



Hawaii Invasive Species Council

August 17, 2016, 1:00 PM

Kalanimoku Building, Rm 132, 1151 Punchbowl St, Honolulu, 96813

AGENDA

1. Call to order
2. Introductions
3. Approval of minutes from May 31, 2016 meeting
4. Introduction of Dr. Leyla Kaufman, Project Coordinator for *Māmalu Poepoe* interagency airports monitoring project
5. Review of recommended HISC grants budget for Fiscal Year 2017
 1. Review of application and evaluation process
 2. Summary of received applications
 3. Review of budget recommended by HISC Resources Working Group
6. Submittal: Requesting approval of a recommended budget for HISC's support program and grants program in Fiscal Year 2017
7. Public Comments
8. Adjournment

Māmālu Poepoe

B.S. Agronomy: Universidad Nacional Agraria La Molina, Peru. Thesis title: “Susceptibility of *Phthorimaea operculella* to eucalyptus essential oil, lemon essence, and neem extract, alone and in mixtures with *Baculovirus phthorimaea*”.

M.S. Crop Sciences, IPM: Wageningen University, The Netherlands. Thesis title: “Comparison of flowering herbs with respect to their nectar suitability for *Plutella xylostella* and its parasitoid *Diadegma semiclausum*”.

Ph.D. Entomology: University of Hawaii at Manoa. Dissertation title: “Non-target impacts of introduced parasitoids, and validation of probabilistic risk assessment for biological control introductions”.



Māmālu Poepoe

- Sphere of Protection
- Airports comprise one of the major pathways of entry of invasive species in Hawaii
- No State program in place to monitor airport facilities for priority pest species
creation of interagency monitoring program



Māmalu Poepoe



Māmalu Poepoe

- Targets:

- Mosquitoes (*Aedes* spp., *Culex* sp, *Anopheles* spp.). Lead DOH
- Ants (*Solenopsis invicta* & *Wasmania auropunctata*). Lead DOA
- Coconut rhinoceros beetle (*Oryctes rhinoceros*). Lead DOA
- Africanized honeybees (*Apis mellifera scutellata*). Lead DOA

