



# Citizen Science Program

## *Update on Projects*

**December 2018**

**Kitty Hawk, NC**



# Citizen Science Projects

## PROJECTS IN PROGRESS

- **Scamp Release Pilot Project**
  - *Citizen Science Research  
Priority: Discards*
- **FISHstory**
  - *Citizen Science Research  
Priority: Historic Fishing  
Photos*

## DEVELOPING PROJECTS

- Genetic sampling & Managed Area Monitoring
- Rare Species Observations





PC: Greg McFall, GRNMS

# