



HISC Meeting
August 27, 2020, 1:00 PM
Virtual attendance:

https://www.youtube.com/channel/UCFT6SAASZIUxd_XgZMCjGsQ

AGENDA

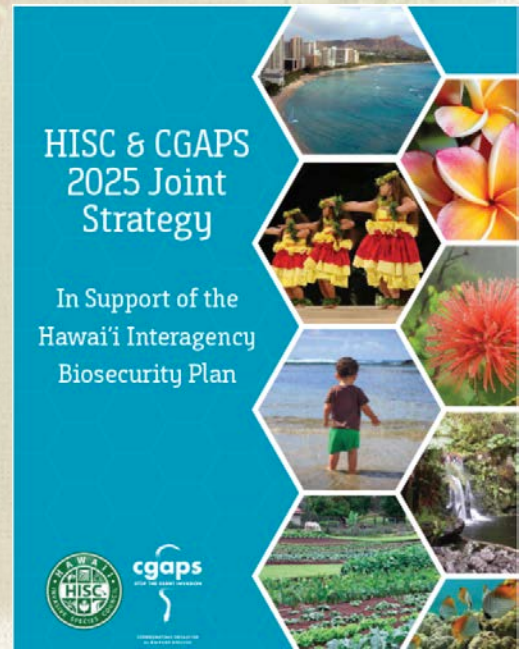
1. Call to order
2. Introductions
3. Approval of minutes from May 20, 2020 meeting
4. Discussion: Congressman Ed Case on COVID19 relief funding, Forest Bill and other natural resources updates
5. Submittal: Requesting approval of a recommended budget for Fiscal Year 2021
6. Public Comments
7. Adjournment

Budget Process

1. Call for proposals: priorities based on new HISC/CGAPS 2025 Strategy
2. Eval Committee: representative of HISC agencies & Working Group Chairs, scores:
 - a) how many priorities are met and
 - b) how well the application addresses those priorities
3. Calculation used to create initial balanced budget
4. RWG meeting to produce final recommendation based on discussion (8/12)
 - a. Structured primarily as a discussion among the Eval Committee members
 - b. The public, including applicants, can attend and weigh in
5. Council reviews budget for approval (8/27)

New Priorities

1. Prevention & Early Detection/Rapid Response for New Terrestrial Invasions
2. Inter/Intra-Island Movement of Terrestrial Invasive Species
3. Aquatic Biosecurity
4. Large-Scale Control of High-Impact Invasive Species
5. Pacific Regional Biocontrol (Capacity)
6. Engaged & Supportive Community





2020 Resources Working Group

- **DBEDT/Resources WG:** Justine Nihipali
- **DLNR/Control WG:** Rob Hauff
- **HDOA/Prevention WG:** Jonathan Ho
- **UH CTAHR /Research & Tech WG:** Mike Melzer
- **UH-CGAPS/Public Outreach WG:** Christy Martin
- **HDOA:** Kevin Hoffman
- **DOH:** Grace Simmons
- **DOT:** David Rodriguez
- **HISC Staff**

Funding Available

Total Requests	\$9,216,501
Appropriation	\$5,750,000
After Restriction & DOFAW Overhead	\$4,558,152
HISC Support, HBIN, WRA	\$439,943
Remaining	\$4,118,209

Legislative Stipulations on Funding

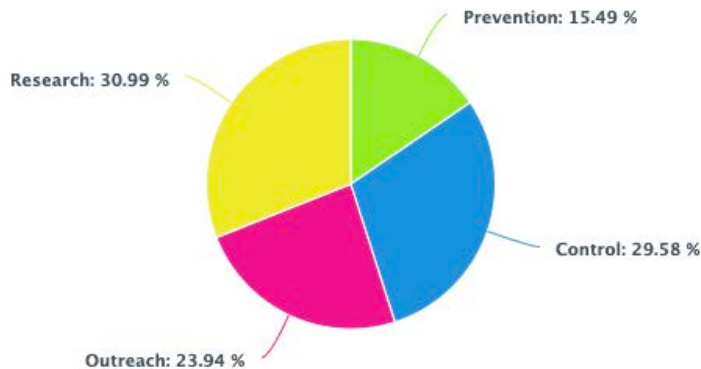
Category	Minimum
Invasive Species Committees	\$500,000
Maui Coqui	\$63,000
Maui Little Fire Ant	\$61,200
Biocontrol	\$275,800
Landscape-scale mosquito control	\$100,000

Applications Received (53)