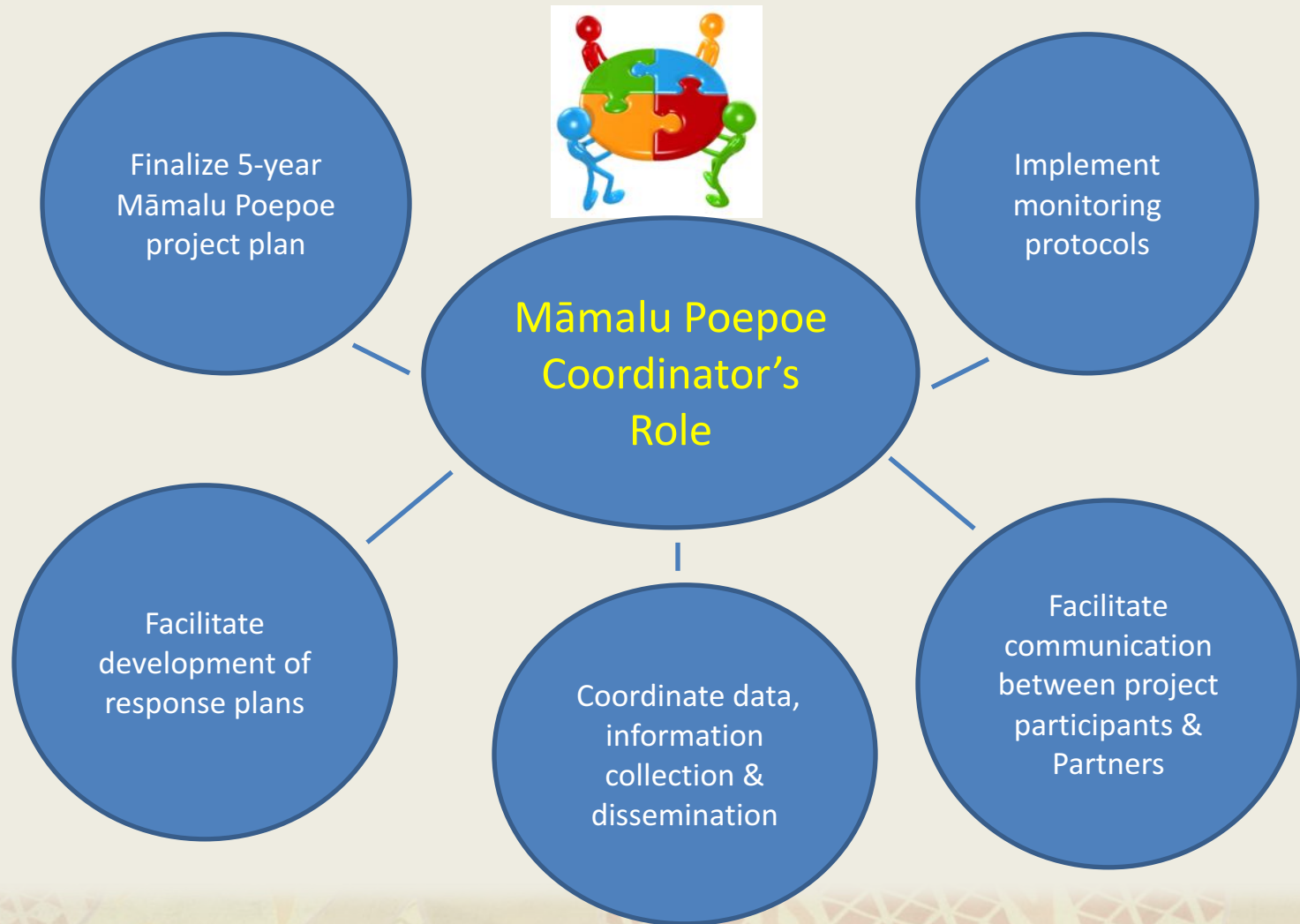


Māmālu Poepoe

- Monitoring established at main airports:
 - Honolulu International
 - Hilo International
 - Kona International
 - Kahului International
 - Molokai
 - Lihue



Māmalu Poepoe



Māmalu Poepoe

Increase
Biosecurity in the
State



HISC FY17 Budget

Department	Entity	Description	Amount
Legislature		Appropriation	\$4,750,000
B&F		5% Restriction	-\$237,500
DLNR	DOFAW	6% Overhead	-\$270,750
HISC	Support	Support program	-\$257,186
Grants			\$3,984,564



HISC Support Program

Category	Detail	Cost
Salary	Interagency Coordinator, Planner, Online Reporting Tech (.4 FTE), Programmers/admin for 643pest.org (intermittent)	\$151,111
Fringe		\$42,311
Supplies	Hardware, software	\$4,500
Utilities	Server fees, phones	\$3,400
Travel	For Program Supervisor, Int Coord, Planner, Reporting Tech	\$6,400
Other	HCA contribution	\$1,000
	Mobile app development	\$5,000
	Conference registrations, unforeseen project costs	\$11,500
PCSU and UH overhead	5% direct for PCSU, 10% indirect for UH	\$31,964
Total		\$257,186



