernández-Velasco, A, Erauskin, M., Fulton, S., Cota-Nieto, J.J., Torre-Cosio, J., Herzka-Llona, S., Aburto-Oropeza, A. (2015). Effects of short-term marine reserves on grouper and bass populations. *DataMares*. http://dx.doi.org/10.13022/M33K52
- 2015 Hernández-Velasco, A., **Villaseñor-Derbez, J.C.**, Suárez Castillo, A., Torre Cosío, A., Espinoza, A. (2015). Isla Natividad en la Reserva del Vizcaíno. *Espacio Profundo*, 136: 34-40.
  - Robles H., Dreyfus M., Villaseñor-Derbez J.C. (2015). Descargas de la flota atunera mexicana en el Pacífico Oriental en 2014 y su comparación con el período 1992-2013. El Vigía, 19(42), 3:5.
- 2014 Ramírez Valdez A., Montaño Moctezuma G., Torres Moye G., **Villaseñor Derbez J.C.**, Aburto-Oropeza O. (2014). Counting fish in the Kelp forests of Baja California. *DataMares*. <a href="http://dx.doi.org/10.13022/M3BC7X">http://dx.doi.org/10.13022/M3BC7X</a>

#### NON-ACADEMIC APPOINTMNETS

- 2021 Independent Consultant
  - Bioeconomic estimation and simulation of costs and benefits of select community-based marine reserves
  - Review of 20 year of community-based marine conservation in Mexico
  - Evaluation of fisheries subsidies in small-scale fisheries
- 2018 Independent Consultant
  - Web-app development to calculate operational costs of implementing community-based marine reserves.
  - Prepared materials and taught a course on app functionality to environmental managers, NGO members, and government officials.
- 2018 Independent Consultant
  - Prepared materials and taught three courses on marine reserve evaluation methods to environmental managers and NGO members.

### 2017 Independent Consultant

- Performed a national evaluation of marine reserves in Mexico with case studies from the Gulf of California, Pacific and Caribbean.

# 2015 Field Assistant & Data Manager. Comunidad y Biodiversidad (COBI)

- Coordinated fieldwork to evaluate voluntarily established marine reserves along Baja California
- Produced 3 brochures, 1 interactive visualization and a peer-reviewed article on occurrences of tropical fish in temperate regions

#### DATA SCIENCE \_\_\_

# DataScience leadership:

- EcoDataScience: Organize workshops and maintain website; Group of 250+ members: <u>eco-data-science.github.io</u>
- ERRE A blog about "Rstats", in Spanish: erre-esp.org

# Software development

- startR: An R-package for internal workflow management: emlab-ucsb.github.io/startR/
- CostApp: A web-based app to estimate costs of marine-reserve implementation: innovacionazul.shinyapps.io/AppCosteo/
- MAREA: The Marine Reserve Evaluation App; A web-based app to evaluate conservation interventions: innovacionazul.shinyapps.io/MAREA
- GPSelector: A web-based tool to optimize the allocation of students to group projects at the Bren School of Environmental Science & Management:

#### R and RStudio

Numerical simulation, Spatial analyses (vector, raster), Machine learning (tidymodels), BigData (sparklyr, data.table), Package development, ShinyApp framework, R Markdown, Unit Testing, Continuous Development and Integration

# Git & GitHub

https://github.com/jcvdav/

# Google Cloud Platform

BigQuery (Standard SQL), ComputeEngine, CloudStorage

# OTHER SKILLS

# Languages

- Spanish (Native)
- English (Fluent; TOEFL iBT: 102; graduate school completed in English)
- French (Basic; DELF A2 certification)

# **SCUBA** certifications

- PADI Open Water Diver
- PADI Advanced Open Water Diver
- PADI Rescue Diver
- FCM-UABC Scientific Diver
- TDI Side mount Diver

# PROFESSIONAL REFERENCES

Dr. Christopher Costello (PhD Advisor) costello@ucsb.edu

Bren School of Environmental Science and Management

University of California, Santa Barbara

Dr. Steve Gaines
<a href="mailto:gaines@ucsb.edu">gaines@ucsb.edu</a>
Bren School of Environmental Science and
Management
University of California, Santa Barbara

Dr. Fiorenza Micheli micheli@stanford.edu Hopkins Marine Station and Center for Ocean Solutions Stanford University

Dr. John Lynham lynham@hawaii.edu Department of Economics University of Hawai'i at Manoa