

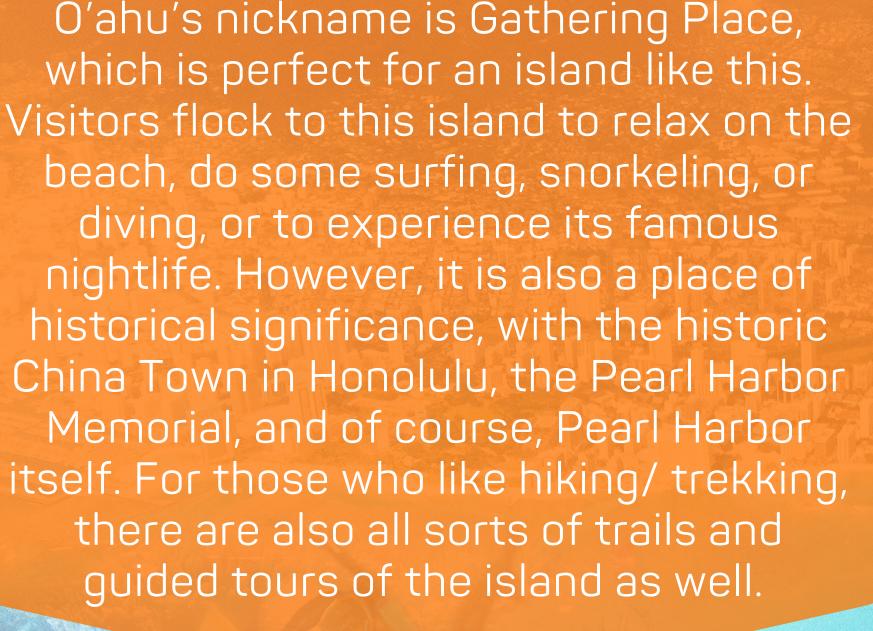


Expeditions are led by BayEcotarium's Dr.
Dayne Buddo, Marine Biologist and Director of
the Bay Academy. He will be supported by local
experts in Hawai'i who have many years of
experience. This provides the opportunity to
have subject matter experts with participants
throughout the entire Expedition and be
involved with authentic scientific research on
coral restoration, shark conservation and
marine protected areas. This involves training
in all aspects as well as an outreach
component, where climate action science
interfaces with local communities. In addition,
this provides a facilitated exposure to cultural,
historical and other nature-based activities.



We have designed the Ecotarium Expeditions As part of our global climate and ocean conservation outreach. The main focus is to provide a hands-on and immersive experience to initiatives around the world that are making a positive impact on climate resilience and ocean conservation. This has the power to change the perspectives of participants and evoke an appreciation for environmental stewardship.





O'ahu is the most urban of the Hawaiian Islands, containing two of the most popular cities— Honolulu, the capital, and Waikiki, renowned for its beaches and nightlife. Home to roughly one million people, O'ahu makes up 1/3 of the state's population. The island is made up of two separate shield volcanoes, with a broad valley between them. Geographically, it is the third largest Hawaiian island, behind the Big Island of Hawai'i and Maui.





Hawai'i is also at the forefront of coral restoration efforts throughout the world. In 2019, Hawai'i suffered its third mass bleaching event in the past five years, which is far from normal. At the Gates Coral Lab, they are currently studying assisted evolution, essentially seeing if they can create "super corals", corals that have been genetically adapted to make them resistant to warming ocean waters and other effects of climate change. They are also leading efforts in data analysis of the reefs-measuring abiotic factors like salinity, temperature, and seawater nutrient composition, as well as monitoring the health of the reef itself with photographs & tissue samples. At Pacific RISA's Coral Restoration Nursery, they are growing indigenous species of corals and out-planting them back onto the reef. In the wild, most of Hawai'i's species are slow growing, but the nursery has been able to skip ahead 20-25 years using a "Fast-Growth Protocol".

When diving, you will observe coral restoration initiatives, identify sharks, conduct coral reef assessments, swim through ancient lava formations, visit shallow wrecks, and see a wide variety of marine life including eagle rays, eels, white-tip reef sharks, vibrant reef fish, sea turtles and more.

