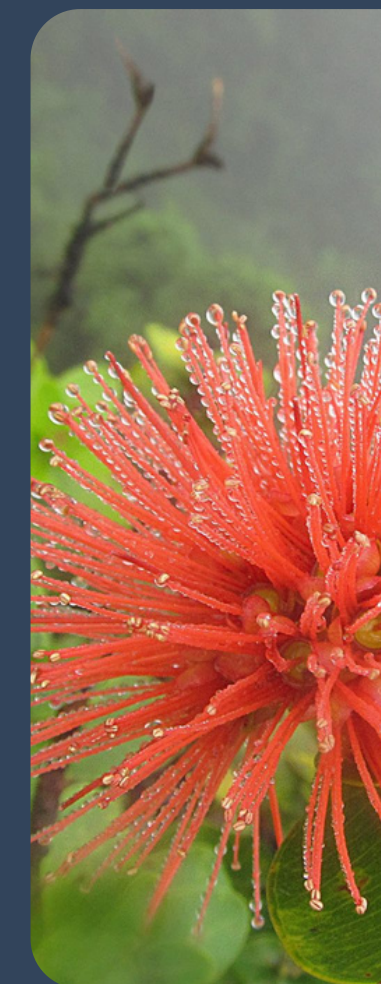


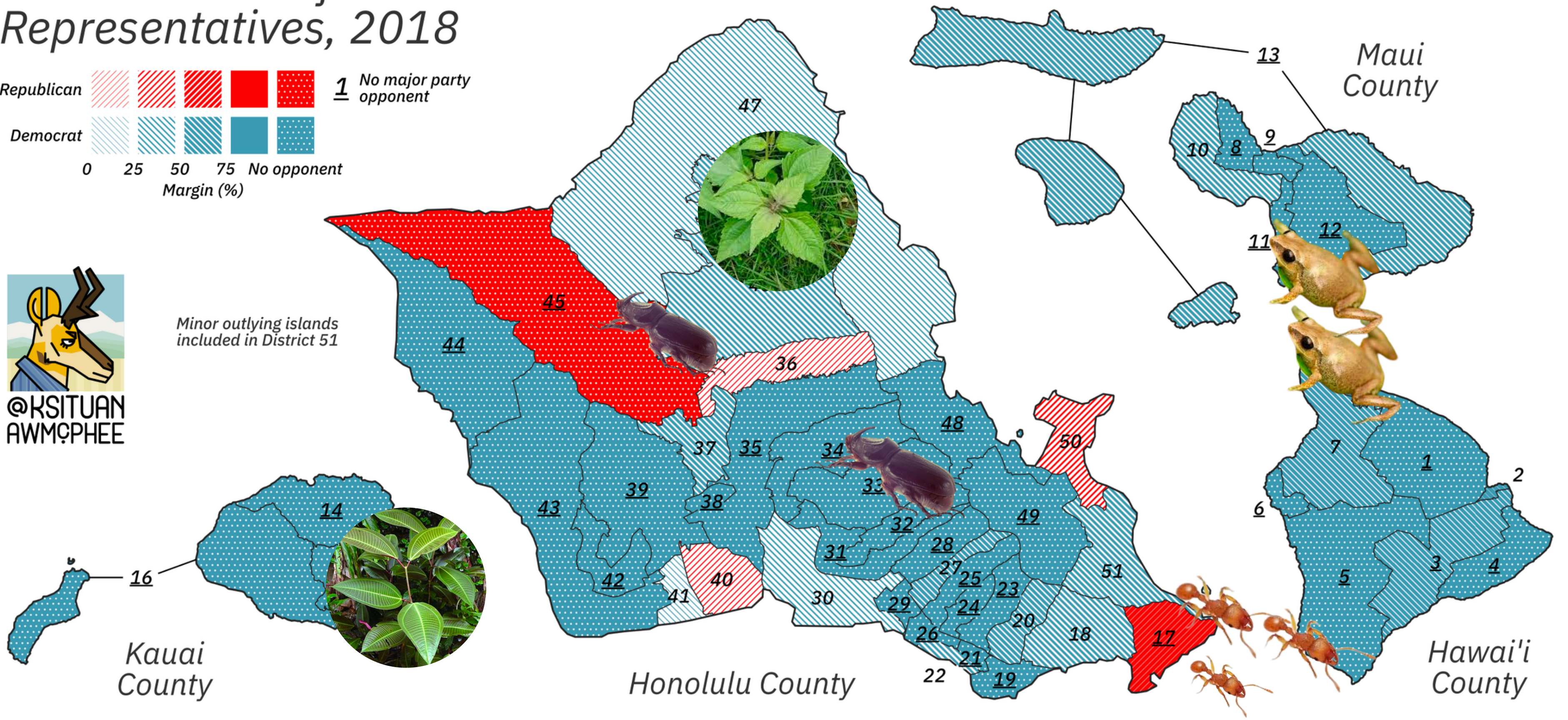
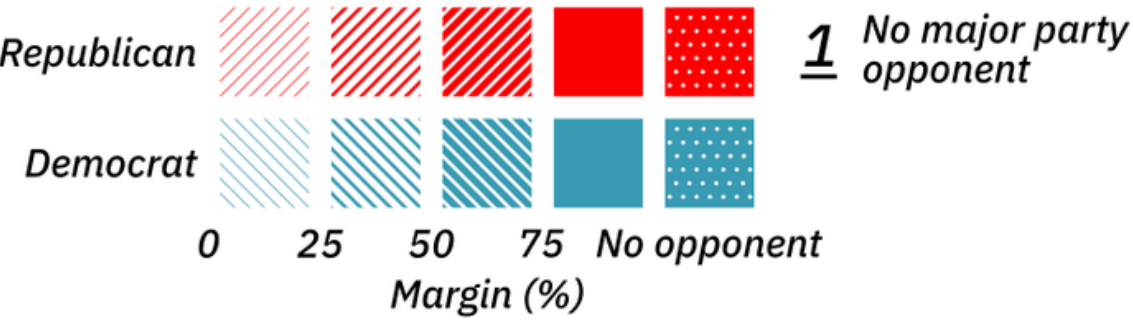
Revitalizing Action on the Hawaii Interagency Biosecurity Plan