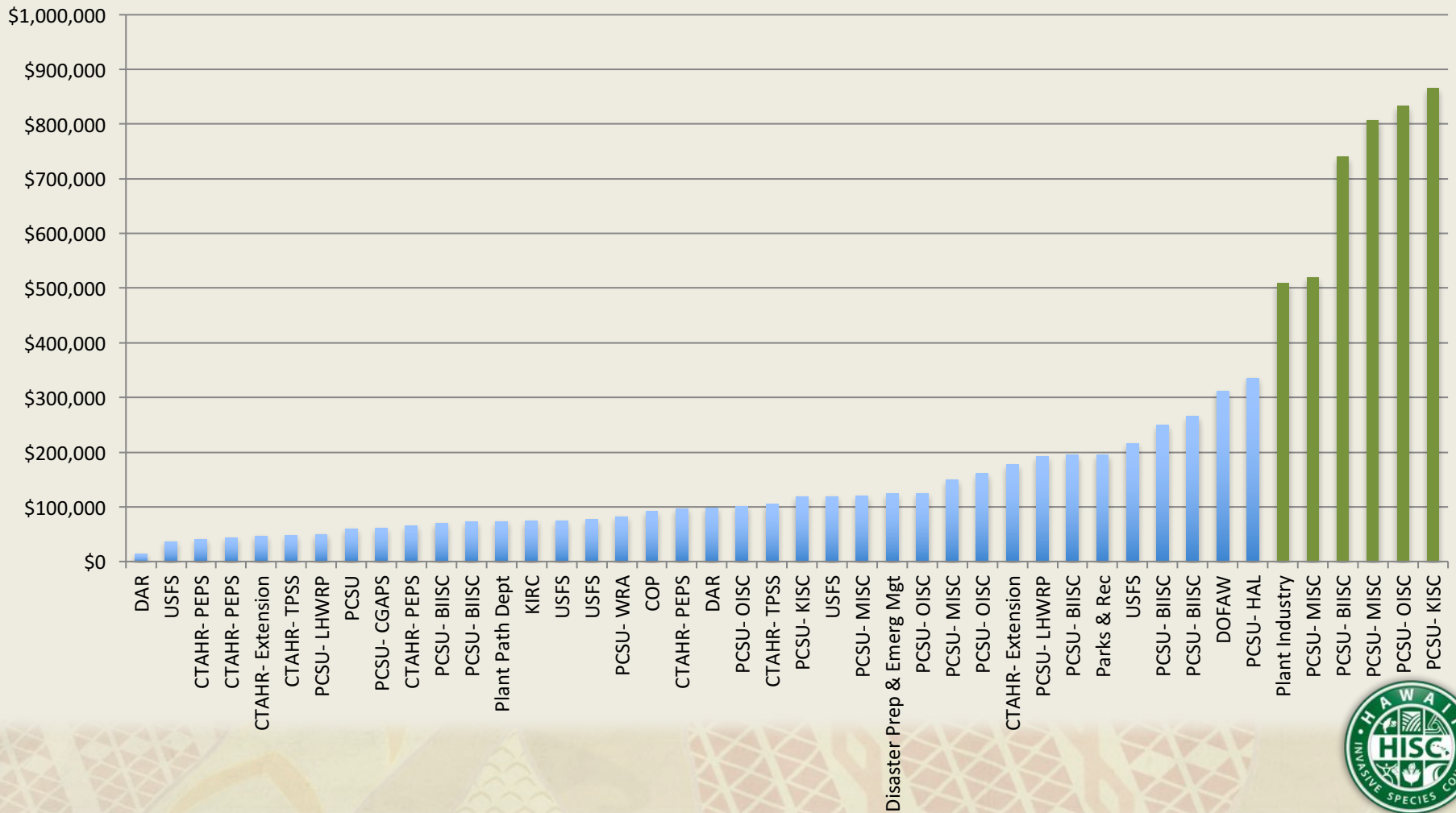
HISC FY17 Grants: Process

- Eligibility: State, federal, county entities, including UH system
- Evaluation committee: Working Group chairs, additional agency representatives
- Scoring components:
 1. % Leveraged Funding (0-10)
 2. Interagency Relevancy (1-6)
 3. Priorities Score, based on long-term priorities (HISC Strategic Plan, Regional Biosecurity Plan) and near-term priorities (HISC Working Groups)
 - 56 available priorities to address
 - Goal is to award points for both *how many* priorities an application addresses as well as *how well* it addresses those priorities
 4. Final Score = (Raw Score)/(Max Possible Score)
- Qualitative discussion via Resources Working Group meeting



