12-10-2020

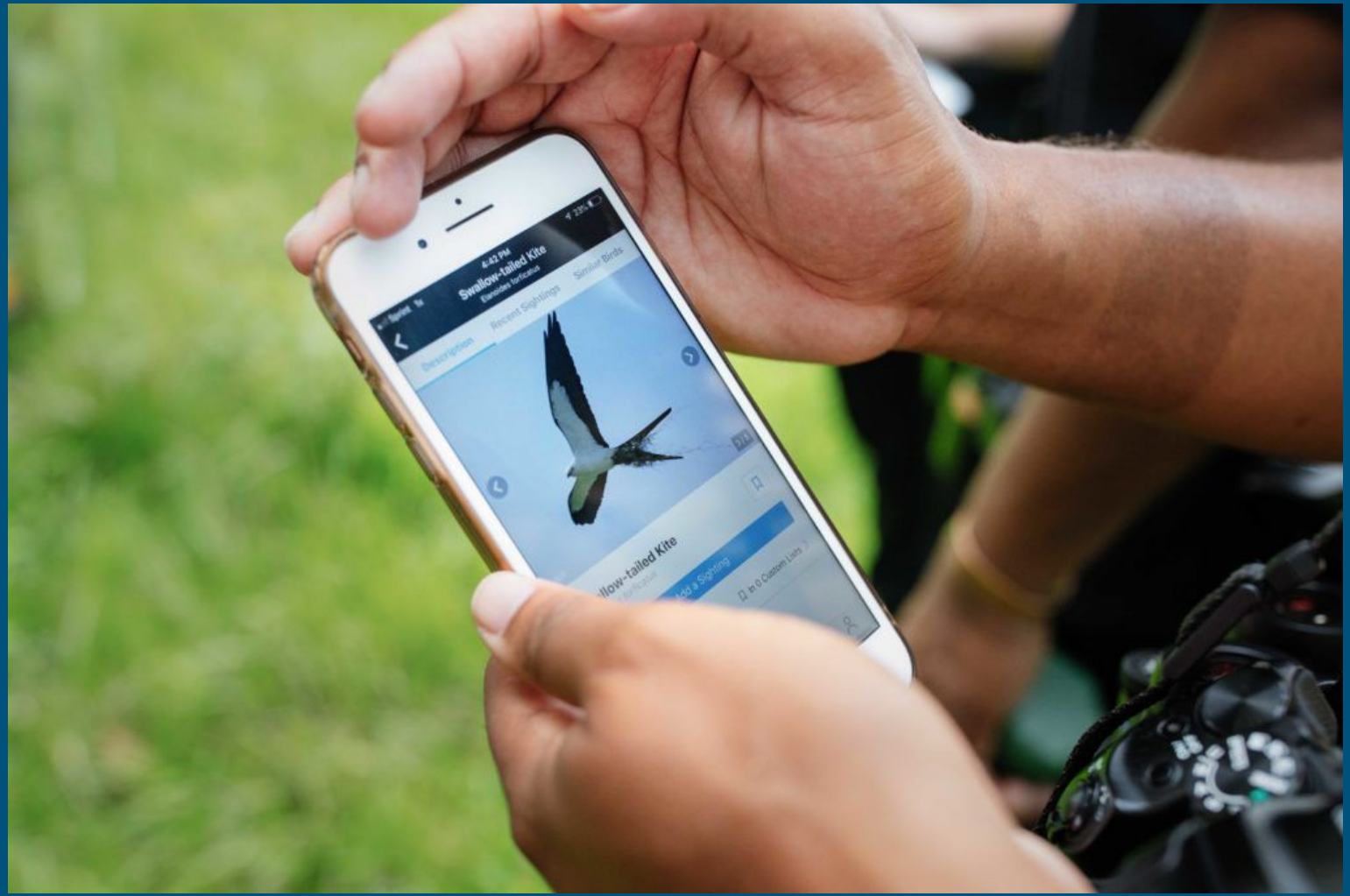
Crowdsourced Conservation

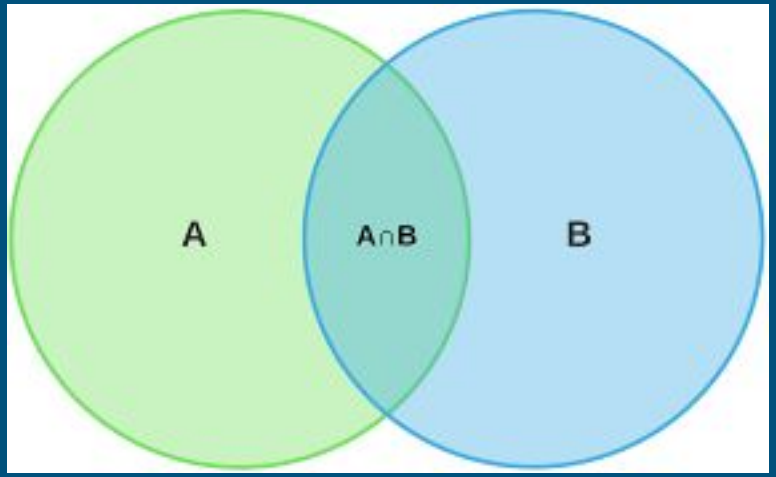
Emmy Heywood
Utah State University, emmy.heywood@growthopportunity.org

