



HISC Meeting Agenda – August 17, 2022

- Call to Order
- Introductions of voting Council members & legislative representatives
- Approval of minutes from August 30, 2021
- Submittal: Requesting approval of the recommended HISC budget for Fiscal Year 2023
- Public Comments
- Adjournment



Reminders

- This meeting is to approve the recommended FY23 HISC budget
- Council members, legislative representatives, and Resources Working Group
 members that are participating virtually will be attending through Zoom. A link was
 sent to those individuals prior to the meeting.
- Members of the public that requested oral testimony should have received the Zoom link but will remain muted until the public comments section
- The meeting is livestreaming on the HISC YouTube channel



Hawai'i Invasive Species Council Meeting

Submittal to Approve the Recommended FY23 HISC Budget Wednesday, August 17, 2022

Presented by Resources Working Group Chair, Justine Nihipali (DBEDT) & HISC Coordinator, Chelsea Arnott (DLNR)

In-person Attendees at the DLNR Board Room located in the Kalanimoku Building Honolulu, HI Virtual Attendees live via Zoom link and public attendance through HISC YouTube



Background

- The Hawai'i Invasive Species Council was established by State Statute (HRS 194) in 2003 with the purpose of
 - Filling gaps between agency mandates or existing agency programs, and/or
 - Advance our collective knowledge through research and development of new tools and technology.
- The HISC receives funding from the State Legislature each year that supports interagency invasive species projects and programs.
 - Funds are disbursed via an intergovernmental granting process where state, county, and federal agencies may submit requests for funding that are evaluated by the HISC Resources Working Group who develops the recommended budget to be approved by the Council.



Members of the HISC Resources Working Group

Members were designated by the Council and represent each of the Council departments as well as HISC Support Staff

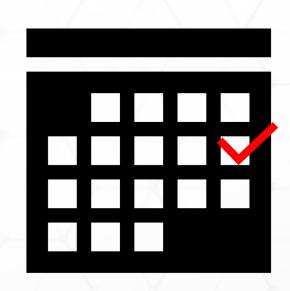
- Justine Nihipali, Chair (DBEDT)
- Tomo Murata (HDOT)
- Darcy Oishi (HDOA)
- Janis Matsunaga (HDOA)
- Mike Melzer (UH)
- Christy Martin (UH)

- Grace Simmons (HDOH)
- Robert Hauff (DLNR-DOFAW)
- Kim Fuller (DLNR-DAR)
- Lizzy Monaghan (DLNR-DAR)
- Leyla Kaufman (HISC Support)
- Chelsea Arnott (HISC Support)



FY23 HISC Funding Timeline

- APPLICATIONS
 - Call for Proposals May 2nd
 - Informational Webinar May 4th
 - Deadline for applications 5:00 pm (HST), June 3rd
- EVALUATIONS
 - Evaluations begin June 13th
 - Deadline for evaluations July 15th
- RESOURCES WORKING GROUP July 28th
- COUNCIL MEETING August 17th 1 PM





Drafting a Recommended Budget

- Members of the Resources Working Group evaluate applications
- Final application scores are entered into RWG spreadsheet
- Applications are ranked lowest to highest scoring
- Formula in spreadsheet generates a recommended award amount based on score, requested amount, and total available funding to create a balanced budget
- RWG meeting to produce final recommendation based on discussion
- Structured primarily as a discussion among members
 - Applicants are invited to attend for transparency about the process and discussion
- Council reviews budget for approval



Scoring Applications

- Members of RWG scored applications based on the proposed project's ability to address the 5 funding priorities outlined in the HISC/CGAPS 2025 Joint Strategy (45 points possible)
- Additional points determined by HISC Support Staff on relevance to sectors – Agriculture, Natural Resources, Transportation, Human Health, Economy, Research (6 points possible)
- Leveraged funding score based on what was provided in the application (6 points possible)
- Total points possible **57**



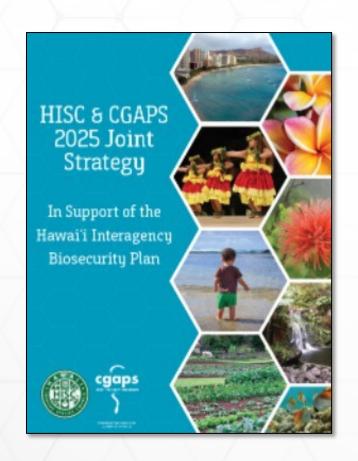
Background on Funding Priorities

- The Hawai'i Invasive Species Council (HISC) provides interagency coordination and direction on invasive species issues in Hawai'i. Each year, the State Legislature provides funding through the HISC to support projects and programs that:
 - fill gaps between agency mandates and existing programs, and/or
 - advance our collective knowledge and tools through research and innovation.