INVASIVE SPECIES INFORMATIONAL BRIEFING
2023 LEGISLATIVE SESSION

JANUARY 26, 2023; 10:00 AM



Hawaii House of Representatives, 2018



The Need for the HIBP

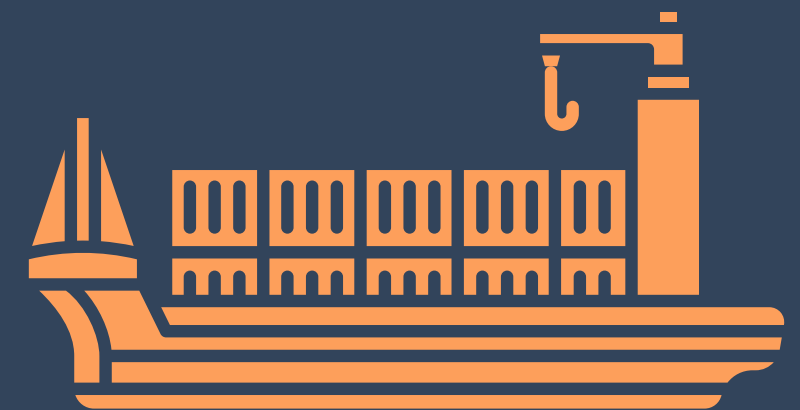
The No. 1 Driver of
Biodiversity Loss in
Island Ecosystems is
Invasive Species



Hawaii's native
species, ecosystems,
and climate differs
from the rest of the
U.S.



Hawai'i Imports 80%
of Goods and 90% of
Food



Climate Change

- SHIFTING RANGES
- ALTERED EFFICACY OF TREATMENTS
- NEW DIRECT PATHWAYS FOR SPECIES INTROS
- INCREASED "WEEDINESS"
- INCREASING ECOSYSTEM STRESS
- WORSENING DECLINES OF NATIVE SPECIES
- REDUCING CARBON SEQUESTRATION

