Citizen Science: Utilizing iNaturalist to Report Aquatic Invasive Species in the State of Hawai'i







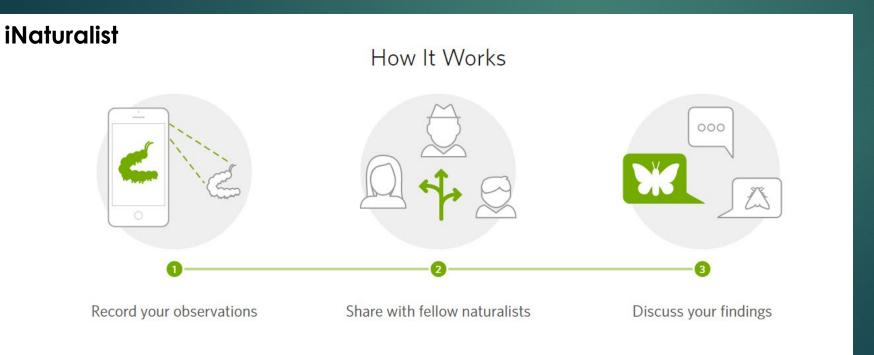


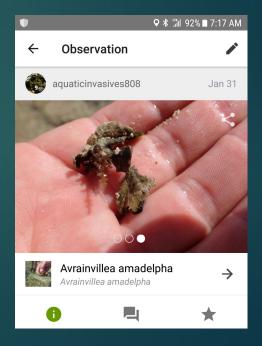


https://www.inaturalist.org/">

<u>iNaturalist</u>

- iNaturalist is an online social network of people sharing biodiversity information to help each other learn about nature
- crowdsourced species identification system
- organism occurrence recording tool
- Free to join, Free app!





iNaturalist and AIS

- Join the State of Hawaii: Aquatic Invasive Species (SH: AIS) project
- Reference our Guide for introduced species
- Snap a photo and document- make sure to add observations to our project!
- Location and distribution data helps us directly to manage AIS



State of Hawaii: Aquatic...

State of Hawaii: Aquatic Invasive Species Project

Stats Totals 234 Observations » 36 Species » People »