FY23 Funding Priorities



Prevention & Early Detection/Rapid Response for New Terrestrial & Aquatic Invasions

Management of the Inter/Intra-Island Movement of Invasive Species (both aquatic & terrestrial)

Implementation Large-Scale Control of Widespread, High-Impact Invasive Species (does not include classical biocontrol)

Increase Pacific Regional Biocontrol Research & Capacity (classical biocontrol only)

Maintain an Engaged & Supportive Community



Changes to this year's scoring

- No additional points for the inclusion of a management plan or strategy. There is still the ability to upload any relevant documents that may be useful during the evaluation process though they are not required.
- HISC Support Staff determined each proposal's relevancy to sectors (natural resources, agriculture, economy, transportation, human health, research & technology) and assigned points accordingly for consistency and to assist with assigning proposals to evaluators. Six points total are possible.
- Proposals that scored low based on the quantitative evaluations will not be recommended FY23 HISC funding and not be part of the Resources Working Group discussion. This is a reminder that award amounts are based primarily on submitted proposals and not the discussion at the Resources Working Group meeting. The Resources Working Group meeting is a forum for evaluators to ask applicants for clarification on their application and come to a consensus on a recommended budget.

Proposal #	Proposal Title	Program	F	Requested
1	Development of mongoose control technology: refining the Goodnature A18 mongoose trap	DOFAW	\$	50,000.00
2	Outcross and maintain incompatible Aedes aegypti and Aedes albopictus mosquitoes	DOFAW/DO HVC	\$	75,607.33
3	<u>Detection and Management Strategies for the Control of</u> <u>Prosapia bicincta (Twolined Spittlebug) in Hawaii</u>	UHCTAHR	\$	459,408.00
4	Invasion ecology of Arcte coerula (Lepidoptera, Noctuidae), a New Pest of Māmaki and other nettles in Hawai'i.	UHCTAHR	\$	71,812.00
5	Evaluating the use of steam as a non-chemical means to control common and invasive weeds in urban areas in Hawaii	UHCTAHR	\$	33,530.82
6	Acoustic early detection of coqui using low-cost audio devices	UHCTAHR	\$	43,212.00
7	Tibouchina Control and T. Ovatus Disbursal in the Ko'olau	KMWP	\$	91,676.00
8	Albizia Community Control Teams and Regional Eradication Efforts in the Ko'olau	KMWP	\$	245,046.00
9	East Oahu Feral Goat Control and Surveys	KMWP	\$	24,975.00
10	Modeling first records to guide invasive species biosurveillance in Hawai'i	UH Life Sciences	\$	45,342.00
11	Surveillance and Monitoring for Rapid Response at an Area with Frequent Snake Reports and Recoveries	USDA Wildlife	\$	51,000.00
12	CGAPS-Filling the Gaps	CGAPS	\$	58,000.00
14	Develop and disseminate an invasive pest extension program to the Hawaii Agricultural community	UHCTAHR	\$	14,740.00
40	Expansion of management and techniques for species of highly invasive genus Avrainvillea	UH Life Sciences	\$	100,212.00
17	Priority Weed Control & Eradication Across Oahu	OISC	\$	978,336.55
18	Detection and Control of Invasive Species on Hawaii Island	BIISC	\$	625,363.00
19	How do harbors jumpstart algal invasions?	UH Life Sciences	\$	85,579.00
20	Public Outreach and Education on Kauai	KISC	\$	145,201.00
21	Biocontrol of invasive Rubus	USFS	\$	118,100.00
22	Invasive Species Outreach & Education on Oahu	OISC	\$	265,046.75
23	Engaging the Public to Protect Maui Nui from Invasive Species - MISC & MoMISC	MISC/MoMIS C	\$	249,810.00
24	Kauai Rapid Ohia Death Detection & Response	KISC	\$	89,434.00



25	Kauai Invasive Species Committee Early Detection, Rapid	KISC	\$ 808,713.00
26	Response, and Control Early Detection and Rapid Response for Oahu Invasive Species	OISC	\$ 508,916.10
27	Hawai'i's forests in your pocket: using 3D models and augmented reality to create a "Pokemon Go" experience for Hawaiian plants and animals impacted by invasive species	DOFAW	\$ 55,000.00
28	Educational film production related to invasive mosquitoes, Hawaiian birds, and incompatible insect technique	DOFAW	\$ 40,000.00
29	Survey of potential biological control agents of hala scale in its native range	UH CTAHR	\$ 34,264.00
30	Hawaii Ballast Water and Biofouling	DAR	\$ 85,241.00
31	Birds, Not Mosquitoes Outreach Kits	KFBRP	\$ 14,000.00
32	Community Engagement and Invasive Species Education on Hawai'i Island	BIISC	\$ 363,426.00
33	Island Wide Survey and Development of a Rapid Assessment Protocol of Invasive Macroalgae on Oʻahu	UH Life Sciences	\$ 26,910.00
34	Outreach and Extension for Rapid Ohia Death	UH CTAHR	\$ 42,474.00
35	Natural enemies for biocontrol of albizia	USFS	\$ 237,000.00
36	Mitigating invasive species impacts to the environment, economy, and human health on Hawai'i Island	BIISC	\$ 422,015.00
37	Detection and Control of Invasive Species in Maui County - MISC & MoMISC	MISC	\$ 1,505,434.00
38	Biocontrol of melastomes and other high priority invasive plants	USFS	\$ 182,000.00
	Total		\$8,246,825