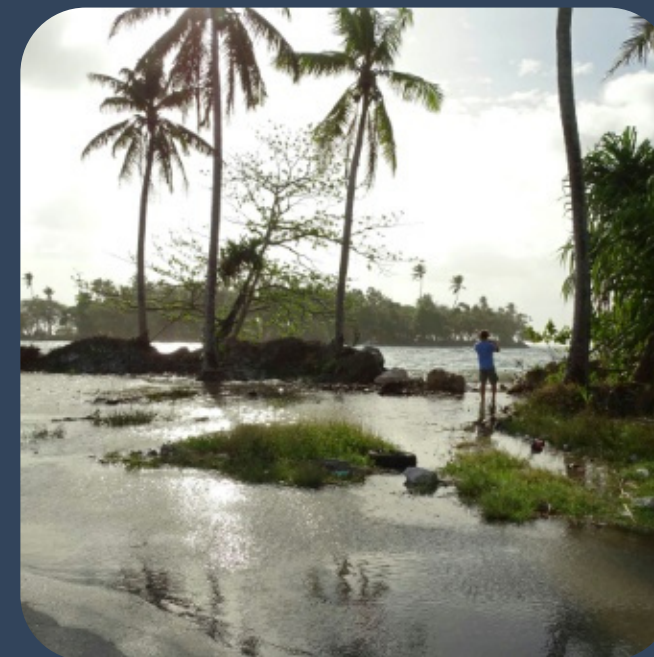
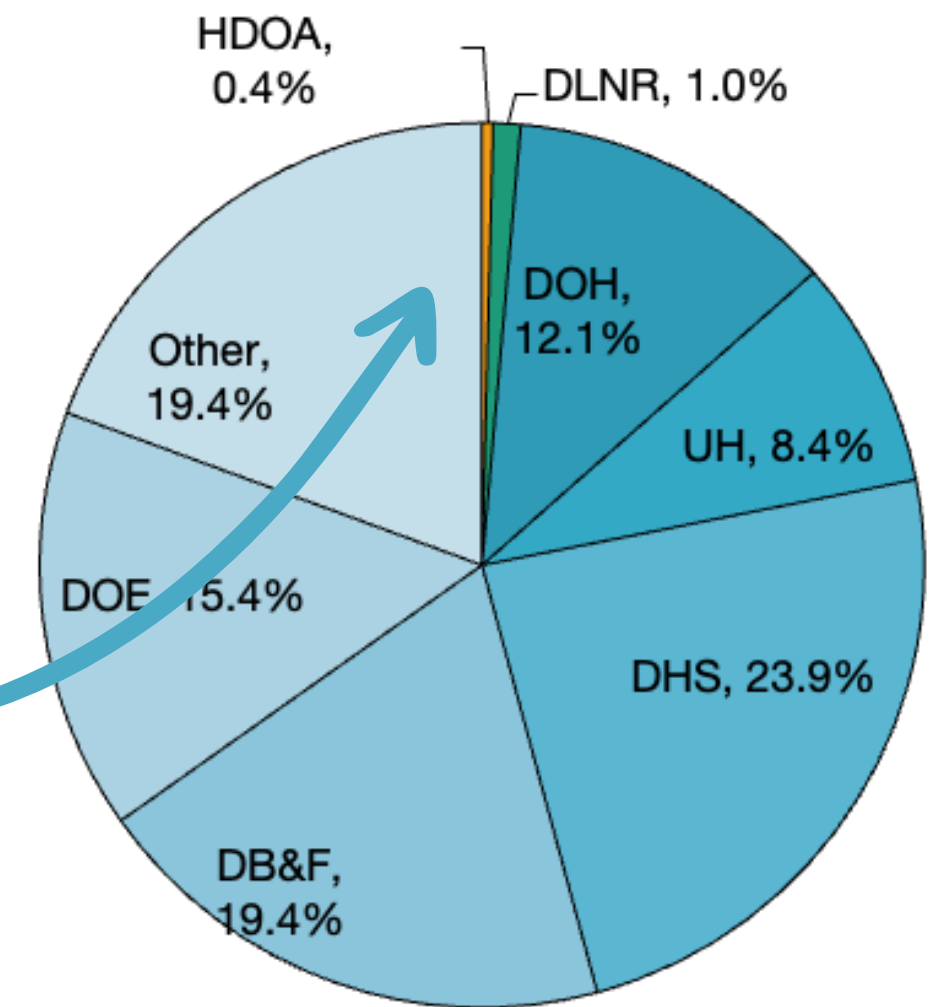


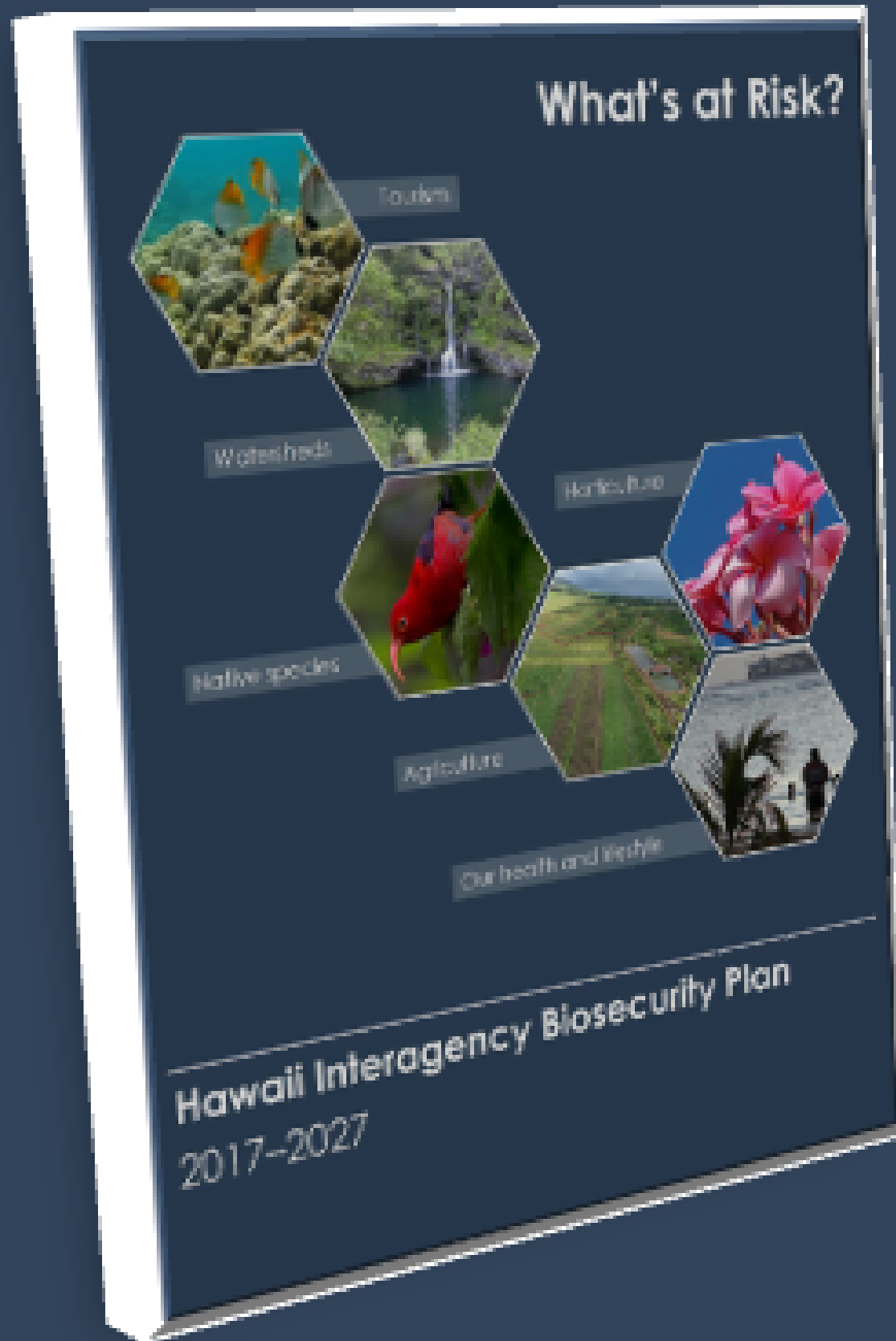
Photo credit: Top - HAVO Weed Crew (NPS), 2021 Hawaii Island Wildfire (Hawaii Tribune), Hurricane Iselle damage (Hawaii Tribune), Endangered Kiwikiu (DLNR), Cargo at seaports Canva stock image, sea level rise stock image Canva, Invasive algae covered reef (DLNR)