Crowdsourcing Conservation

Emmy Heywood


Dusky Grouse
Became
common

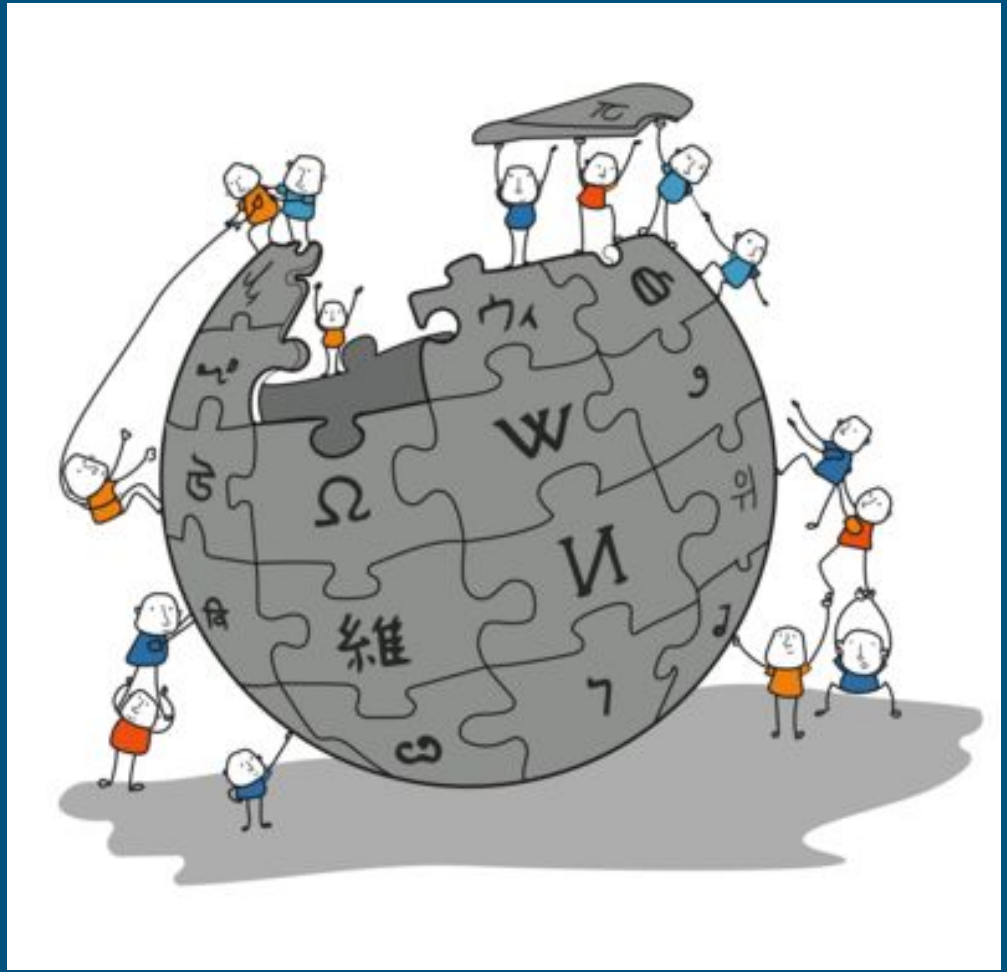

4:43 PM
Swallow-tailed Kite
Elanoides forficatus
Description
Recent Sightings
Similar Birds
Add a Sighting

