Native Hawaiian and Pacific Islander communities' perspectives, Indigenous Knowledge relating to the ocean, Indigenous science, and data sovereignty for Indigenous Peoples (with insights on emerging technology)





Haunani Kane
Department of Earth Sciences
UH Mānoa



SPECIAL ISSUE ON BUILDING DIVERSITY, EQUITY, AND INCLUSION IN THE OCEAN SCIENCES

Hoʻokele ka Waʻa

RECALIBRATING THE SAIL PLAN FOR NATIVE HAWAIIANS AND PACIFIC ISLANDERS IN THE OCEAN SCIENCES

By Haunani H. Kane, C. Anela Choy, Barbara C. Bruno, Diamond K. Tachera, Kekuʻiapōiula Keliipuleole, Jennifer A.T.K. Wong-Ala, John H.R. Burns, Clifford A. Kapono, Kailey H. Pascoe, Kainalu Steward, and Rosanna ʻAnolani Alegado

Where are all of our island people in the ocean sciences?



Native Hawaiian & Pacific Islander PIs have the lowest submission rates of all races and ethnicities tracked, with numbers too small to be reported for the ocean sciences.

META-RESEARCH

Systemic racial disparities in funding rates at the National Science Foundation

Abstract Concerns about systemic racism at academic and research institutions have increased over the past decade. Here, we investigate data from the National Science Foundation (NSF), a major funder of research in the United States, and find evidence for pervasive racial disparities. In particular, white principal investigators (PIs) are consistently funded at higher rates than most non-white PIs. Funding rates for white PIs have also been increasing relative to annual overall rates with time. Moreover, disparities occur across all disciplinary directorates within the NSF and are greater for research proposals. The distributions of average external review scores also exhibit systematic offsets based on PI race. Similar patterns have been described in other research funding bodies, suggesting that racial disparities are widespread. The prevalence and persistence of these racial disparities in funding have cascading impacts that perpetuate a cumulative advantage to white PIs across all of science, technology, engineering, and mathematics.

CHRISTINE YIFENG CHEN*, SARA S KAHANAMOKU*, ARADHNA TRIPATI*, ROSANNA A ALEGADO*, VERNON R MORRIS*, KAREN ANDRADE AND JUSTIN HOSBEY



Kainalu Steward

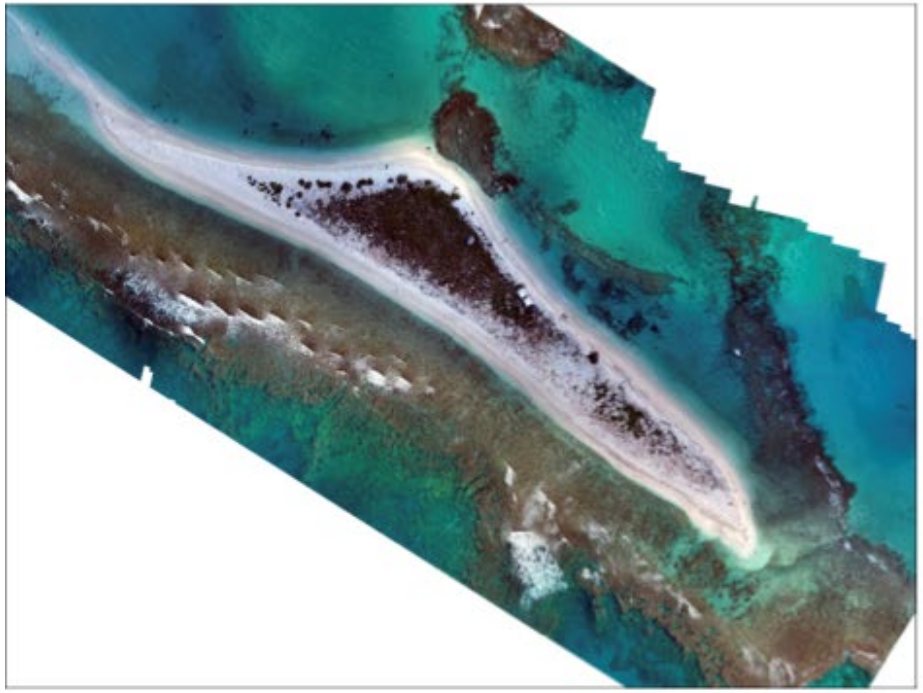
Lahaina, Maui

Pursuing a PhD in Earth Sciences at UH

Lalo

Lalo-iho
Lalo-aʻe
Lalo-kona
Lalo-hele
Lalo-hoʻoʻaniʻani
Kānemilohaʻi
Mokupāpapa

East island displaced ~ 100 m, reduced to 5% size



East prior to Hurricane (July 2018)