iNaturalist

Most Observed Species



Peacock Grouper 41 observations



Blackchin Tilapia 25 observations



Bluestriped Snapper 21 observations



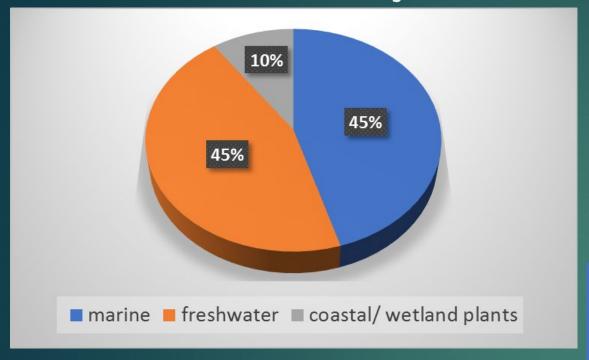
Blacktail Snapper 20 observations

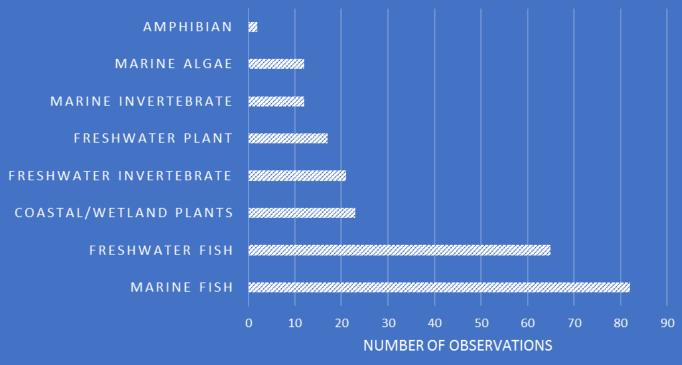


Common Water Hyacinth
15 observations

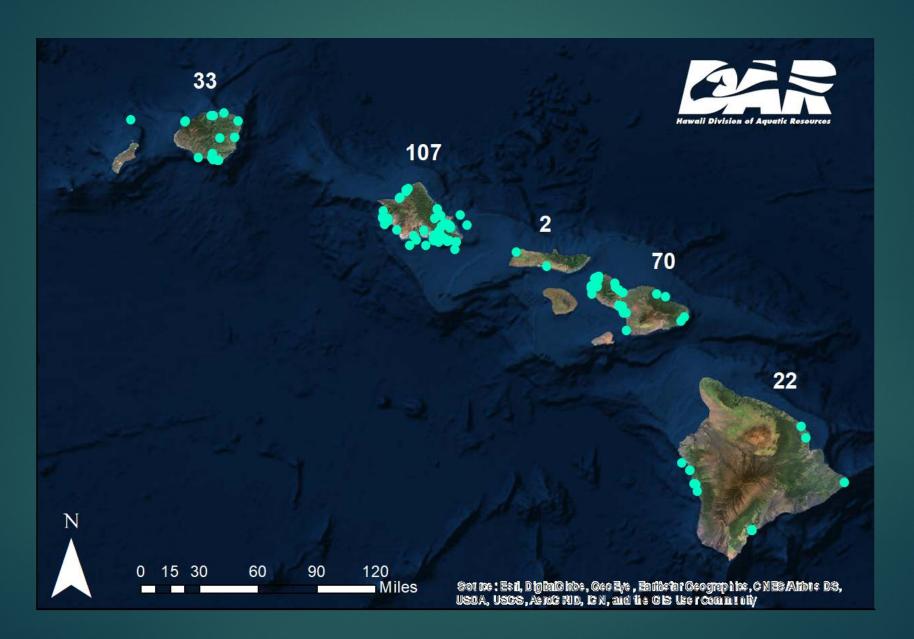
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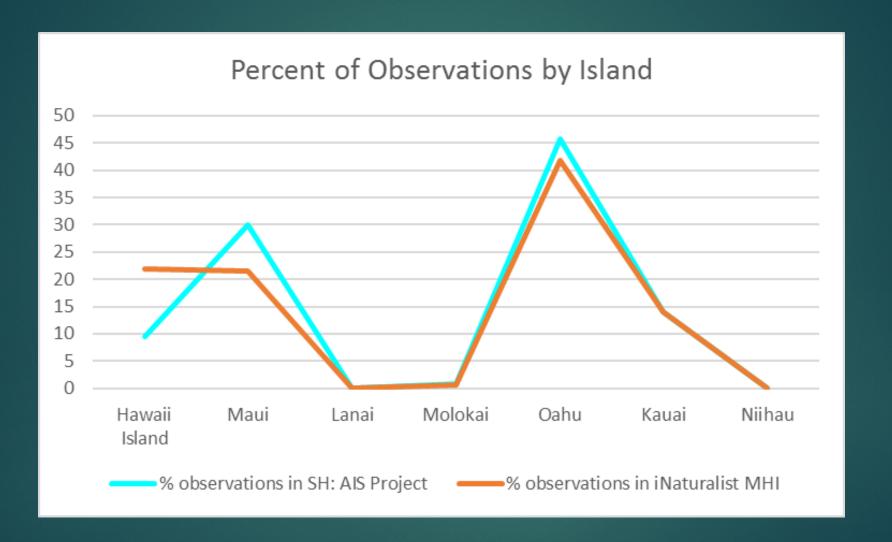
SH: AIS Project Observation Composition