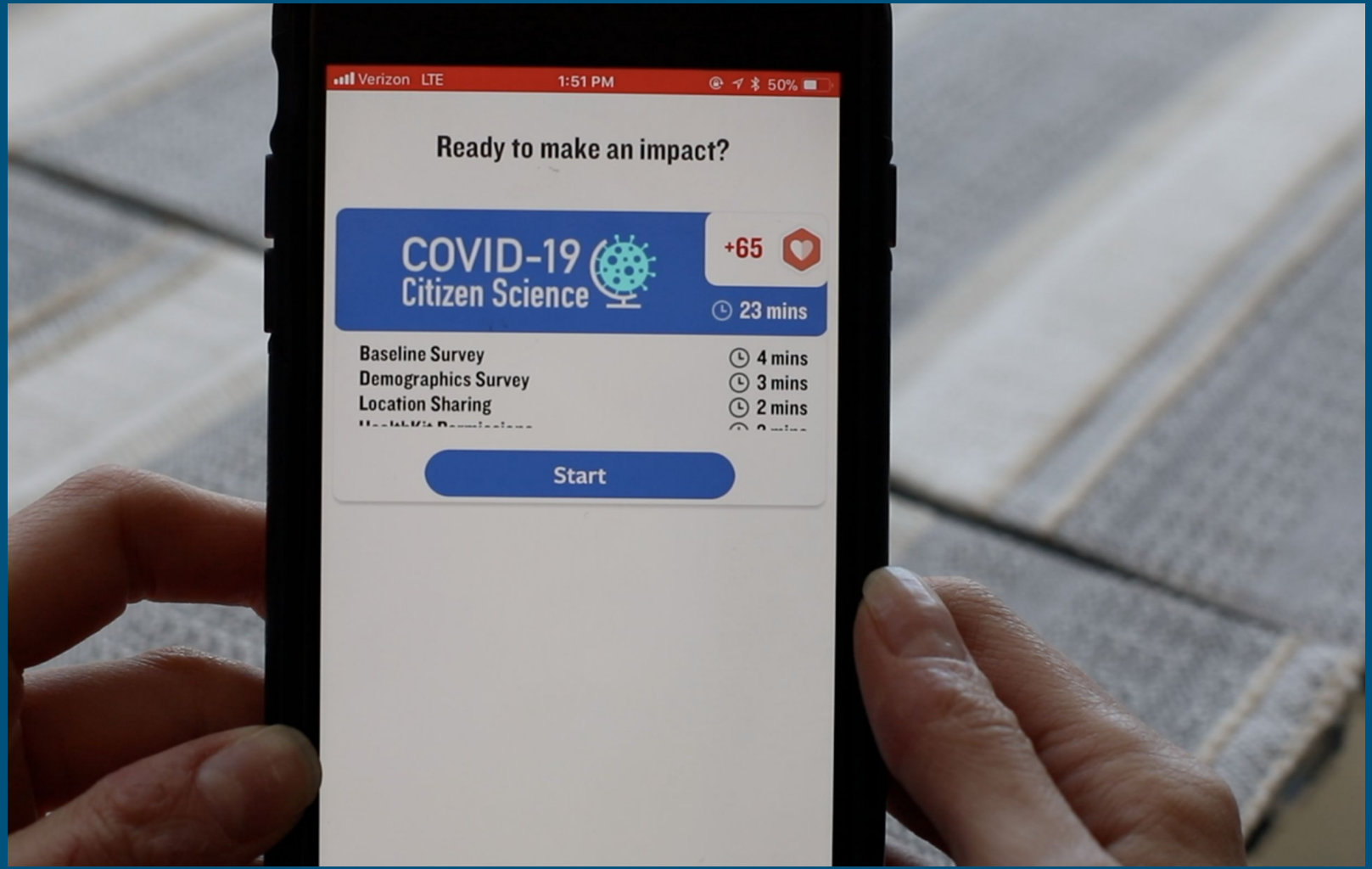


What do these two have in common?

tech + crowds = *conservation?*


VOLUNTEER
VOLUNTEER
VOLUNTEER




Verizon LTE
1:51 PM
50%
Ready to make an impact?
COVID-19
Citizen Science
+65
23 mins
Baseline Survey
4 mins
Demographics Survey
3 mins
Location Sharing
2 mins
Start

tech + crowds = *conservation?*

scistarter.org

scistarter
Science we can do together.

log in sign up Quick Navigate

@Girl Scouts Dashboard Project Finder Tools Events Podcast Blog Partner Gateways

FIND A PROJECT

by Keyword

e.g., weather, dog...

by Topic

Select a topic

Online only

Near me

Find a Project Advanced search

Featured Projects

ISeeChange

Goal Our climate is changing—and so are we.

Task Share your experiences and collect data to help our communities.