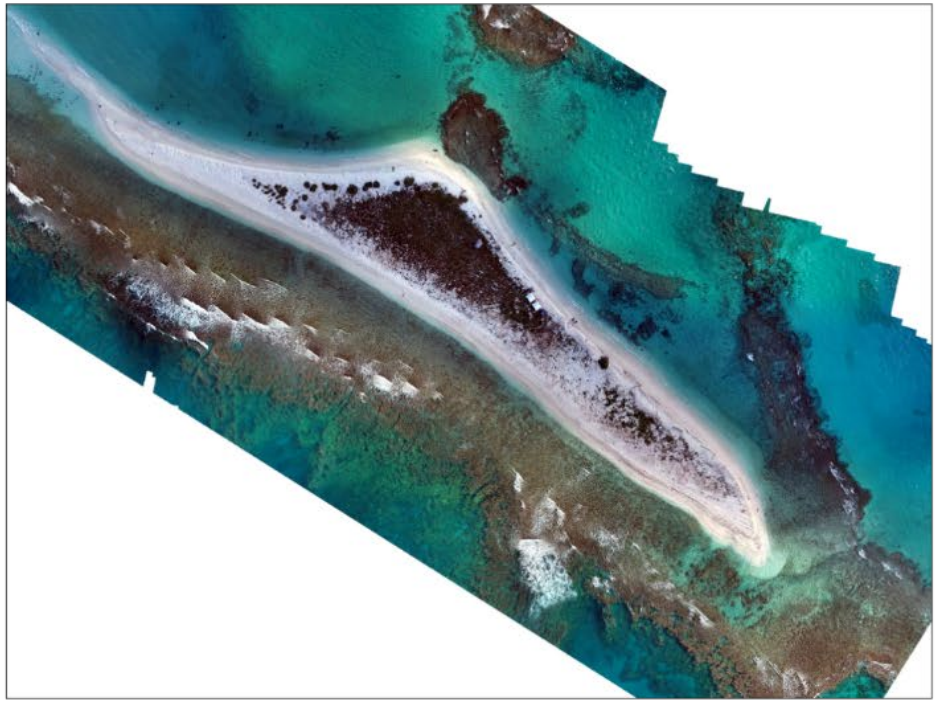


East after Cat 3 Hurricane (Oct 2018)