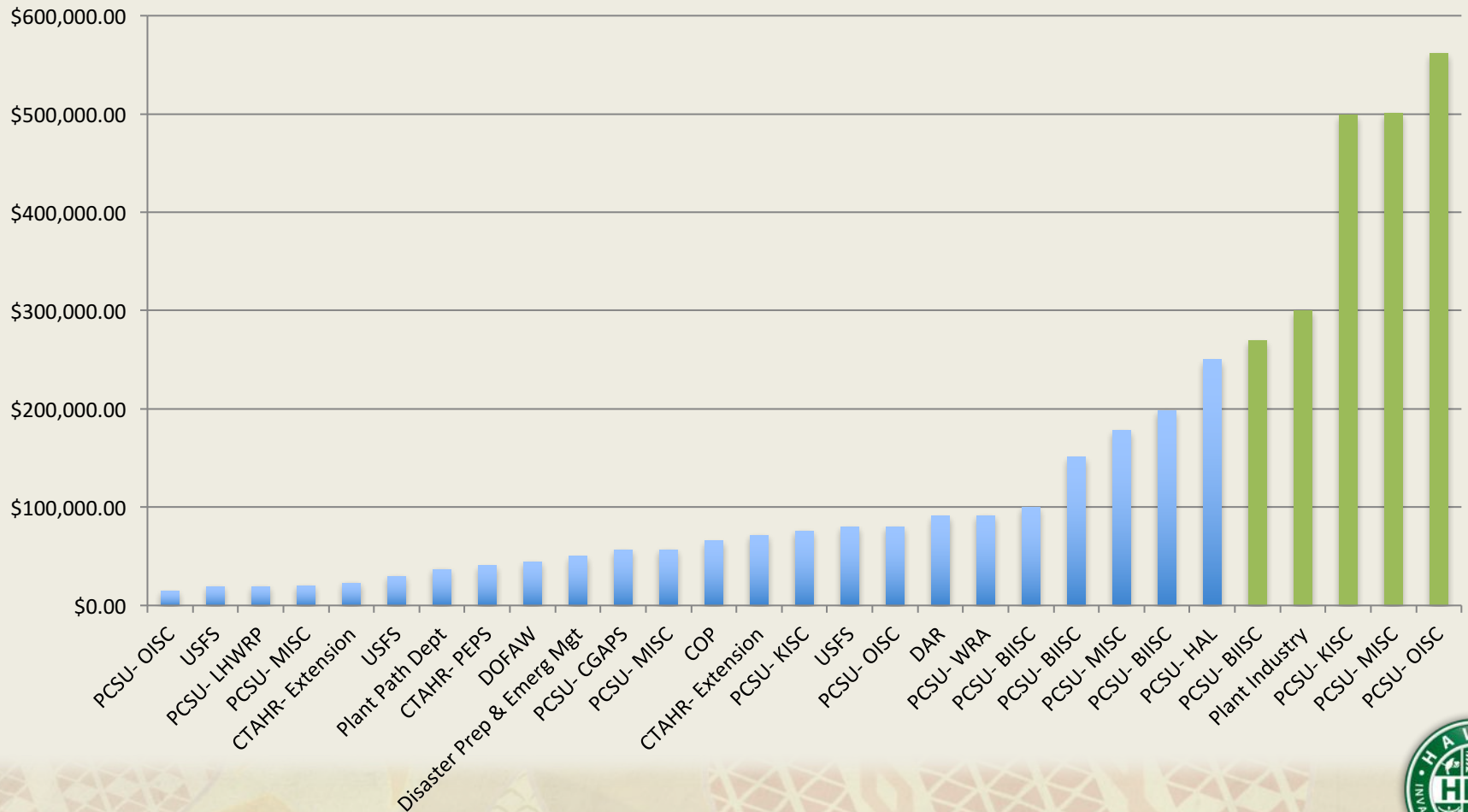
Applications Received

44 applications
\$8.8M in requests



Applications Recommended for Funding

29 applications
\$3.98M in grants



Interagency Relevancy

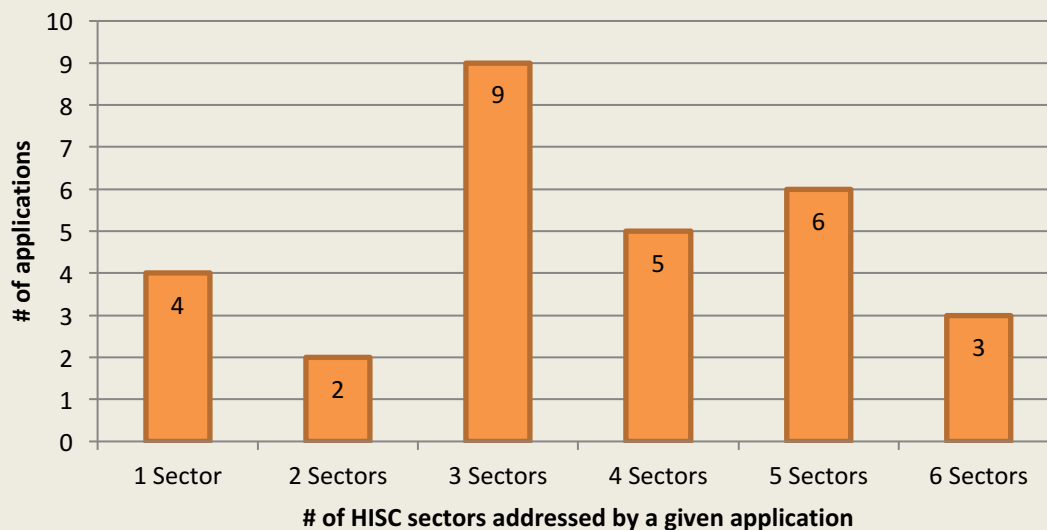
How well do the applications recommended for funding apply to HISC's mandate for **interagency** coordination?

HISC's online application form allowed applicants to describe which sectors their work is relevant to.

Relevant Sectors *

- ☐ Natural Resources
- ☐ Agriculture
- ☐ Human Health
- ☐ Economy & Tourism
- ☐ Transportation
- ☐ Research

Interagency Relevancy of Funded Applications



- The average project recommended for funding addresses between 3-4 of the 6 sectors that comprise HISC
- 23 projects address 3 or more sectors



Funding support by sector