2017 Baseline - Known Gaps



- STAFF
 - Increase branch capacity on each island
 - Specialist positions (pathologists, entomologists, IT)
- POLICY
 - Ballast water and Biofouling
 - Inspect non-Ag commodities
- FUNDING
 - Soft funded
 - Shrinking federal grants
 - HDOA and DLNR receive 1.4% of state budget
- FACILITIES
 - Transitional facilities for inspections
 - Pacific Regional Biocontrol Facilities

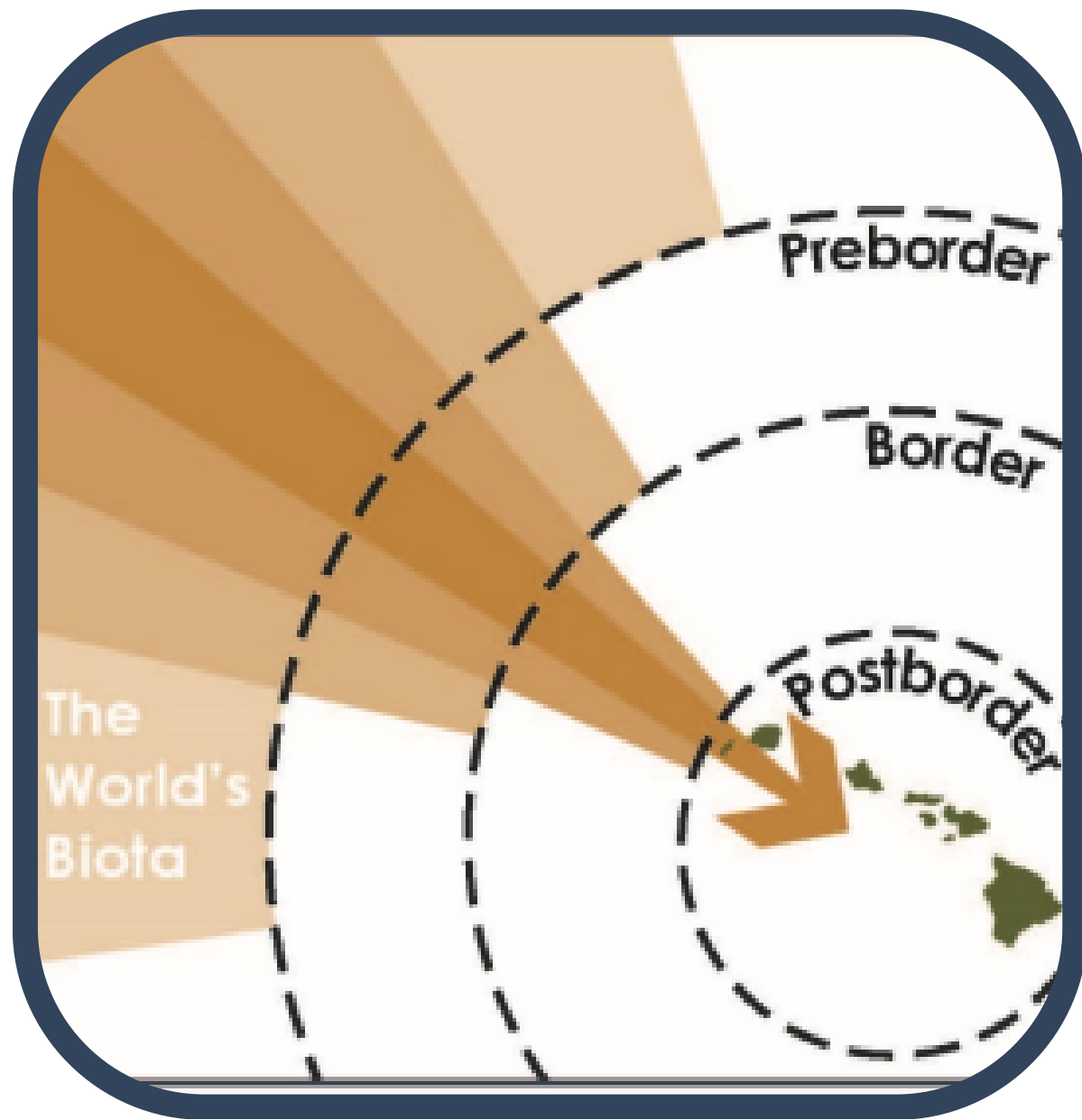




JANUARY 2017 HDOA LAUNCHES HAWAII INTERAGENCY BIOSECURITY PLAN

- Comprehensive
- Collaborative and multidisciplinary approach
- 147 action items to address gaps and weaknesses in our biosecurity system
- A 10-year path forward