Where Global, anywhere on the planet

search all projects

Come and Participate

- **100,000** registered
- **millions** of onsite visitors
- **3,000+** projects

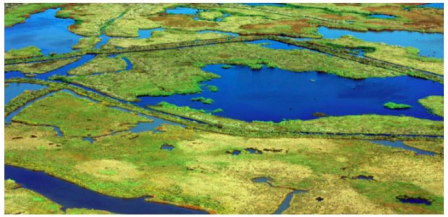
Rich Earth Institute

Urine My Garden

Goal Document the effects of urine fertilizer on different
more»

Task Collect urine, apply urine fertilizer, document
more»

Where Global, anywhere on the planet



Healthy Gulf

Land Loss Lookout

Goal Monitor land loss on the Mississippi River Delta.

Task Categorize wetland impact patterns using color
more»

Where Online

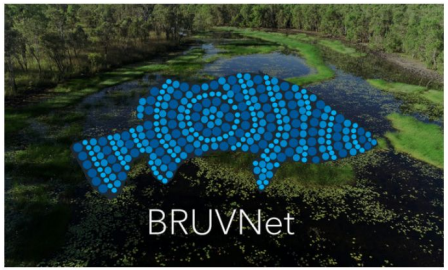
Anne Johnson

Birds Biting Bad Bugs

Goal Determine what native predators are feeding on
more»

Task Record observations of predators feeding on
more»

Where View map...



Andrew Jansen

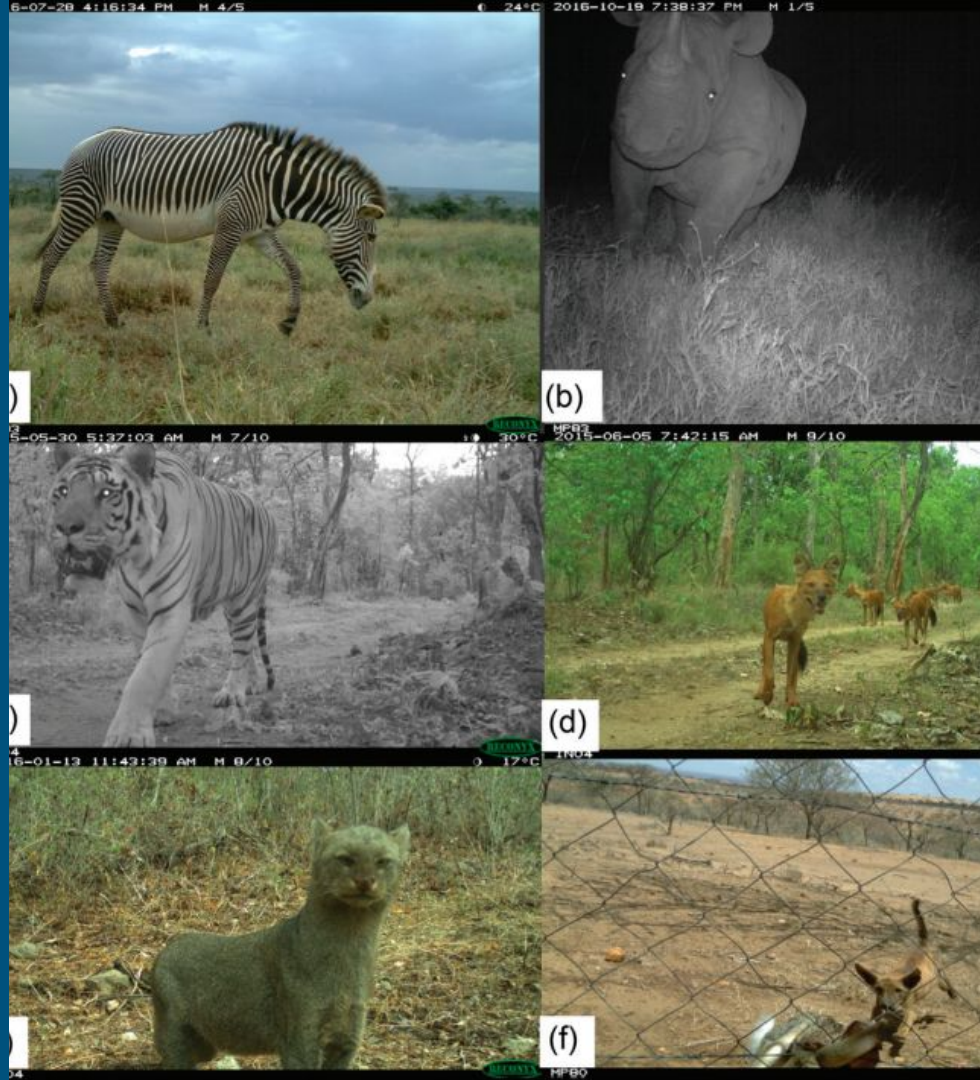
Train artificial intelligence to identify fish in Kakadu National Park (BRUVNet)