Note that applications can support more than one sector. Thus the per-sector support figures above are not mutually exclusive. The number of applications recommended for funding that are relevant to each sector is provided in parentheses.



Recommended Budget

Dept	Division	Abbreviated Title	Request	Score	Rec. Funding
UH	PCSU- OISC	OISC Detection & Control	\$833,260.00	8.15%	\$562,000.00
UH	PCSU- MISC	MISC Detection & Control	\$807,339	18.15%	\$500,860.38
UH	PCSU- KISC	KISC Detection & Control	\$865,073	15.93%	\$499,223.80
HDOA	Plant Industry	CRB	\$509,132	18.06%	\$300,000.00
UH	PCSU- BIISC	BIISC Rapid Response	\$740,103	8.56%	\$270,000.00
UH	PCSU- HAL	Hawaii Ant Lab	\$335,967	23.86%	\$250,000.00
UH	PCSU- BIISC	BIISC Early Detection	\$249,540	21.92%	\$198,122.81
UH	PCSU- MISC	MISC Coqui Maliko	\$519,592.00	7.90%	\$178,635.00
UH	PCSU- BIISC	BIISC Outreach	\$195,252	21.39%	\$151,271.28
UH	PCSU- BIISC	BIISC Albizia	\$266,686	7.09%	\$100,000.00