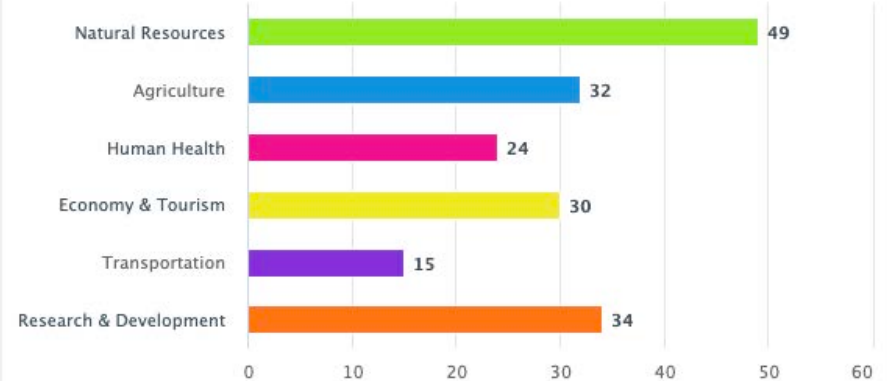
9,216,501

Total Amount Requested (SUM)

Project Category



Relevant Sectors



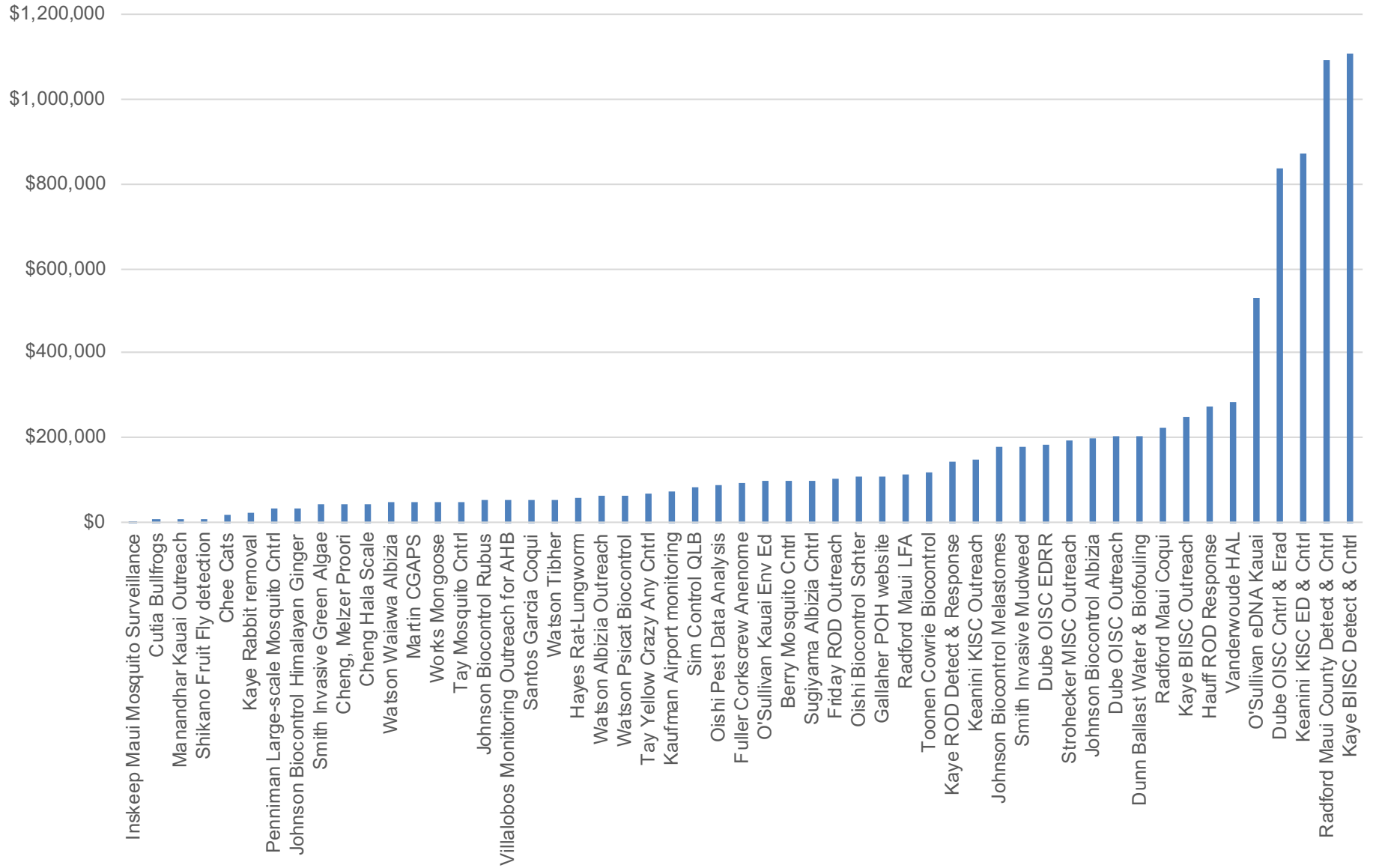
4,591,313

Total Existing Non-HISC Funds (SUM)