HIBP - Program Areas



PreBorder

Prevent the transport of invasive species to Hawaii.

Ballast Water & Vessel Biofouling Program, Entering into cooperative agreements with other states

Border

Enhance the detection and control of pests and diseases at ports of entry.

Increase HDOA PQ Inspectors, transitional facilities for inspections

PostBorder

Protect Hawaii from invasive species already present within the State.

Regional biocontrol facilities, stable funding for critical programs

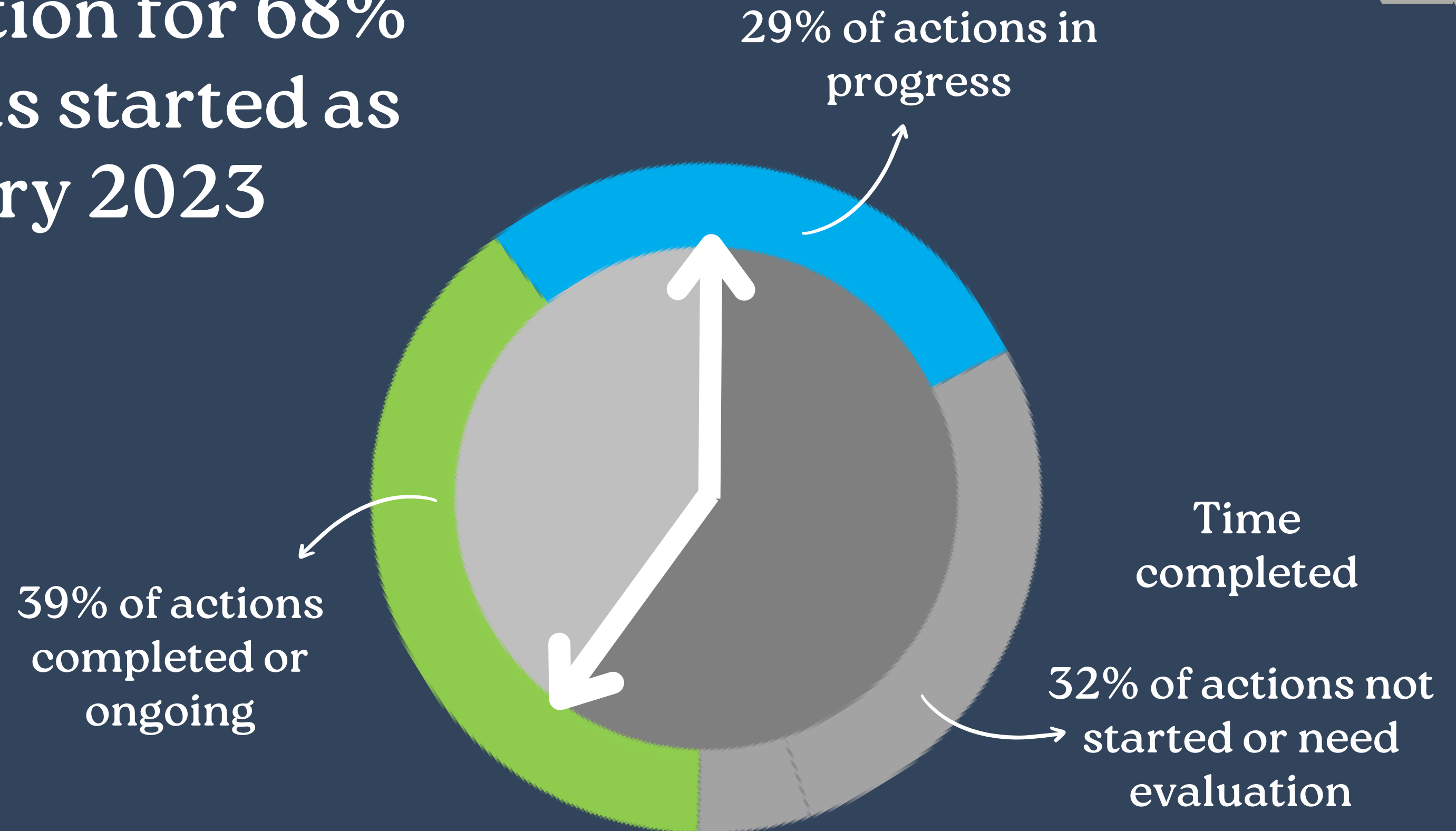
Public Awareness and Support

Enhance public awareness and support for Hawaii Biosecurity.