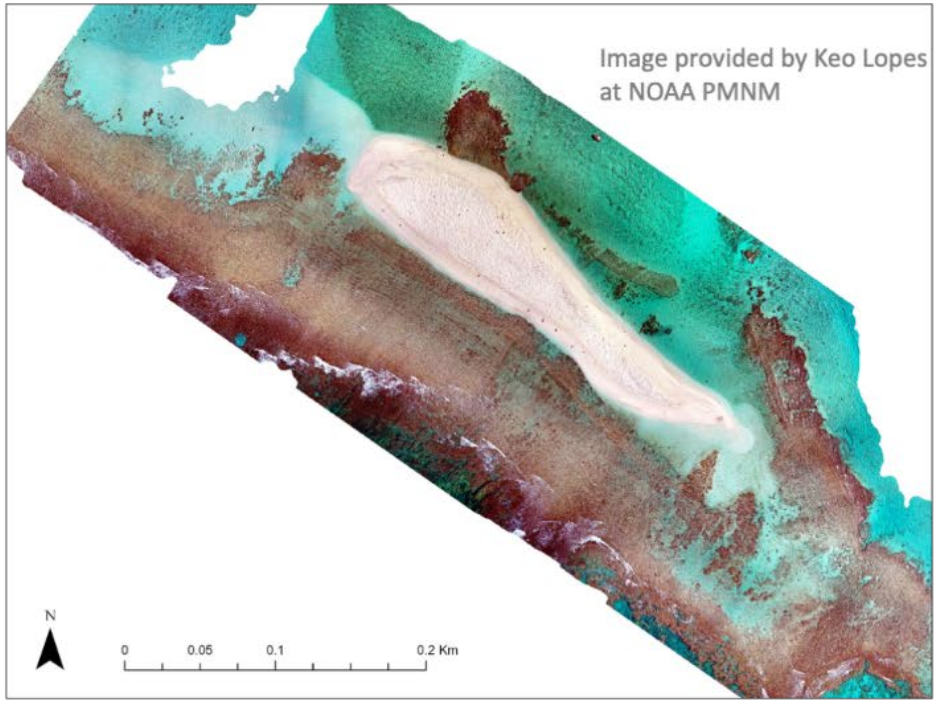
Lalo

Lalo-iho
Lalo-aʻe
Lalo-kona
Lalo-hele
Lalo-hoʻoʻaniʻani
Kānemilohaʻi
Mokupāpapa

East island recovered 56% pre-Hurricane size, approx. 12.2 ± 0.4 m/yr.



East prior to Hurricane (July 2018)



East 3 years after Hurricane (July 2021)



Kailey Pascoe

Kaneohe, O‘ahu

Pursuing a PhD in Environmental Life Sciences at ASU

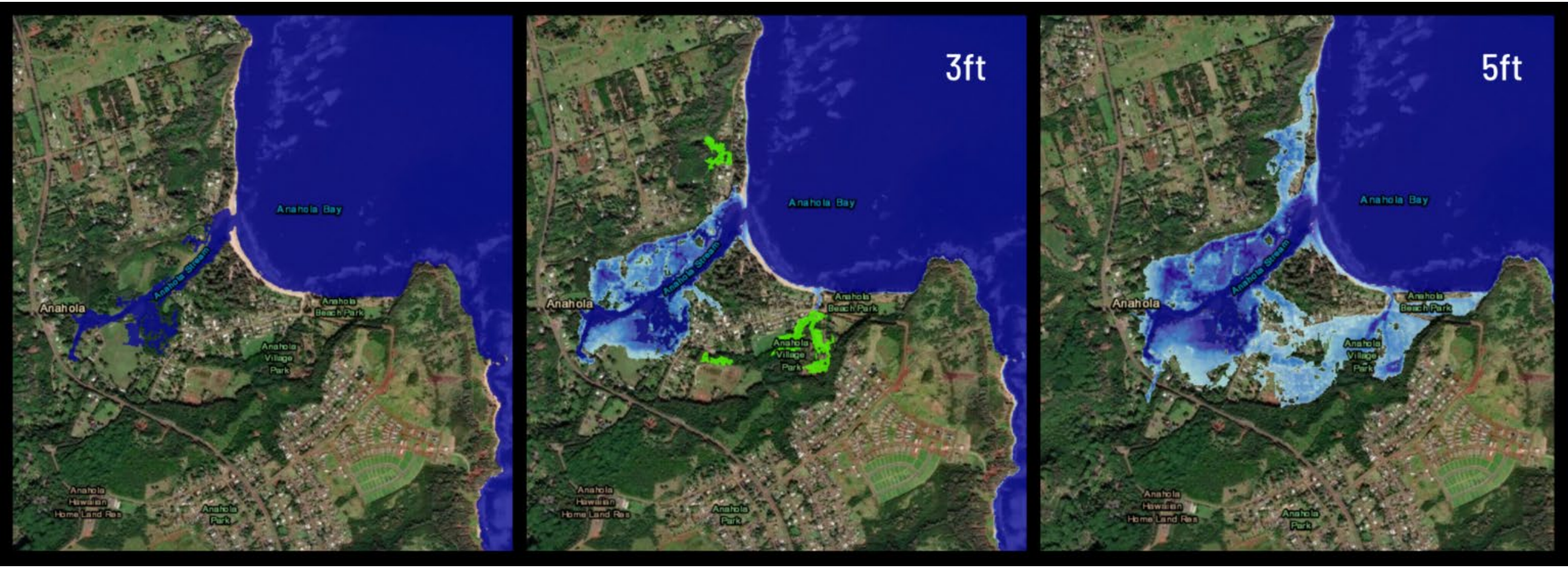


Maluhia Kinimaka

Anahola, Kaua‘i

Pursuing a MS in Marine Biology at UH

How do nearshore corals buffer flooding impacts?