5,230,298

Total Anticipated Non-HISC Funds (SUM)

Request (x)



Resources WG Recommendations

Rank	Project Description	Agency, Division	Requested Amount	Recommended Amount
1	Coordinating Group on Alien Pest Species	UH PCSU, Coordinating Group on Alien Pest Species	\$ 49,000	\$ 40,000
2	Hawaii Ant Lab core funds	UH PCSU, Hawaii Ant Lab	\$ 284,592	\$ 208,000
3	Plants of Hawaii electronic database	Bishop Museum	\$ 109,863	\$ 66,972
4	Community Engagement on the Island of Hawaii	UH PCSU, Big Island Invasive Species Committee	\$ 250,231	\$ 145,909
5	OISC Control & Eradication of High Priority Invasive Species	UH PCSU, Oahu Invasive Species Committee	\$ 836,889	\$ 592,339
6	Rapid Ohia Death Detection and Response on Hawaii Island	UH PCSU, Big Island Invasive Species Committee	\$ 144,557	\$ 130,000
7	Coqui Frog Control and Monitoring Program on Maui	UH PCSU, Maui Invasive Species Committee	\$ 221,858	\$ 123,484
8	Detection and Control of Invasive Species on Hawaii Island	UH PCSU, Big Island Invasive Species Committee	\$ 1,107,769	\$ 597,097
9	Invasive Species Outreach and Education in Maui County	UH PCSU, Maui Invasive Species Committee	\$ 193,585	\$ 103,219
10	Kauai Invasive Species Committee Early Detection and Control	UH PCSU, Kauai Invasive Species Committee	\$ 870,500	\$ 514,273

11	Continuing Mamalu Poepoe: invasive species surveillance at Hawai'i's airports	UH PCSU, Hawaii Invasive Species Council	\$ 72,450	\$ 40,000
12	Rapid Ohia Death Response	DLNR DOFAW	\$ 275,000	\$ 138,485
13	Detection and Control of Invasive Species in Maui County	UH PCSU, Maui Invasive Species Committee	\$ 1,091,289	\$ 540,355
14	Little Fire Ant Control Program for Maui	UH PCSU, Maui Invasive Species Committee	\$ 113,483	\$ 61,200
15	Biopesticides and a natural compound delivered with water-storing hydrogels for control of invasive yellow crazy ants	UH CTAHR	\$ 70,017	\$ 31,548
16	Outreach and extension for management of Rapid Ohia Death on Hawaii Island	UH CTAHR	\$ 100,870	\$ 44,113
17	Invasive Species Outreach, Education, & Community Access on O'ahu	UH PCSU, Oahu Invasive Species Committee	\$ 204,877	\$ 156,000
18	Landscape-Scale Mosquito Control - Project Coordination	UH PCSU	\$ 30,500	\$ 30,500
20	Biocontrol of Himalayan ginger	USDA Forest Service	\$ 30,800	\$ 17,876
21	Biocontrol of invasive Rubus	USDA Forest Service	\$ 50,600	\$ 26,842
23	Novel control methods for the new marine invasive green alga Avrainvillea erecta, in Oahu coastal waters	UH School of Life Sciences	\$ 41,710	\$ 15,000
27	Public Outreach and Education on Kauai	UH PCSU, Kauai Invasive Species Committee	\$ 150,000	\$ 101,255
28	Biocontrol of melastomes and other high priority invasive plants	USDA Forest Service	\$ 177,700	\$ 81,810