Recommended Budget

Dept	Division	Abbreviated Title	Request	Score	Rec. Funding
UH	PCSU- WRA	WRA	\$92,890	11.87%	\$92,000.00
DLNR	DAR	Ballast Water - Hull Fouling	\$99,135	25.64%	\$91,000.00
USDA	USFS	Albizia Biocontrol	\$216,000	13.69%	\$80,000.00
UH	PCSU- OISC	OISC Outreach	\$125,564.00	14.48%	\$80,000.00
UH	PCSU- KISC	KISC Outreach	\$119,354	17.70%	\$76,504.59
UH	CTAHR- Extension	HBT UAV	\$177,541	11.17%	\$71,843.27
UH	COP	Rat Lungowrm Outreach	\$92,549	19.58%	\$65,635.13
UH	PCSU- MISC	MISC Outreach	\$120,305.00	13.14%	\$57,277.98
UH	PCSU- CGAPS	CGAPS	\$62,000	27.26%	\$57,000.00
UH	Disaster Prep & Emerg Mgt	Albizia Statewide Planning	\$125,147	9.67%	\$50,000.00



Recommended Budget

Dept	Division	Abbreviated Title	Request	Score	Rec. Funding
DLNR	DOFAW	Kohala ROD Surveys	\$172,650	7.15%	\$44,701.13
UH	CTAHR- PEPS	Maui Mosq Surveys	\$45,000	8.42%	\$40,908.00
Iowa St U	Plant Path Dept	ROD Genetics	\$74,273	11.72%	\$37,500.00
USDA	USFS	Melastome Biocontrol	\$78,000	10.73%	\$30,318.51
UH	CTAHR- Extension	Toxo Surveys	\$48,000	13.58%	\$23,615.94
UH	PCSU- MISC	MISC Miconia Core	\$150,525	3.84%	\$20,931.63
UH	PCSU- LHWRP	Haleakala Bocconia HBT	\$50,509	11.05%	\$20,214.75
USDA	USFS	Ginger Biocontrol	\$75,000	9.09%	\$20,000.00
UH	PCSU- OISC	OISC Cane ti	\$102,290	5.87%	\$15,000.00



Recommended Budget

Dept	Division	Abbreviated Title	Request	Score
UH	PCSU- LHWRP	Haleakala Control	\$192,218	14.53%
UH	PCSU- OISC	OISC Early Detection	\$161,465	11.21%
DLNR	KIRC	Kahoolawe Biosecurity	\$74,980	10.99%
UH	CTAHR- PEPS	CRB Genetics	\$66,101	9.69%
DLNR	DAR	AIS Harbors	\$15,000	9.40%
UH	PCSU	West Maui Albizia HBT	\$60,999	7.17%
UH	PCSU- BIISC	Photinia on Mauna Kea	\$73,343	7.09%
USDA	USFS	Rubus Biocontrol	\$120,000	6.80%
UH	CTAHR- PEPS	Oriental Flower Beetle Control	\$42,381	6.38%
UH	PCSU- BIISC	BIISC UAV research	\$70,994	5.06%
USDA	USFS	Faya Biocontrol	\$37,500	4.57%
UH	CTAHR- TPSS	Seaweed Assessment	\$104,807	4.39%
UH	CTAHR- TPSS	Native Grass for Landscaping	\$48,519	4.35%
HI County	Parks & Rec	HI County LFA	\$196,495	3.67%
UH	CTAHR- PEPS	ROD-resistant Genetics	\$97,742	2.18%



Submittal

Recommendations:

1. That the HISC approve the FY17 budget for HISC Support and grants in substantially the same form as recommended by the Resources Working Group
2. That, should the Department of Budget and Finance release the 5% restriction on expenditures, the HISC delegate authority to the Program Supervisor to work with staff from the various HISC agencies to identify best uses of released funds.





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