

Engaging with Cultural Ecosystem Services Across the National Estuarine Research Reserve System

Part 1: Celebrations



Please join us on mentimeter!
menti.com
use code 77 68 09 0



Cultural Ecosystem Services
encompass the many ways the
environment contributes to
human well-being through:

- Experiences
- Connections to people
- Connections to place
- Sustenance
- and more



Other concepts that may overlap with CES

- Human Dimensions
- Nature's Contributions to People
- Reciprocal Relationships with Nature
- Biocultural Relationships
- One Health



Within the NERRS, engaging with CES could help to:

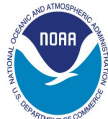
- Inform future visioning/planning
- Monitor ongoing efforts
- Evaluate project/program success
- Broadly understand relationships between humans and estuaries
- Build or strengthen relationships with local communities



Reciprocal Relationships in Reserves: Establishing a Community of Practitioners for Identifying and Using Cultural Ecosystem Services Approaches

A 2022-2024 NERRS Science Collaborative Science Transfer Project

PC: Rachel Dacks



**National Estuarine
Research Reserve System**



He'eia National Estuarine Research Reserve
Ko'olaupoko, O'ahu, Hawai'i



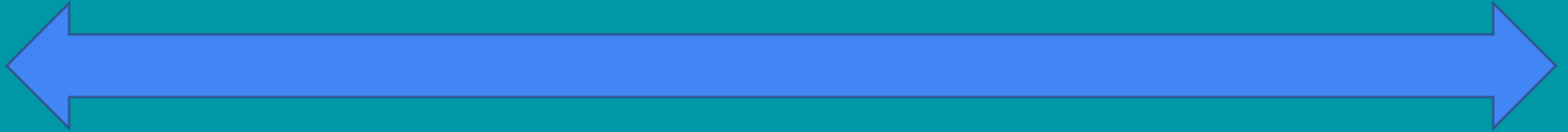
Spectrum of familiarity & engagement with CES

Unfamiliar, but may be
informally engaging with CES

Familiar, working on integrating
into existing efforts or using to
build relationships

Familiar and interested, but
not really sure where to start

Using these methods
with communities for
CES assessment



Why Celebrations?

- They are already occurring in many Reserves
- Oftentimes, in our Reserves, they are focused on celebrating the CES of a place or specific natural resources
- They are a great opportunity to identify, assess, or more deeply understand the CES of the Reserves



The *Kaleidoscope of Celebrations* Experiment Reveals Cultural Ecosystem Services Summer 2023



A summer of “participant observation” focusing on the activities, practices and events that celebrate the connections people have to the Wells National Estuarine Research Reserve





How did I participate and observe?

1. Selection of Celebrations Theme
2. Human Dimensions Pilot Project
3. International Association for Society & Natural Resources (IASNR) Conference Field Trip
4. Conversations
5. Window listening
6. Review of Reserve web site and NOAA annual report
7. Photovoice Research
8. Laudholm Nature Crafts Festival + Punkinfiddle
9. Reconcile observations with “literature”
10. A SWMP for Cultural Ecosystem Services





Jessica Brunacini's Photovoice Research

My father used to call this place heaven. Above the marsh, I spot an egret “angel” spreading its wings fully in flight. Moments like this make me think of my father and smile. Living here, enjoying our home and the beautiful nature and setting makes me feel a strong connection to him still

<https://www.wellsreserve.org/project/what-makes-this-a-special-place-engaging-our-community-with-photovoice>



<https://www.arthope.org/>



Portal Awareness Walks



<https://www.growloveportalingawareness.com/events.html>

The Kaleidoscope of Celebrations at the Wells Reserve

Envisioning a System Wide Monitoring Program for Cultural Ecosystem Services



Celebrations with Kachemak Bay NERR



Place: Ninilchik River and Watershed



WAYS OF KNOWING:
NIQNALCHINTNU

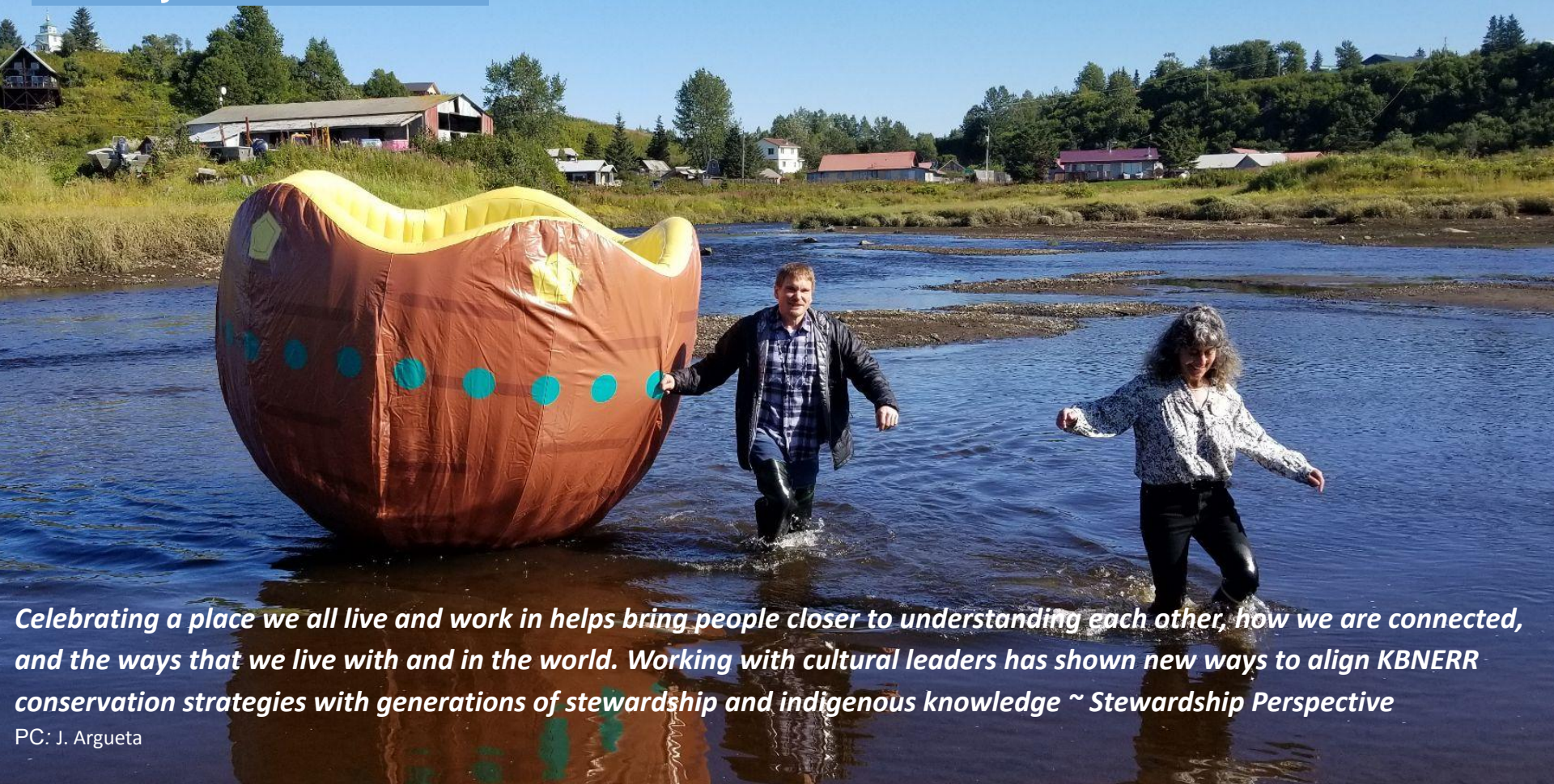


Art and Language: A. Kvasnikoff



PC: J. Argueta

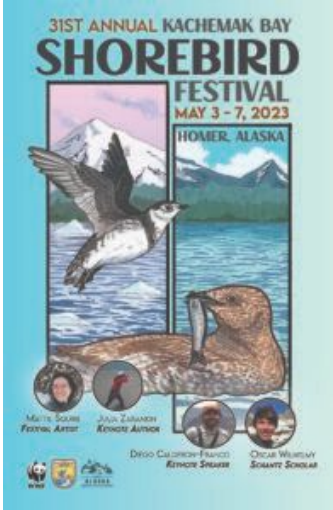
Place: Janen Celebration



Celebrating a place we all live and work in helps bring people closer to understanding each other, how we are connected, and the ways that we live with and in the world. Working with cultural leaders has shown new ways to align KBNERR conservation strategies with generations of stewardship and indigenous knowledge ~ Stewardship Perspective

PC: J. Argueta

Event: Bird Migration



Event: Kachemak Bay Shorebird Festival



Celebrations gather people together and create a unique setting for supporting community science and data collection. In Homer, these data have contributed to over 20 years of citizen science lead shorebird migration data which continue to inspire new community-based research questions. ~ Research Perspective

Birds Seen During the Festival

[eBird Map](#): Recent Kachemak Bay bird sightings

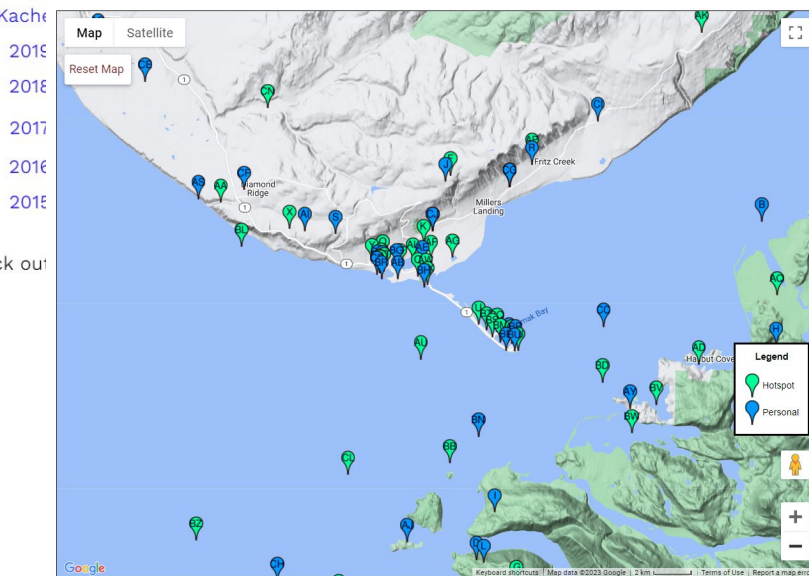
[2022 Kachemak Bay Shorebird Festival Bird Tally \(134 Species\)](#)

[2021 Kache](#)

Recent eBird records for Kachemak Bay

• Most recent observation for each species at each location •
• Last 14 Days, within 50km from Homer, Alaska •

[2020 Kache](#)



Check out:

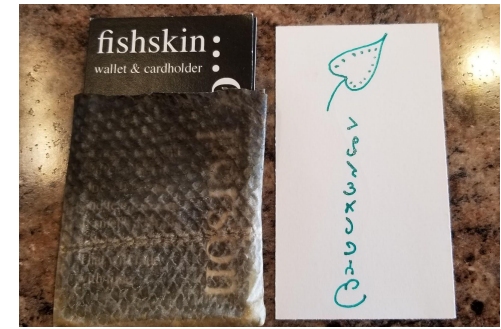
Event: Kachemak Bay Shorebird Festival

Over the years, the Junior Birder program at the Festival has inspired hundreds of youth and their families to get outside and learn the basics of birding. This opens the door to an intergenerational learning opportunity creating a relationship to place for youth, teens and adults, and an appreciation of the estuary for generations to come.

~ Education Perspective



Species: Salmon



PC: Peninsula Clarion, I. Harrauld, A. Kvasnikoff

Species: Salmon Celebrations



Kachemak Bay does not directly manage any resources or lands, but we are able to fill gaps in knowledge and connect management entities with community priorities. Celebrations help develop language of what people value about salmon and elevate CES and different knowledge systems as an important component of management.

~ Training Perspective

'Auhea 'oukou e nā hoa kūpa'a mau i ke aloha 'āina, e haele nui mai i ka

He'eia Stewardship Practitioner

LĀ 'OHANA

SATURDAY AUGUST 27 ma **MOKU O LO'E**
11a - 5:30p

ART + 'AI

Mural Painting

Lunch served at 12

MELE + MO'OLELO 'ĀINA

Music

Storytelling

HOLOMOKU + HO'ONANEA

Kawahakamanō Tour by Boat @ 2p

Come Relax and Enjoy

Family-friendly Outdoor Event - Bring your 'Ohana, a Hāli'i, Sun Protection, & Wai.

Limited parking available at the Lilipuna Pier. Please carpool.

Continuous shuttle boat service available during event hours.

46-007 Lilipuna Rd, Kāne'ohe HI 96744

Help us mālama our keiki, kūpuna, and 'ohana - if you're feeling unwell, please stay at home.

This gathering is convened with support from the Ahupua'a Accelerator Initiative, He'eia National Estuarine Research Reserve, Hawai'i Institute of Marine Biology, and the National Estuarine Research Reserve System Science Collaborative (Award No. NA19NOS4190058). Please direct all inquiries to Pua'ala at ahupuaa@hawaiiconservation.org. Mahalo nui, hope to see you there.







“Small” Celebrations

- Mākāhā building
- Thesis defense / community share out
- He‘eia Science Night
- Kick-off Grant advisory meetings
- TOTE- ending hō‘ike



PC: Megan Cabral



PC: Shimi Rii



PC: Casey Ching



PC: Shimi Rii

CES in teaching and research



Co-production of
knowledge with
fishpond kia'i,
undergrad interns,
grad students



Applying CES as Celebrations in He'eia

- Building pilina - relationships and connection to people and place
- Social cohesion
- Promoting happiness and joy through food and being together
- Knowledge transfer - multiple ways of learning in an informal way
- Key points:
 - Hold celebrations at place that promotes connections with community
 - Ensuring that the people who were involved are invited to the event, and the event planning facilitates participation
 - Celebrations do not always have to happen at the end of an event, but can happen in beginning or during share outs
 - Recognizing existing efforts / events as opportunities for promoting CES

Marine Debris Leadership Academy (MDLA)