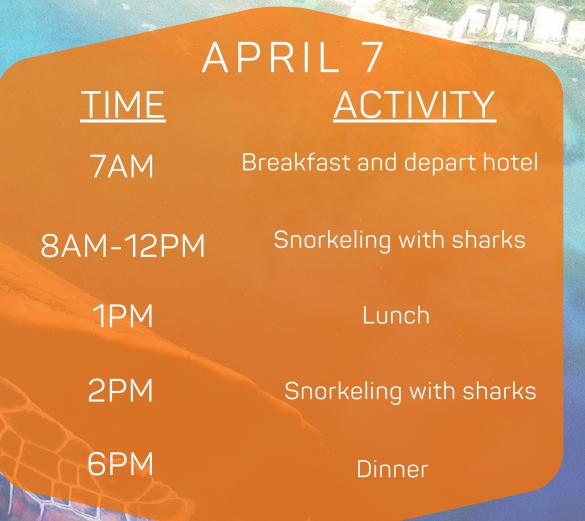
APRIL 2 **ACTIVITY TIME** Arrival, lei greeting, transfer to 2PM Waikiki hotel the Queen Kapiolani Welcome Cocktail and overview **3PM** of program with Dr. Dayne Buddo, and AltruVistas Interactive, place-based & celestial 5:30PM orientation mapping experience with Ho Mai Ka Pono Dinner and guest speaker from 7:30PM the PVS (the Polynesian Voyage Society)

	APRIL 3
TIME	ACTIVITY
8AM	Breakfast and depart hotel
9:30AM	Guest speaker - UH Manoa, School for Hawaiian Studies
11AM	Tour of UH Manoa, School for Hawaiian Studies garden
12PM	Lunch
1:30PM	Tour of Arboretum
3:30PM	Discussion with City of Honolulu representative to discuss climate change, sea level rise and conservation
5:30PM	Dinner with special guest

	APRIL 4
TIME	<u>ACTIVITY</u>
8AM	Breakfast and depart hotel
9AM	Sailing experience with Holokino, Austin Kino (Hokule'a)
12:30PM	Lunch
2PM	Visit to Moku o Lo`e - Institute for Marine Biology. Visit the coral nursery in Kaneohe. Complete lab on Coral Restoration/Ocean Acidification
6PM	Dinner at resturant



ADDILE		
APRIL 5		
TIME	<u>ACTIVITY</u>	
7AM	Breakfast and depart hotel	
8AM-12PM	Underwater Reef Surveys 2 dives	
1PM	Lunch	
2PM	Dive de-briefing and data review	
6PM	Dinner	



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APRIL 8		
TIME	<u>ACTIVITY</u>	
7AM	Breakfast and departure	
8AM-12PM	Underwater Reef Surveys 2 dives	
1PM	Lunch	
2PM	Dive de-briefing and data review	
6PM	Dinner	



APRIL 10 TIME ACTIVITY

8AM

Breakfast,check out and Airport transfers

Cost: \$7,000 USD

Includes:

- All confirmed activities in the program
- Lodging as per the program
- On-ground transportation by air-conditioned motor coach
- Domestic flight
- Airport transfers or pick up and drop off on arrival and departure days only (folks that arrive early will take a taxi). One group transfer only.
- One full-time in-country leader in Hawaii
- Expedition Lead Scientist (from BayEcotarium) and local scientific experts working with the group for the program
- Preparatory reading and orientation materials
- Admission to all programed activities
- Funds for group donations and honoraria to NGOs, projects and speakers
- Accommodation and meals for guide and driver in the provinces
- Tips for group meals
- All meals as per the itinerary
- Luggage transfer (at owner's risk throughout). Baggage allowance depends on the airline.

DOES NOT INCLUDE (Each participant is responsible for these charges):

- Roundtrip airfare to Hawaii (HNL) and departure taxes
- -Scuba gear rental
- Expenses of a purely personal nature.
- Passport or visa fees
- Room service charges.
- Gratuities to hotel staff, and to your guide and driver
- Travel Insurance (We advise that each participant arrange for their own travel insurance especially for CFAR Cancel for Any Reason).
- Extra beverages or snacks, and extra meals not on the itinerary
- Single rooms will be available and there will be a supplemental fee for the 9 nights or \$500.

APRIL 9 TIME <u>ACTIVITY</u> Breakfast and departure MA8 Observations of Lo'i kalo -9AM ancient agriculture systems 12:30PM Lunch Hike to Ka'ena Point Field assignments 2PM (Albatross banding and nest checking) 5:30PM Arrival at hotel Wrap-up and 7:30PM Farewell Dinner

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