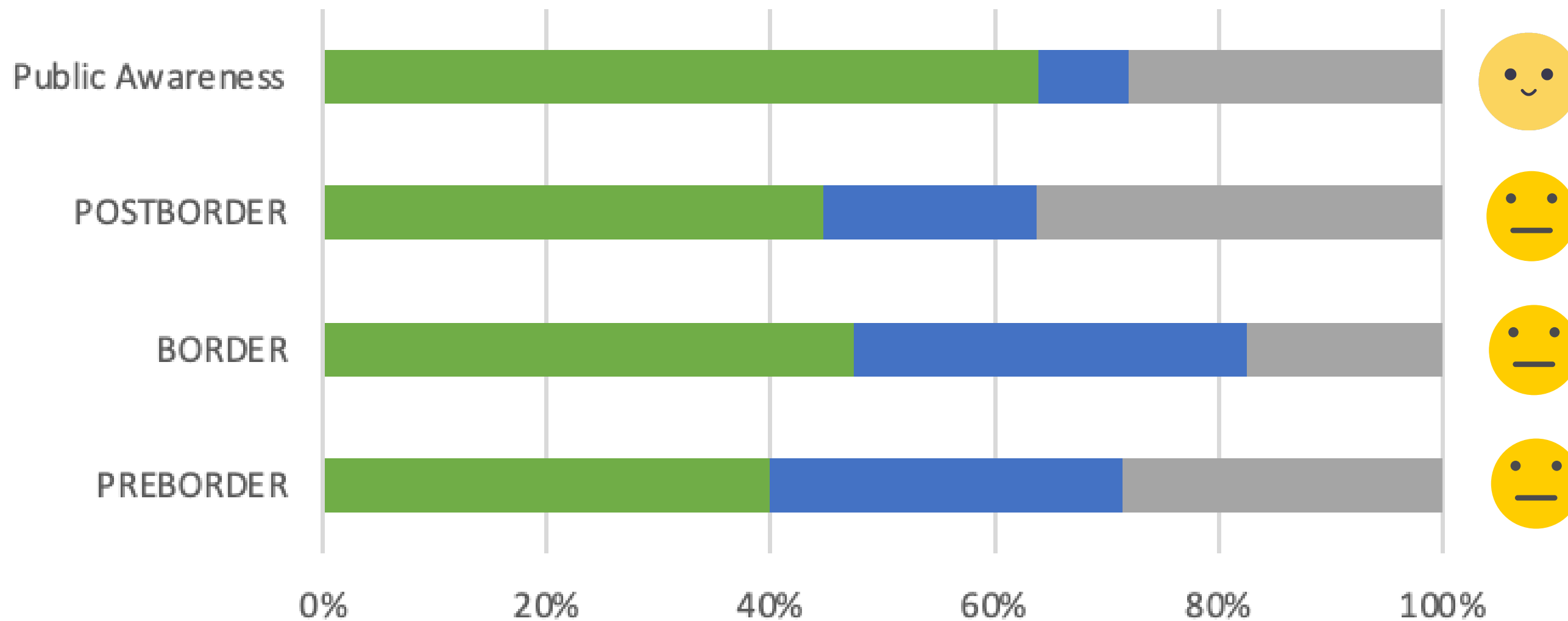
Centralized public reporting, communications on biosecurity messaging

How are we doing?

