



## Coordinating Group on Alien Pest Species (CGAPS) Meeting Agenda

9:00 am – 12:00 pm, Wednesday, June 7, 2023

*(this will be remote-participation only, no physical meeting location)*

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**\*These notes are uncorrected by speakers and participants—they represent a sense of the meeting and information shared. Readers and users are urged to verify data or information with the speaker. **\*\*ACTION ITEMS ARE IN BLUE****

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**Participants:** Kailee Lefebvre (CGAPS), Christy Martin (CGAPS), Ambyr Miyake (UH-CTAHR), Stephanie Easley (CGAPS), Andrew Porter (CGAPS), Darcy Oishi (HDOA), Arisa Barcinas (CRB), Chris Frohlich (HAL), Elizabeth Speith (HISC), Cheryl Young (USDA APHIS), Robert Speer (Master Gardeners), Rob Hauff (DOFAW), Teya Penniman (MISC), Rebecca Chong (CBP), Erin Bishop (OISC), Helmuth Rogg (HDOA), Ciara Branco (DLNR DAR), Kevin Lino (NAVFAC Pacific), Andy Cullison (DOFAW), Patrick Chee (Wildlife Society), Franny Brewer (BIISC), Jodi Chew (USFS), Jamie Miller (OISC), Janet Ashman (HFB), Elliott Parsons (Pacific RIISC), Jean Fujikawa (OISC), Chelsea Arnott (HISC), Melissa Kunz (USFS), MJ Mazurek (USFWS), Keith Weiser (CRB), Mike Nichols, Mark Fox (DoD), Nate Dube (OISC), Lori Buchanan (MoMISC), Michael Melzer (UH), Kimo Rogala

**9:00 – 9:10**                      **Welcome and Introductions:** Christy Martin

**9:10 – 9:20**                      **HDOA-Plant Industry, PQ, PPC, FestPAC:** Helmuth Rogg

- Detected CRB on Kauai. CRB response team will head to Kauai tomorrow.
- Working on FestPAC. Discussing approaches and will come up with some sort of agreement to protect ourselves. Sharon Hurd met with organizers. Organizers will come up with a list of what participants will be bringing. They know a lot more about biosecurity after we met with them.
- Working on expanding our dog team. Additional funding from PPA Plant Protection Act (~\$500k) to boost our dog program including outreach. Shifted BTS dogs to go to FedEx now (commercial carriers). Dogs are checking parcels and packages that are arriving in Hawaii. Dogs are trained in BTS as well as airline cargo. PPQ staff visually inspects each plane coming in. Guam flights are checked upon departure from Guam and upon arrival in Hawaii.
- HDOA is working on filing positions. They have filled the PQ inspector position in Kona.
- HDOA is still in the process of reviewing CH72. Went through small business review and working on public comment period. Adding the firewood part to CH72 to make sure we are protected. CH72 is important as this would make the green waste agreement permanent for CRB. Clarifying the authority to move a pest is important. **We will post the meeting notice to the CGAPS listserv. Comments are appreciated.**
- CH68: Noxious weeds. Staff is working on the list and Stephanie has worked up a review. We will be submitting it in the next few months. Some of these chapters are really old and we don't review them often but we have to do them because they are really outdated.

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*CGAPS Steering Committee: Dorothy Alontaga, USDA APHIS; Chelsea Arnott, HISC; Becky Azama, HDOA; Jodi Chew, USDA FS; Rebecca Chong, DHS CBP; Mark Fox, Emeritus; Bryan Harry, Emeritus; Alan Holt, Emeritus; Angela Kieran-Vast, NAVFAC; Michael Melzer, UH CTAHR; Brian Neilson, DLNR DAR; Benton Pang, USFWS; Adam Radford, MISC; David Smith, DLNR DOFAW*

- Octocoral: confiscated corals from an online seller. [We would like to put an alert out to the public to bring awareness about illegal imports and consequences.](#)
- As part of the general budget bill, HDOA is being allocated \$5 million for feral animal control; \$1 million for CRB Response; \$ 1 million for green waste management. CBB/CLR Subsidy program is receiving \$150k which appears to also include monies for the program manager; \$500k for compost reimbursement; \$142k in port biosecurity; \$275 in funding which was not requested was awarded for biosecurity (no proviso included); CIP requests were not funded. TLSB requests were not funded.

**9:20 – 9:25                      USDA APHIS: Cheryl Young**

- Pests being considered for various types of deregulation: *Ctenarytaina longicauda*, *Ditylenchus dipsaci*, *Megalurothrips distalis*, *Chrysanthemum* white rust. [The first three, please work with HDOA to submit comments. For chrysanthemum white rust, you can submit comments directly to regulations.gov](#)

**9:25 – 9:30                      DHS Customs & Border Protection: Rebecca Chong**

- Passengers are going up. About 3500+ but before COVID it was about 9k. Maybe because people are using other carriers to send items (FedEx, DHL, etc.) Sea cargo is steady. Staffing has some movement. Ag specialists have moved around. We should have some Ag Inspectors come on board soon.
- We have been seeing seeds, fresh fruit, federal noxious weed seeds, rice straw, Japanese products. Air shipment has been getting a lot of cut flower products. Seeing a lot of birds nest (for soup).

**9:30 – 9:40                      NAVFAC Pacific Octocoral in Pearl Harbor: Kevin Lino**

- AIS Octocoral in Pearl Harbor. 1 species first identified in 2020. Working to eliminate octocoral. Since then we have found more octocoral and recently identified a second species. We have contracted divers in the water this week. Divers are also doing ROV surveys. We will be developing a rapid response plan to eradicate the species in a 2-day meeting. We will send the draft to CGAPS partners. We also have an Army dive unit and they have been inspecting and surveying presence/absence of octocoral in waters. We spoke with NMFS, they are in concurrence with us to have an eradication effort for the 9+ acres. We will be essentially “smothering” species by wrapping them. Lab trials for air exposure. Base is working on restricting public access to impacted areas by water goers (fishers, etc). Public announcements have gone out about this and led to catching a “seller” mentioned by HDOA. Leads us to believe that it is an aquarium release issue. Will still continue to research the possibility for biofouling/ballast water transport.
- Can we do DNA testing of “confiscated” octocorals to see if this is the source of octocorals in PH?
- [If you have questions/want to participate in the working group, reach out to Christy.](#)

**9:40 – 9:45                      DLNR DAR: Ciara Branco**

- Annual invasive algae monitoring in Kaneohe Bay and Waikiki MLCD was completed in March and May 2023.
- Approximately 100,000 native collector urchins have been outplanted to manage invasive algae, with a total of over 1 million urchins released to date. (Urchin hatchery started producing in 2011)

- DAR staff has been working on the invasive octocoral infestation in Pearl Harbor by participating in a working group facilitated by Christy Martin (thanks Christy!), compiling presence-absence maps, and applying for scientific access in Pearl Harbor waters. There are now two non-native octocoral species confirmed with genetic analysis done by the Toonen Lab. (Department of Defense is the lead in the work going on in Pearl Harbor relating to these octocorals).
- DAR performed a hull inspection partnering with Brian Hauk from NOAA to inspect two vessels slated to go up to the monument in May 2023.
- The Ballast Water and Biofouling Biologist is currently attending a conference in the Galapagos and will present NOAA's hull inspection protocols to international partners.
- Three DAR AIS proposals were accepted as part of the Department of Defense Readiness and Environmental Protection Integration Program Award and include funding for invasive algae management via native urchin biocontrol, eDNA monitoring of harbors, and an Early Detection and Rapid Response Coordinator.
- If you have any questions, please contact Kimberly Fuller: [Kimberly.h.fuller@hawaii.gov](mailto:Kimberly.h.fuller@hawaii.gov)

**9:45 – 9:50**

**USFS:** Jodi Chew

- No updates

**9:50 – 10:00**

**LFA Oahu:** Chris Frohlich

- There are a number of active sites on Oahu. We have about 31 or 32 active sites currently. They are in the 1-year long treatment phase. Some sites still need to be delimited and some have already received treatment. Treatments are done every few weeks for about a year and then it reaches the monitoring phase. In the monitoring phase, teams go back about every 6 months to monitor. There are a few sites that are large (several acres) but most sites on Oahu are small (about 5000 sq. ft.).
- If we had a full time team to work on LFA on Oahu, we could conceivably control these sites but we only have 2 full-time staff members and we cannot get these sites to the monitoring phase. OISC has been helping and has 1 staff member to work on LFA part-time. [Need to build capacity in order to do treatments.](#)
- Between May 2022 and May 2023 15 new sites were detected. Previous years (Between May 2020 and May 2021, and between May 2021 and May 2022) 5 sites were detected per year
- We are stretched thin in terms of the sites we can survey while still keeping on top of our treatment and monitoring schedule. Strategizing with OISC to have their help with outreach- letter writing for access
- We have a recent trend towards larger sites (6 sites are at least 4 acres, which doesn't seem too large, but also involves many land owners) We also have a couple sites that are blending together, which is fun. Lanikai area
- 43 total sites
- 30 active sites currently being outlined and treated
- 8 sites are in a monitoring phase (meaning our last surveys after going through at least a year of treatments have come back without any ants detected)
- 5 sites have gone through 5 or more years of monitoring and no ants have been detected, which means the management of these areas is complete

- 7 sites are due for end of treatment surveys to assess LFA presence/absence
- Inter and intra island spread is probable. Sharing of material/plants between and around the island. Anything coming from Hawaii Island is our biggest concern. We are on the lookout for these plants and materials.
- **Maui Island Update:** Working on coordinating a statewide summit for LFA. We have had a total of 19 infestations with the largest one at 175 acres. We have just moved 2 sites into the eradication phase (5 years of monitoring). We have 7 staff working on LFA and it makes a difference to have that level of resources. We only have that because of Maui County's support. [Teya is willing to work together to gain Honolulu county support.](#) Most of the reports come from the public; therefore, outreach has been critical. We will be getting our detector dog this year for Maui and Oahu. It would be great to talk to HDOA to talk about it.

**10:00 – 10:05 DLNR DOFAW: Rob Hauff**

- HISC budget update: Large one-time amount. Instead of giving CIP funds for fencing, they gave us \$10Mil in general funds (this will keep Emma's program busy trying to get contracts done in the next year). [We are recruiting for a variety of positions, encouraged to use 89-day hire that may be renewed up to 2 times and may lead to a permanent position.](#) Great for those right out of school and looking for work or those who want to get acquainted with DOFAW. Reach out to Rob with any interest.
- ANPRO detected CRB damage on an endangered Pritchardia palm in the wild in the Waianae Mnts. First detection of damage to a Pritchardia palm in a natural area.

**10:05 – 10:10 ROD: Rob Hauff and Ambyr Miyake**

- We haven't had new dramatic detections. Kauai has been dealing with Lukuohia in Kokee and Hawaii Island is facing spread across island. We lost our lab technician, Eva Brill, to another job in the mainland. We have reduced capacity to analyze samples. ARS lab has been doing a lot of samples from an Ohia log testing for the export of logs off of Hawaii Island and have since shifted focus.
- Sent ROD staff to New Zealand for a symposium on ROD at the International Congress on Biological Invasions and were received well.
- Senator Hirono's bill has been heard and is moving forward. This bill will provide about \$55 Mil across 11 years.
- Outreach:
  - April was a busy month, Earth Day, Ohia Lehua Day, Merrie Monarch.
  - Merrie Monarch had great attendance, good engagement.
  - Hosted 6th Annual outreach workshop in May. 40 participants of people providing outreach across the state over a 2 day workshop with site visits, lab visits and classroom presentations. Hauoli Mau Ola Foundation funds the workshop each year.

**10:10 – 10:20 CRB (including Kauai detection): Arisa Barcinas**

- Recent Developments
  - Trap detection at Lyon Arboretum (May 2023)
  - Trap detection at and nearby Ho'omaluhia Botanical Gardens (new find)

- Trainings for urban forestry and botanical garden staff
  - Kaua'i beetle caught (2 female beetles)
    - Response plan: breeding site surveys, palm damage surveys, treatment of risky material, installation of more traps
- Palm Treatments:
  - Injections to Hawaii Kai coconut palms
  - JBPHH injections started
  - Will be Injecting palms around ports, HNL airport pending
  - Increased sanitation measures implemented
- Compliance agreements
  - 52 businesses and organizations have completed training and have been finalized with HDOA.
  - Interim Rule ends July 2023, awaiting permanent rule
- Palm surveys
  - Palm surveys of all palms around ports on O'ahu
  - Palm damage surveys on Kaua'i
- Trapping
  - Recent improvements to camera traps (13 total)
    - Most active near sunset (8pm is most active trap time)
- Kauai Detection
  - 4 CRB response staff will fly out to Kauai Thurs/Fri (6/8-6/9/23)
  - One-mile buffer around each find. Focus on initial surveys and trapping will be within the buffer. Provide maps of potential breeding materials, maps of host palms, deployment of more traps (also with camera traps) and determining presence of any CRB damage. We will also arrange fumigation of the Lihue refuse transfer station (next to site). This is expected to take place next week.
  - KISC and Kauai County (Public works department) are working well with the response. County was willing to shut down all green waste operations.
  - Molecular analysis of the beetles will be done later today.

**10:20 – 10:30      HISC and Ports of Entry Pest Monitoring Program (Mamalu Poepoe): Chelsea Arnott**

- Ports of entry program: Formerly known as Mamalu Poepoe (this was name of pilot project). All systems go except have not established Maui sea port yet but intend to do so. June starts Japanese Beetle monitoring program. Leyla put together a training of ID'ing of Africanized honey bees and CRB. Leyla is working on mosquito training for HDOH staff from the Clean Water department.
- Partner agencies: we will be applying for NCE funds.
- \$5.75 Million in recurring funds. Subject to 20% restriction. Results in 1.5 million restriction which is the full DLNR-DOFAW wildlife budget. HISC received an additional appropriation of \$1.5Mil so balances out the restriction. HISC applications closed last week and we will do evaluations. HISC first meeting of 2023 will be next week on June 13, 2023. Should be short and non-controversial meeting. All new council. HIBP updates will be addressed in the meeting.
- Planning on an LFA statewide workshop to inform a strategic plan in August.
- Working with Mark Fox (DoD) on REPI funds. Working on FY24 requests.

- **643PEST:** If you are interested in seeing what reports are coming through [643pest.org](https://www.643pest.org) visit <https://www.643pest.org/Dashboard.aspx> (but give it a few seconds to come up)! Lots of CRB reports.

**10:30 – 10:40**                      **Break**

**10:40 – 10:45**                      **UH Agrosecurity Lab: Mike Melzer**

- New college administration: Ania Wieczorek (Interim Dean), Jeremy Elliot-Engel, and Walter Bowen.
- PEPS - position requests: lost a lot of positions in the last 2 years. We put in 10 requests last year and none of them were approved. We are trying for 3 positions this year: Applied Plant Pathologist, Insect Vector Symbiont Research, and Extension Agent-Pesticide Safety and Education. Positions just got submitted so fingers crossed. Current Insect ID'er and virologist may be vacating their positions soon.
- Received a \$7M educational grant called Pacific Continental Network (PaCoN). [Recruiting students for biosecurity training and research](#). High school to PhD level with preference for Native Hawaiian and Pacific Islanders and Tribal Native Americans. Collaboration between UH Manoa, Leeward CC, and Oklahoma State.

**10:45 – 10:50**                      **NPS: Written update from Jadelyn Moniz Nakamura**

- Haleakalā NP
  - Avian malaria project: All compliance, permits and registrations have been completed. Began a mark-release-capture study with the incompatible male mosquitoes on May 11. Goal is to begin larger landscape scale deployments in November.
- Haleakalā NP & Hawai'i Volcanoes NP
  - Public comment is now open for the Environmental Assessment (EA) for the Hawai'i Volcanoes National Park (HAVO) and Haleakalā National Park (HALE) Air Tour Management Plan (ATMP). Comment period closes June 20, 2023. Find the link [here](#).
- Hawai'i Volcanoes NP
  - Kristen Paxton is the new Wildlife Biologist at Hawai'i Volcanoes.
- Kaloko Honokohau and Puuhonua O Honaunau
  - New acting Superintendent is Nancy Hendricks
- Honouliuli National Historic Site
  - Announcement for new Superintendent is out on USAJobs
- All Parks
  - Parks have been busy the last 5+ months putting together proposals for funding through the Bipartisan Infrastructure Law (BIL) and the Inflation Reduction Act (IRA) bills and are starting to receive funding for both staffing and projects.
- Conferences
  - May 8, 2023 --Territorial Climate and Infrastructure Workshop sponsored by OIA was held. DOI agencies in the Pacific provided short summaries for their activities and collaborative projects.
  - May 10 – 16 – National Nature Assessment held listening sessions. They sought input from communities about how identification and terminology, concepts and what nature and cultural linkages looked like here in the Pacific and Hawaii communities.

**10:50 – 10:55      NAVFAC Pacific JBPHH: Written update from Norma Creps**

- US Army Garrison, Hawaii- Army provided OLDCC (Office of Local Defense Community Cooperation) with a letter of support in regards to the Biocontrol Facility and response from OLDCC was positive. Hope to help get this essential project off home base.

**10:55 – 11:00      USFWS: MJ Mazurek**

- Hawaii: support for aquatic nuisance plan and is working through USFWS of \$95k. \$40k to CGAPS.
- Wolbachia: working with partners at DLNR and NP's. Various funding streams are available. Maui EA is out. Draft EA for Kauai is coming out later this month.
- Western Pacific: Guam suffered typhoon Malwar. Currently half of the island has electricity and water has been restored to half of the island. Worked with the BTS team to get traps out of the field before the typhoon. Inspections for BTS for cargo leaving Guam is a major concern. LFA spread is a big ordeal with all of the debris being hauled and stored on island. Biggest issue is that cell communications are down. Teams will be equipped with satellite phones for the future. A live BTS was found on a United Airlines flight by a mechanic. May have hitched on to the plane (in wheel well) on a 14-hour layover, seems to have been missed by multiple canine inspections. There has been significant damage to refuge fences and ungulate fences.
- A lot of awareness about invasive species going around including on social media.

**11:00 – 11:05      BIISC: Franny Brewer**

- Devilweed: Devilweed was first detected on Hawaii island in 2020. A recent public report was in a new location on island. We have not delimited the site yet. Most of it was on 1 property and extended into the forest. This is the largest infestation on island and it is a high priority for BIISC. The resident has since had a family emergency off island and crews have not been able to access the property so they are in limbo until they return. This population would've never been found from a roadside survey so outreach and public reporting is SO important. As far as we know all devilweed is in Hilo and Puna.
- Hiring 2 field associates. Will be losing 2 others. Hoping to hire Kupu interns or student help.
- Participation in Ocean Day event, classroom visits, summer programs
- Working with Hakalau Wildlife Refuge. Team will do 7 or 8 camping trips in Hakalau.
- ROD Heli ops will continue this summer as well.

**11:05 – 11:10      MISC: Teya Penniman**

- Outreach & Education:
  - News Flash! Lissa Strohecker will be rejoining the MISC team as our PR/Education Specialist in early August.
  - Hō'ike o Haleakalā curriculum – website issues are pushing us to look at updating and making the curriculum site more teacher friendly.
  - Presentation at the Haiku Community Association last month. Very supportive.
  - Maui Ag Festival was very busy this year.
- Early Detection / Rapid Response:

- o Forest and Kim – the “original” ED dynamic duo have RETIRED! They will still be available for consultation and will remain active with the Committee.
- o They had already farmed out some of their work – Mike Ade has been doing airport surveys; Monte does all the ant ID work and is learning more of the insect IDs (has become an invert nerd).
- o Mike already does the ROD response.
- o Elizabeth Speith in 643Pest capacity helps a lot.
- o Gaps we will fill with increased staff training – CRB, naio thrips
- o May not won’t do roadside surveys
- Little Fire Ants:
  - o News Flash! Two more eradications (five years) – now at 7 eradicated, 5 monitoring, 7 active treatment.
  - o Hoping to have detector dog this fall!
  - o No more aerial operations needed at the Nahiku site – plan to write up a technical report on the project.
- Coqui:
  - o Have 6 active community coqui control groups – hope to add another
  - o Coqui barrier fence project is starting with subcontractor to begin clearing vegetation.
  - o Hiring additional staff.
- Plants
  - o Density of miconia in core area has increased.
  - o Support from NPS-HALE working with UH Hilo Ryan Perroy’s SDAV lab to finetune remote survey operation before going for snapshot of entire miconia infestation.
  - o Plan to hire additional staff.
- Staffing: has been held up by contracting issues with the County will hopefully be resolved soon.
  - o Coqui – hiring
  - o Plants – will be hiring shortly
  - o Dog handler – will be recruiting shortly
  - o Management structure – reviewing overall structure re: ops and grant management
  - o Manager will recruit soon

**11:10 – 11:15            MoMISC: Lori Buchanan**

- No coqui, LFA, ROD or miconia.

**11:15 – 11:20            OISC: Nate Dube**

- Delay in account openings.
- Normal OISC operations are ongoing.
- Restarting chromolaena surveys.
- Purchase of HBT gear.
- Waimanalo coqui population has expanded from 1 major hotspot to across 5 gulches. We are in emergency mode at the moment. Working with HISC and HDOA on projects. Working on a press



release. We are looking at volunteers to help with backpack spraying until citric pipeline (technique used on Maui) is on board.

- Funding to create a team of 5 to deal with LFA and coqui. Hoping to get some space for 2024 because we have outgrown our space at OISC baseyard. This is a challenge on Oahu as spaces typically want multi-year leases and we cannot commit due to funding.
- 12th Oahu huliiohia detection was found in Makaha, trailside. Felled tree but did not tarp.
- Expanding with Ports of Entry program to increase # of species we are looking for and outreach staff filmed training to watch at a later time.
- HDOA wants us to dispose of greenwaste, material is piling up. Need a permit to dispose but haven't been able to reach the contact.
- OISC committee meeting happened in April 2023. Next meeting is June 27, 2023.
- Outreach was really busy this year. Still responding to ROD calls. LFA hoike project in schools have resulted in 3 new sites detected. Classroom presentations are ongoing. More in-person outreach options and events to table this year.

**11:20 - 11:25**                      **KISC:** Tiffani Keanini

**11:25 - 11:35**                      **HISC/CGAPS Strategies Update** (Strategy 2: Inter/Intra-Island Movement of Terrestrial Invasive Species)

- CH72 clarifies HDOA authority to assess and inspect high-risk non-agricultural commodities and cargo. This rule change is critical for this strategy.
- Reporting through 643pest hotline and online is going well.

**11:35 – 11:45**                      **CGAPS:** Christy Martin

- Stephanie Easley: assisting HDOA in updating CH72 and CH70 rules. CH70 is the firewood and citrus chapter. CH68 is the noxious weed rules that is being looked at by CGAPS and HDOA. Also assisting HISC with administrative rules.
- Kailee Lefebvre: Successful with passing a resolution designating August 8th as Hawaiian Honeycreeper Celebration Day. Students and teachers (2000+) participated in the advocacy of this resolution with over 2000 pieces of testimony in support of resolution. This project is similar to last year's advocacy project that passed a bill naming ohia as Hawaii's state endemic tree. [Please sign up for updates on the Celebration Day events:](https://www.birdsnotmosquitoes.org/celebratehawaiianhoneycreepersday?utm_source=Website+Newsletter+Sign+Up&utm_medium=Flyer&utm_campaign=Celebrate+Hawaiian+Honeycreepers)  
[https://www.birdsnotmosquitoes.org/celebratehawaiianhoneycreepersday?utm\\_source=Website+Newsletter+Sign+Up&utm\\_medium=Flyer&utm\\_campaign=Celebrate+Hawaiian+Honeycreepers](https://www.birdsnotmosquitoes.org/celebratehawaiianhoneycreepersday?utm_source=Website+Newsletter+Sign+Up&utm_medium=Flyer&utm_campaign=Celebrate+Hawaiian+Honeycreepers)
- Andrew Porter: VIDA act; there has not been a lot of movement. EPA has pushed back and will repropose legislation which will be finalized by end of 2024. After that, US Coast Guard will start implementation of regulations. USCG has already been hosting meetings to be prepared for the enforcement and implementation of VIDA. SCTLD: interim rule has gone to AG's office. This rule would prohibit vessels that come from SCTLD impacted areas from discharging ballast water and cleaning of biofouling in Hawaii waters. SCTLD has proven to move around on biofouling and ballast water. We hope to get the rule submitted to the board and hoping to hear back from AG's office. At the same

time, we are drafting some permanent rules (has to go through CH90 rulemaking process). Submitted a white paper to look at what we can do, under law, to mitigate STCLD.

- SCTLD dashboard: <https://www.arcgis.com/apps/dashboards/54b5df5c111b4fcc986e300c6aea63a3>
- Christy Martin: Sits on the national IS committee. Subcommittees were formed and working on producing white papers. One subcommittee is working on the nexus between IS and Climate Change, another subcommittee is looking at underserved communities and climate change.

#### 11:45 – 11:55 Additional Partner Updates

- **Mark Fox:** Working on a year assignment to support DoD's [Readiness and Environmental Protection Integration](#) Program. Also working on designating sentinel landscapes- partners within these areas will score higher for federal funding opportunities. Working with HI projects like watershed partnerships, DOFAW, ISCs and others. Projects need to be relevant to national defense. REPI can match other federal funding. **Mark Fox:** [mark.r.fox@noaa.gov](mailto:mark.r.fox@noaa.gov) or (808) 754-4758
- **Patrick Chee:** helps out with wildlife society working with Toxoplasmosis and at-large cat group. Next meeting is June 26, 2023. We will try to coordinate the meeting around HCC. We also work with Hawaiian Humane Society and other vet organizations to put out "Pono Cat Campaign" which speaks about keeping healthy cats at home and how it helps out the environment. [If you need any support for conservation efforts reach me at The Wildlife Society or Toxoplasmosis and At-large Cat Working Group pchee@hawaii.edu or 808-783-8068](#)
- **Elliott Parsons:** We do a monthly summary of relevant research and make it easily accessible and digestible. Also working on "management challenges" which are 1-pagers that look at IS and climate change issues in further detail. One example is storm impacts on infrastructure.
  - [Upcoming webinar](#) on how climate change and invasive species are impacting anchialine ecosystems and Hawaiian fishponds. Wednesday,
  - Pacific Regional Invasive Species and Climate Change Management Network – Pacific Island Climate Adaptation Science Center (hawaii.edu)
  - [Upcoming 2-hour Pacific RISCC workshop](#) on climate adaptation for Invasive Species managers,
  - <https://docs.google.com/document/d/1GGbmAFEu5enokInuMrq7m7HAMMgrLNV3kxLPuAYbLCI/edit?usp=sharing>
  - Here is a story about the article: Biological Invasions are as Costly as Natural Disasters
  - <https://www.sciencedaily.com/releases/2023/04/230418101410.htm>
  - The article is open access, so the article link is below and it is attached as well.
  - <https://doi.org/10.1016/j.pecon.2023.03.002>
  - <https://pi-casc.soest.hawaii.edu/pi-casc-programs/communities-of-practice/pacific-riscc/>
- **Teya Penniman:** Conservation folks [Mark Wright?](#) and Bob Hobdy both recently passed away. Bob Hobdy was interviewed recently on the new Land and People podcast, you can check it out here, Episode 2: <https://podcasts.apple.com/us/podcast/land-and-people/id1651337929>

#### 11:55 – 12:00 New Business and Announcements

**Note:** To join or leave the CGAPS listserve, click here (<https://bit.ly/2RExLJP>) or, go to the University of Hawaii's listserve webpage and search for the CGAPS List.

**Save the Date:** The next CGAPS General meeting will be held in person on 9/6 from 9-12p at the HDOA Plant Quarantine office conference room! A hybrid option is also available. You can register with this link: <https://hawaii.zoom.us/meeting/register/tJ0tf-qopjsqHdGWBuod56DEfbydjSxLQiq#/registration>