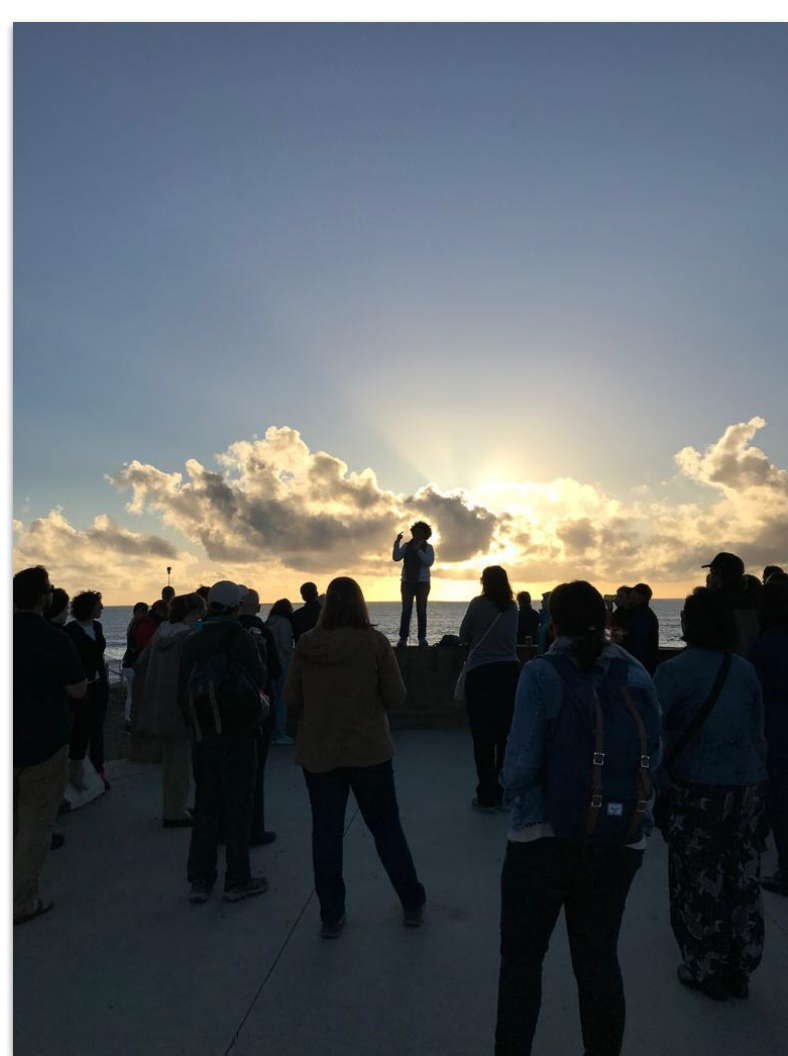
Closing Ceremony and Celebration



TIJUANA ESTUARY
TIJUANA RIVER
NATIONAL ESTUARINE
RESEARCH RESERVE



Proyecto
ResiDUOS



Goal 2: MDLA



Goal 1



Goal 3

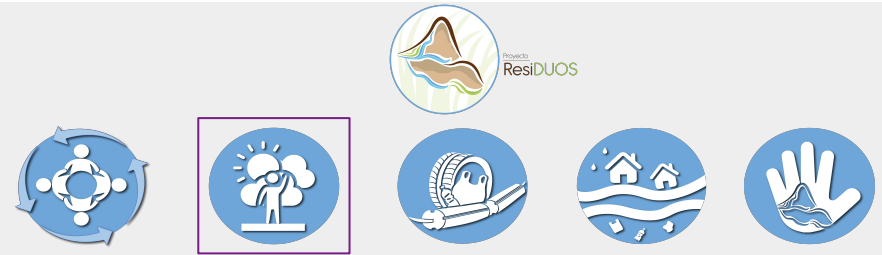


Goal 4

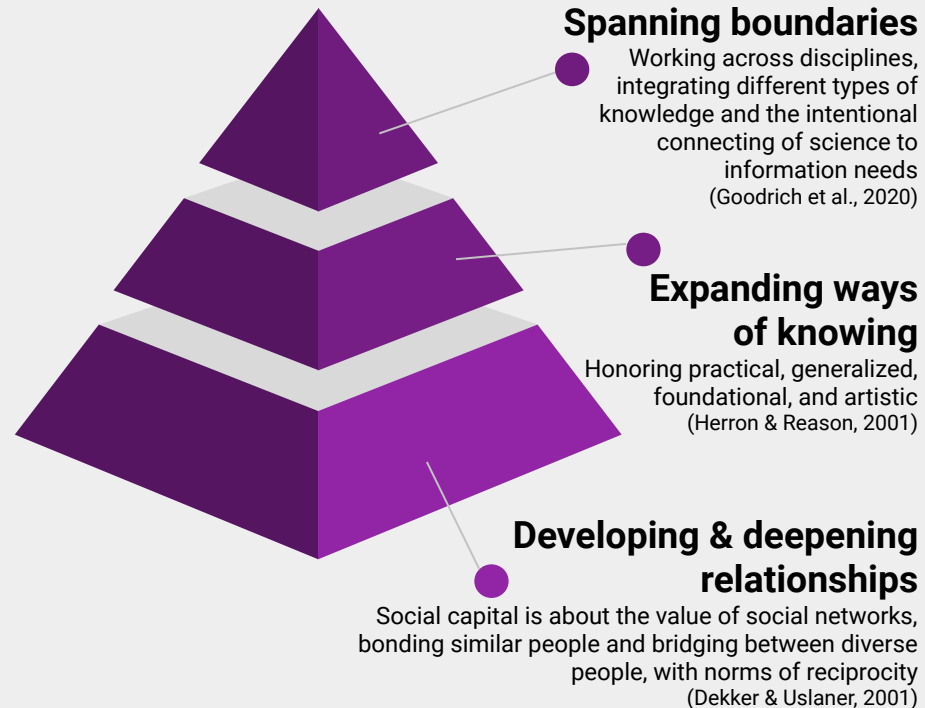


Goal 5

Intent behind MDLA



Dimensions of Adaptive Leadership



Through...

field
experiences

...

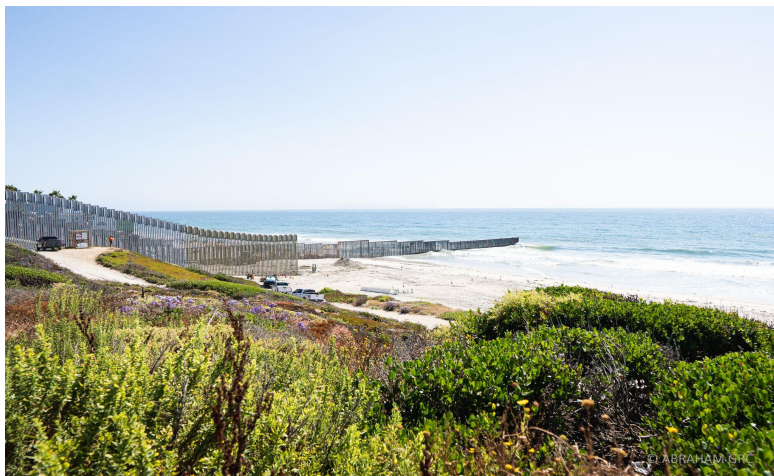
experiential
learning

...

multicultural
leadership
training

...

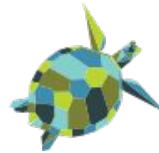
binational
relationship
building



Across the U.S. and Mexico, all scales of government, NGOs, CBOs, academia and community members are participating in the MDLA over 8-weeks, in both countries.



ITESO, Universidad
Jesuita de Guadalajara



MEDIO
AMBIENTE
Secretaría de Medio Ambiente
y Desarrollo Sustentable



PORT of
SAN DIEGO
Waterfront of Opportunity





The Breathline Project is creating 2,030 ceramic 'sediment cores' personalized with the breathlines and stories of scientists working at the forefront of ocean, earth, and atmospheric science.

[Join Patreon](#)

[Watch on YouTube](#)

Breathline

project

MDLA Activities - Week 1





Outcomes emerging from MDLA



MDLA Ceremony and Celebration - Week 8



¡Thank you // gracias!
Any questions?

Kristen Goodrich, CTP Coordinator
kgoodrich@trnerr.org



ROUND ROBIN

Please join us on mentimeter!

menti.com
use code 57 93 06 0



UPCOMING EVENTS

CES Brainstorming Session Tomorrow! (same time)

Please e-mail me for the zoom link
rdacks@hawaii.edu

Part 2: Volunteer Activities

Sep 19, 2023
12pm PDT/3pm EDT



THANKS!

Questions?

rdacks@hawaii.edu