Implementation for 68%
of actions has started as
of January 2023



Progress by Area

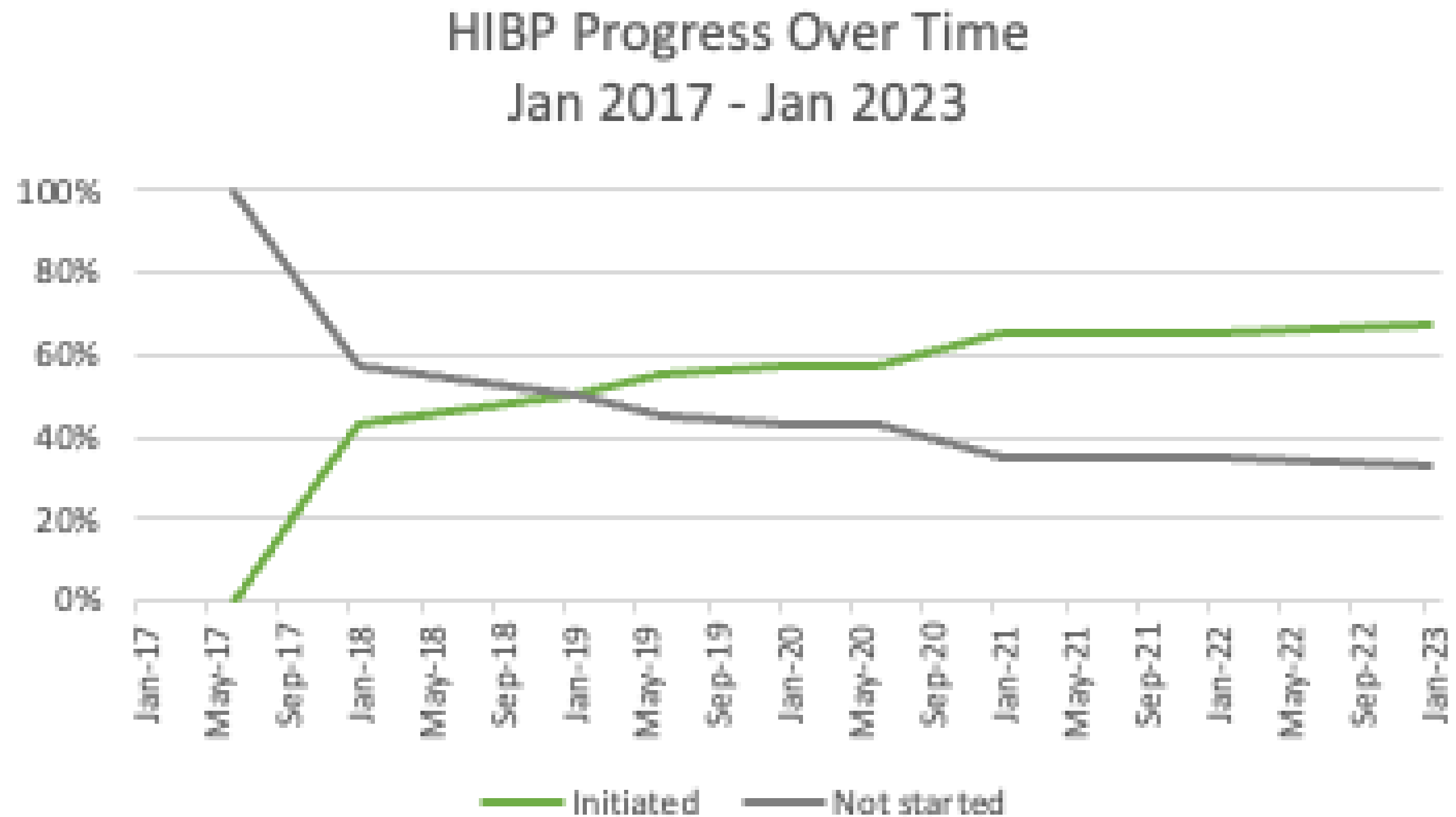


■ Completed/ongoing/Approved / Partially Approved

■ working to completion/introduced but not passed

■ not yet started/not yet introduced/needs re-evaluation/request to remove

Measuring Progress



Where we've made progress

- Increasing public awareness
- Successful management of harmful pest with natural enemies
- Reinstating critical programs
- Identifying and developing landscape level tools
- Conducting risk assessments for terrestrial and aquatic species/pathways
- Improved communications between federal and state agencies