Location of Observations included in SH:AIS Project



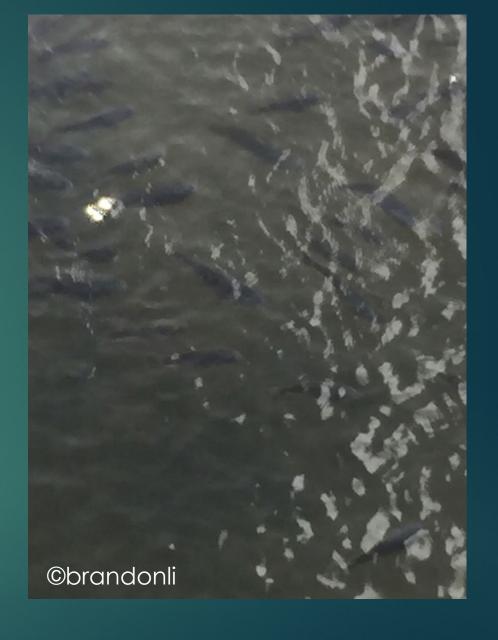


Limitations

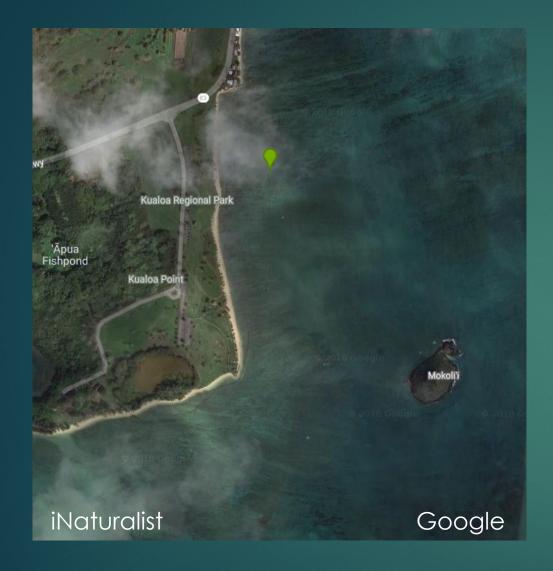
- Presence Only Data
- Sometimes unable to verify species
 - ▶ Difficult to distinguish between similar species
 - ▶ Hard to get clear photos of species in water

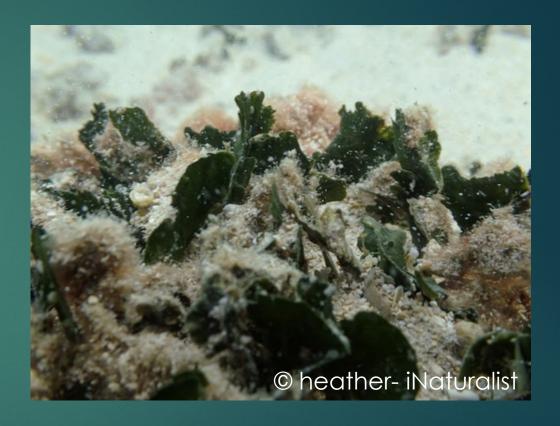






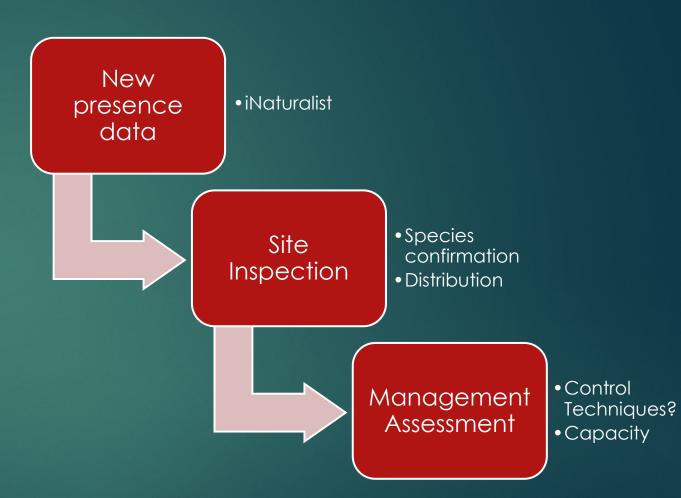
Avrainvillea sp.