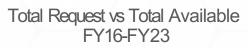
FY23 HISC Funding

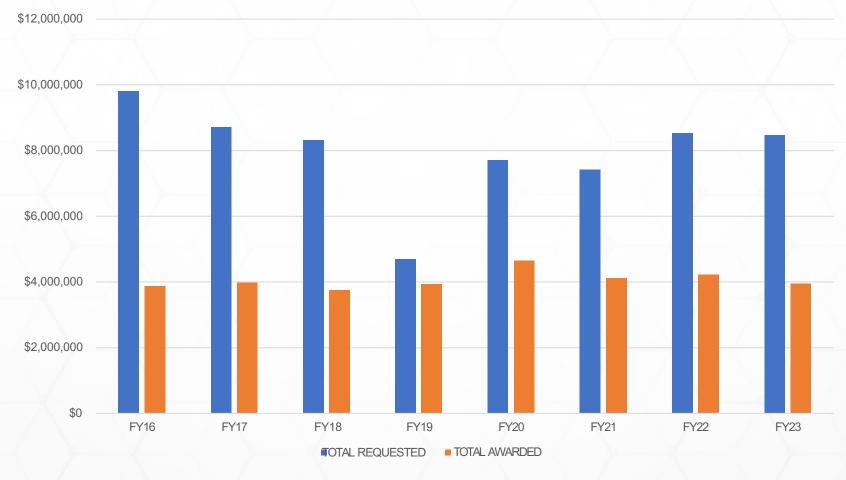
Total Requested (n=37)	\$8,246,824.55
Appropriation (\$5.75m, \$1.5M)	\$6,750,000.00
20% Cut to LNR402	\$1,498,882.75
After Restriction (7%) & DOFAW Overhead (7%)	<mark>\$4,461,468</mark>
HISC Support, HBIN, WRA, HAL	\$630,597.72
Total Available	\$3,830,870.37

FY22 HISC Funding

Total Requests	\$9,127,749
Appropriation	\$5,750,000
After Restriction & DOFAW Overhead	\$4,711,855
HISC Support, IS Coordinator, HBIN, WRA	\$579,756
Total Available	\$4,132,099









Questions from Council or Legislative members before presenting the recommended FY23 HISC Budget?



Not Recommended Funding for FY23

Overall Rank	Application Title	Program	Total Requested	RWG Recommended Award Amount
36	East Oahu Feral Goat Control and Surveys	KMWP	\$ 24,975.00	\$0.00
35	Evaluating the use of steam as a non-chemical means to control common and invasive weeds in urban areas in Hawaii	UH CTAHR	\$ 33,530.82	\$0.00
34	Birds, Not Mosquitoes Outreach Kits	KFBRP	\$ 14,000.00	\$0.00
33	Hawai'i's forests in your pocket: using 3D models and augmented reality to create a "Pokemon Go" experience for Hawaiian plants and animals impacted by invasive species	DOFAW	\$ 55,000.00	\$0.00
32	Survey of potential biological control agents of hala scale in its native range	UH CTAHR	\$ 34,264.00	\$0.00
31	Develop and disseminate an invasive pest extension program to the Hawaii Agricultural community	UH CTAHR	\$ 14,740.00	\$0.00
27	Modeling first records to guide invasive species biosurveillance in Hawai'i	UH Life Sciences	\$ 45,342.00	\$0.00
9	Surveillance and Monitoring for Rapid Response at an Area with Frequent Snake Reports and Recoveries	USDA Wildlife	\$ 51,000.00	\$0.00



Recommended Project Awards

Overall Rank	Annlication Title		Total Requested	RWG Recommended Award Amount	
30	Invasion ecology of Arcte coerula (Lepidoptera, Noctuidae), a New Pest of Māmaki and other nettles in Hawai'i.	UH CTAHR	\$ 71,812.00	\$ 16,726.93	
29	Development of mongoose control technology: refining the Goodnature A18 mongoose trap	DOFAW	\$ 50,000.00	\$ 25,000.00	
28	Natural enemies for biocontrol of albizia	USFS	\$ 237,000.00	\$ 102,910.00	
26	Acoustic early detection of coqui using low-cost audio devices	UH CTAHR	\$ 43,212.00	\$ 12,502.64	
25	Biocontrol of invasive Rubus	USFS	\$ 118,100.00	\$ 37,657.28	
24	Biocontrol of melastomes and other high priority invasive plants	USFS	\$ 182,000.00	\$ 61,032.63	
23	How do harbors jumpstart algal invasions?	UH Life Sciences	\$ 85,579.00	\$ 30,244.64	
22	Detection and Management Strategies for the Control of Prosapia bicincta (Twolined Spittlebug) in Hawaii	UH CTAHR	\$ 459,408.00	\$ 167,700.24	



Recommended Project Awards

Overall Rank	Annlication Title		Total Requested	RWG Recommended Award Amount
21	Tibouchina Control and T. Ovatus Disbursal in the Ko'olau	KMWP	\$ 91,676.00	\$ 33,475.72
20	Island Wide Survey and Development of a Rapid Assessment Protocol of Invasive Macroalgae on Oʻahu	UH Life Sciences	\$ 26,910.00	\$ 10,015.89
19	Outreach and Extension for Rapid Ohia Death	UH CTAHR	\$ 42,474.00	\$ 23,075.00
17	Outcross and maintain incompatible Aedes aegypti and Aedes albopictus mosquitoes	DOH VC	\$ 75,607.33	\$ 48,755.00
16	Albizia Community Control Teams and Regional Eradication Efforts in the Ko'olau	KMWP	\$ 245,046.00	\$ 62,250.00
14	Expansion of management and techniques for species of highly invasive genus Avrainvillea	UH Life Sciences	\$ 100,212.00	\$ 44,158.56
13	Educational film production related to invasive mosquitoes, Hawaiian birds, and incompatible insect technique	DOFAW	\$ 40,000.00	\$ 18,481.19
5	Hawaii Ballast Water and Biofouling	DAR	\$ 85,241.00	\$ 78,000.00
/1	CGAPSFilling the Gaps	CGAPS	\$ 58,000.00	\$ 49,705.45



Recommended Programmatic Awards

Overall Rank	Annlication Title I Prog		Application Title Program		Total Requested	RWG Recommended Award Amount	
18	Kauai Rapid Ohia Death Detection & Response		\$ 89,434.00	\			
7	Kauai Invasive Species Committee Early Detection, Rapid Response, and Control	KISC	\$ 808,713.00	\$ 659,677.05			
3	Public Outreach and Education on Kauai	1	\$ 145,201.00				
15	Early Detection and Rapid Response for Oahu Invasive Species	\rightarrow	\$ 508,916.10	\leftarrow			
11	Priority Weed Control & Eradication Across Oahu	OISC	\$ 978,336.55	\$ 715,000.00			
6	Invasive Species Outreach & Education on Oahu	- X(\$ 265,046.75) 			
12	Mitigating invasive species impacts to the environment, economy, and human health on Hawai'i Island		\$ 422,015.00				
4	Detection and Control of Invasive Species on Hawaii Island	BIISC	\$ 625,363.00	\$ 809,502.00			
2	Community Engagement and Invasive Species Education on Hawai'i Island		\$ 363,426.00				
10	Engaging the Public to Protect Maui Nui from Invasive Species - MISC & MoMISC	MISC MoMISC	\$ 249,810.00	\$ 825,000.00			
8	Detection and Control of Invasive Species in Maui County - MISC & MoMISC		\$ 1,505,434.00	φ 623,000.00			



Total Recommended Awards

	To	otal Requested	T	otal Awarded
Programmatic Asks	\$	5,961,695.40	\$	3,009,179.05
Project Asks	\$	2,285,129.15	\$	821,691.18
Grand Total	\$	8,246,824.55	\$	3,830,870.23



Legal Authority

- HRS 194-2 (a): Establishes the HISC for the purpose of cabinet-level coordination and planning among state departments, federal agencies, and international and local initiatives
- HRS 194-2 (a)(4): Directs the HISC to create and implement a plan for prevention, early detection, rapid response, control, enforcement, and education



Recommendations

- 1. That the HISC approve the FY23 budget for HISC support and an interagency project portfolio provided in Attachment 1, and
- 2. That, should the Department of Budget and Finance make any changes to the restriction on expenditures, the HISC delegate authority to the HISC Support Staff to identify best way to apply additional restrictions to project funds, or to identify best uses of any released funds, and
- 3. That, if there are any changes in the scope or implementation of projects over the course of the year, the Council delegate authority to the HISC Support staff to make adjustments to project funds or reassign project funds from any project that does not proceed in a timely manner.





• HISC Meeting Agenda – August 17, 2022

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Call to Order



Introductions



Approval of minutes from August 30, 2021



Submittal: Requesting approval of the recommended HISC budget for Fiscal Year 2023

- Public Comments
- Adjournment