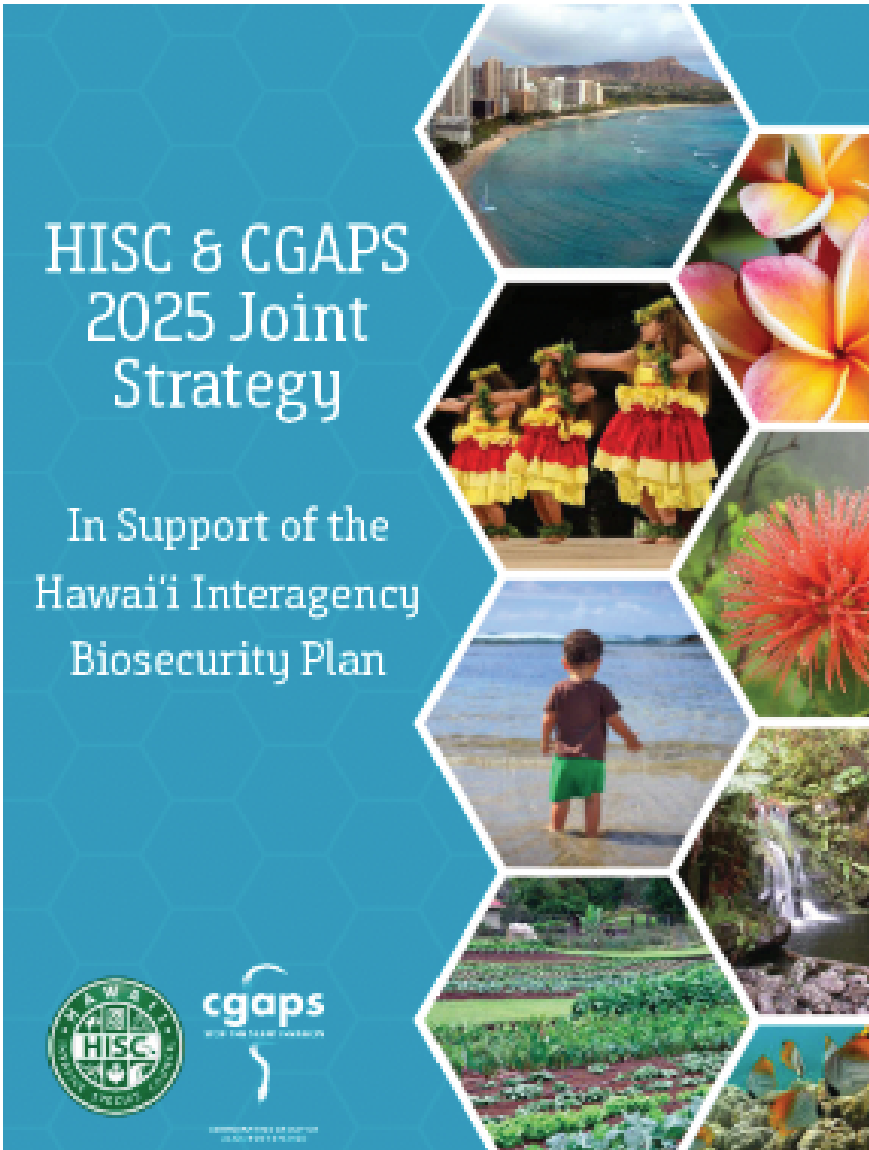
Ongoing Challenges

- **Federal Preemption**
- **Filling specialist positions**
- **Securing funding for BIGGER asks**
- **"Fast-tracking" landscape level management tools**
- **Competitive salaries for field positions**
- **Rapid or Emergency Response to new pest**

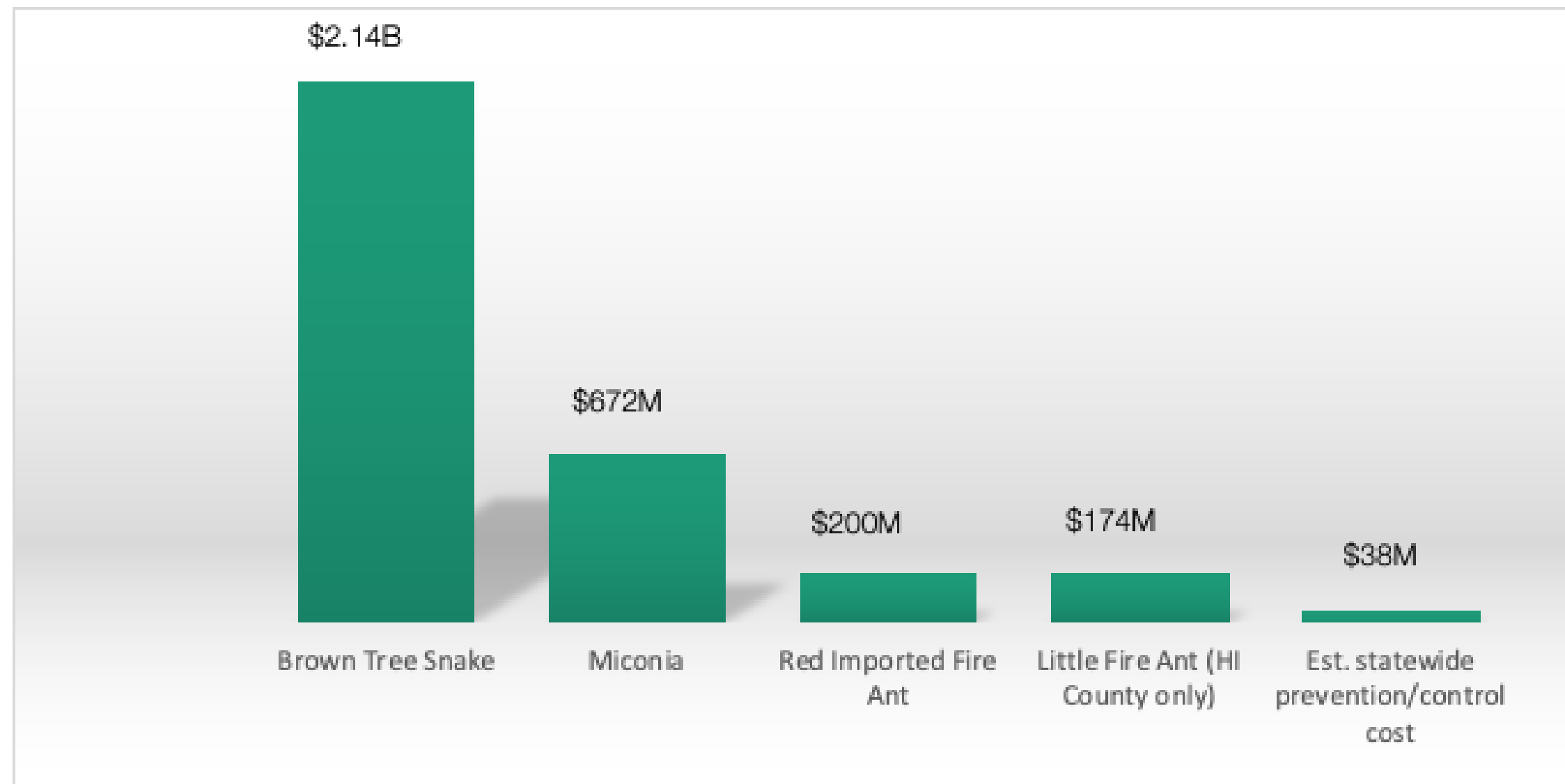


Revitalizing Action

- Leadership Commitment
- Community Engagement
- Improving Communication amongst agencies and public
- Recognize our accomplishments
- Recognize our challenges and forge ahead



The Costs of Implementation



Mahalo



CHELSEA.L.ARNOTT@HAWAII.GOV
[HTTPS://DLNR.HAWAII.GOV/HISC/](https://DLNR.HAWAII.GOV/HISC/)

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