MarineGeo HIMB- May 2017 iNaturalist- December 2017





Rapid Response

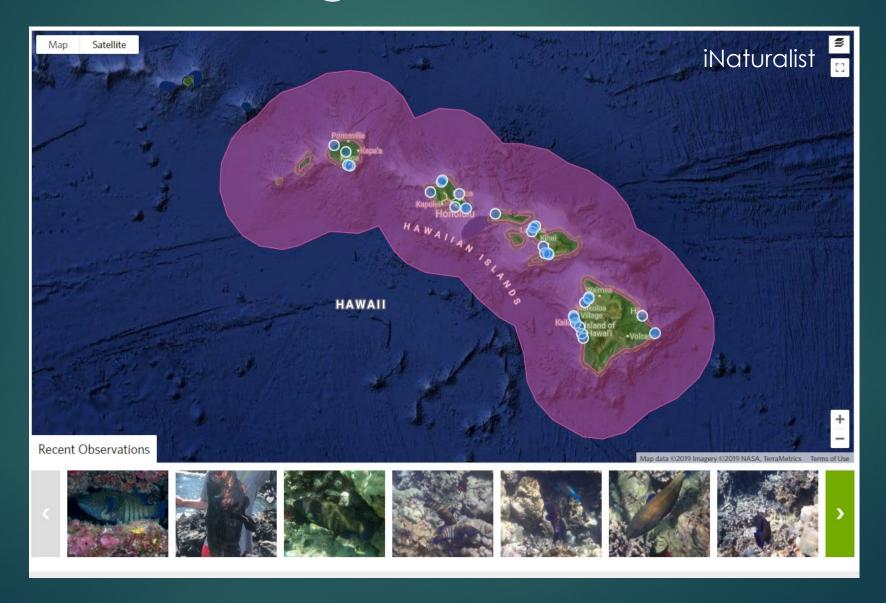
► Eyes of the Reef

▶ dar.ais@hawaii.gov



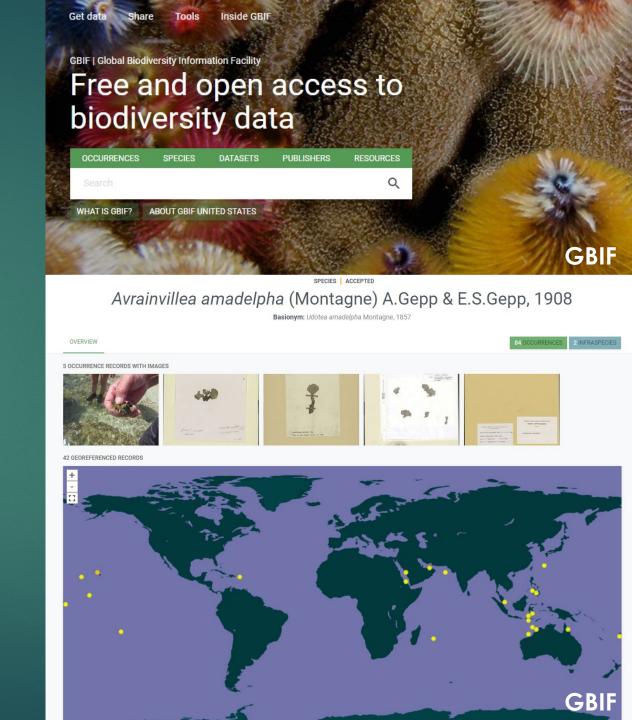


Free Data Storage



iNaturalist to GBIF

- ▶ iNaturalist shares the findings you report with scientific data repositories
- Global Biodiversity Information Facility (GBIF)
 - allows anyone, anywhere to access data about all forms of life on our planet Earth.



Mahalo, Questions?

kimberly.h.fuller@hawaii.gov