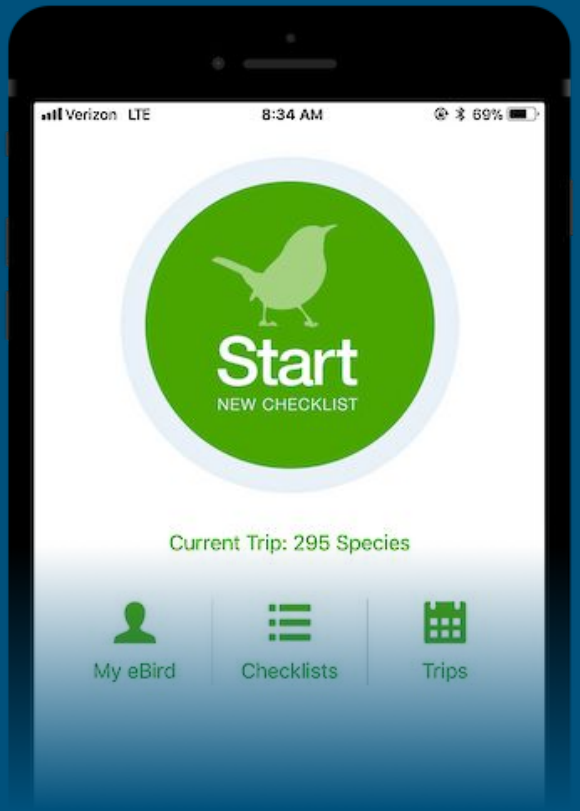
Goal Generate the worlds largest dataset of labelled
more»

Task Trace lines around fish species in imagery

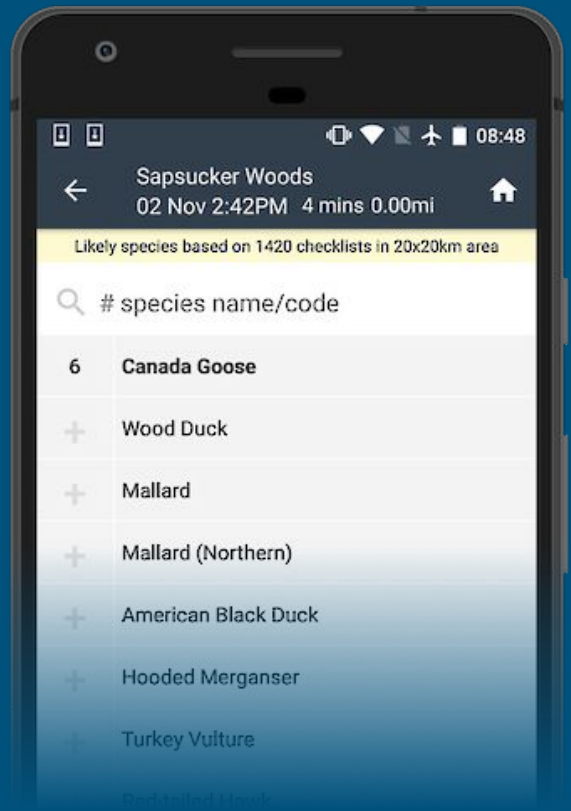
Where Online

- **13–37** species found
- **7** vulnerable, **4** endangered, and **1** critically endangered species




Verizon LTE 8:34 AM 69%
Start
NEW CHECKLIST
Current Trip: 295 Species
My eBird
Checklists
Trips


Verizon LTE 8:53 AM 66%
My eBird
World
4049 Species 10101 Checklists
Your Species by Year
7 Nov
31 Dec
2017 1038
2016 778 784
2015 829 856
2014 618 1005
2013 1268 1410
Your Species for November
7 Nov
30 Nov
2017 71
2016 161 230


08:48
Sapsucker Woods
02 Nov 2:42PM 4 mins 0.00mi
Likely species based on 1420 checklists in 20x20km area
species name/code
6 Canada Goose
Wood Duck
Mallard
Mallard (Northern)
American Black Duck
Hooded Merganser
Turkey Vulture

tech + crowds = conservation


JAYMI
HEIMBUCH

end