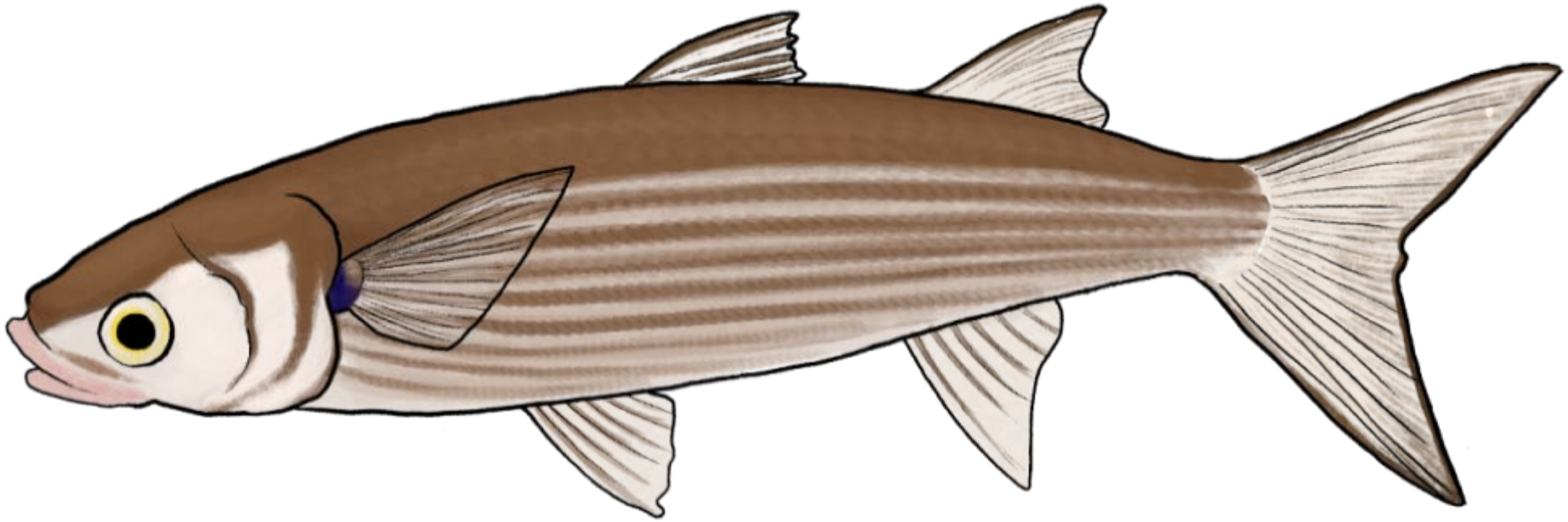


Cherie Kauahi

Hilo, Hawai‘i

Pursuing a PhD in Earth Sciences at UH

How do we return the ono to Wailoa?



ʻamaʻama, stripped mullet (*Mugil Cephalus*)

Illustrated by Lilly Crosby
https://www.seagardens.net/lokoia

How do we return the ono to Wailoa?



https://www.youtube.com/@MEGALabCam

remote sensing

Communication

Community-Based Monitoring for Rapid Assessment of Nearshore Coral Reefs Amid Disturbances in Teahupo'o, Tahiti

John H. R. Burns [1,2,*], Kailey H. Pascoe [1,3], Haunani H. Kane [1,4], Joseph W. P. Nakoa III [1,3], Makoa Pascoe [1,2], Sophia R. Pierucci [1,2], Riley E. Sokol [1,2], Krista A. Golgotiu [1,2], Manuela Cortes [1,2], Aralyn Hacker [1,2], Lorenzo Villela [1,2], Brianna K. Ninomoto [1,2], Kainalu Steward [1,4], Cindy Otcenasek [5] and Clifford Kapono [1,3]

NEWS

BTS: Local Tahitian Surfers Protest Proposed Olympic Judging Tower at Teahupo'o

From the desk of photographer Ryan "Chachi" Craig

Ashtyn Douglas-Rosa • Oct 27, 2023