Rank	Project Description	Agency, Division	Request Amount	Recommended Amount
29	Natural enemies for biocontrol of albizia	USDA Forest Service	\$ 199,200	\$ 89,893
30	Mark-release-recapture studies to improve mosquito surveillance capabilities on Maui island	HDOH, Vector Control Branch Maui	\$ 4,849	\$ 3,000
32	Oahu Specific Albizia Outreach and Community Control Team Development	UH PCSU, Koolau Mountain Watershed Partnership	\$ 60,913	\$ 18,000
34	Project Information: Biological control of Schinus terebintholia: Assessment of biocontrol agents and potential impacts on Apis mellifera	HDOA, Plant Industry	\$ 108,139	\$ 42,379
36	Hawaii Ballast Water and Biofouling	DLNR DAR	\$ 205,863	\$ 86,000
37	Removal of Three Established Eabbit Colonies on Hawaii Island	UH PCSU, Big Island Invasive Species Committee	\$ 21,850	\$ 6,660
39	Incipient control of Tibouchina herbacea on Oahu	UH PCSU, Koolau Mountain Watershed Partnership	\$ 53,967	\$ 15,000
42	The Home Stretch; Waiawa Regional Albizia Eradication Year III	UH PCSU, Koolau Mountain Watershed Partnership	\$ 45,543	\$ 12,000
43	KMWP Biocontrol Blitz; Strategic Establishment of Tectococcus ovatus Biocontrol Agents Across the Ko'olau and Development of Novel UAS Deployment Techniques	UH PCSU, Koolau Mountain Watershed Partnership	\$ 65,186	\$ 17,000
46	Investigating microbial linkages within holdfast filaments of the invasive leather mudweed, Avrainvillea lacerata, in coastal O'ahu.	UH School of Life Sciences	\$ 180,118	\$ 22,000

Not recommended for funding

Rank	Project Description	Agency, Division	Requested Amount
19	Developing an early detection tool for invasive species and exploration of the endemic Hawaiian tiger cowrie as a biocontrol strategy for invasive sponges	UH HIMB	\$ 120,561
22	Documenting spatio-temporal variation in mosquito populations to further landscape-level mosquito control to protect avian and human health	DLNR DOFAW	\$ 99,128
24	Developing biological resources for the control of the Queensland Longhorned Beetle	USDA ARS, PBARC	\$ 84,700
25	Promoting monitoring strategies for invasive social Hymenoptera	UH CTAHR	\$ 53,449
26	Identities, distributions, and rat lungworm screening of invasive flatworms (Platyhelminthes) in Hawaii.	Bishop Museum, Pacific Center for Molecular Biodiversity	\$ 57,806
31	Entomopathogenic fungi in a hydrogel-based sugar bait for mosquito control	UH CTAHR	\$ 50,010
33	Chemical and Biological Control of Oriental Flower Beetle, <i>Protaetia orientalis</i>	UH CTAHR	\$ 43,296
35	Early Detection & Rapid Response for Priority Invasive Species on O'ahu	UH PCSU, Oahu Invasive Species Committee	\$ 185,873
38	Development of mongoose control technology: refining the Goodnature A18 mongoose trap	DLNR DOFAW	\$ 50,000
40	Kauai Forestry eDNA	DLNR DOFAW Kauai	\$ 372,945
41	Early control of albizia (<i>Falcata</i> <i>moluccana</i>) recruitment and restoring high value forests, also known as heritage forests	UH Lyon Arboretum	\$ 99,310
44	Investigating the impact of the non-native Caribbean Corkscrew Anenome (<i>Bartholomea annulata</i>)	DLNR DAR	\$ 94,776
45	Management of hala scale, an important invasive pest on <i>Pandanus</i> spp., and its current distribution in Hawaii	UH CTAHR	\$ 43,846
47	Dogs to sniff out invasive fruit flies and educate urban communities	UH CTAHR	\$ 7,315
48	Develop an outreach program on current invasive pest concerns on Kauai	UH CTAHR	\$ 6,820
49	At-large Cat Reduction Social Marketing Study	DLNR DOFAW	\$ 20,000
50	Data Modernization Initiative for the Tracking and Evaluation of Past, Present and Future Biological Control Releases	HDOA, Plant Industry	\$ 86,268
51	Invasive Ecology and Dispersal Behavior of American Bullfrogs in Hawaii	Hawaii Pacific University	\$ 6,363
52	Understanding the Genetic Basis of the Invasive Expansion of <i>Eleutherodactylus coqui</i> into Hawaii via Comparative Transcriptomics	DLNR DOFAW	\$ 53,542
53	Kauai Forestry Environmental Education	DLNR DOFAW Kauai	\$ 98,670

Submittal Recommendation

1. That the HISC approve the FY21 budget for HISC support and an interagency project portfolio in substantially the same form as recommended by the Resources Working Group.
2. That, should the Department of Budget and Finance release any portion of the restriction on expenditures, the HISC delegate authority to the Program Supervisor to identify best uses of released funds.



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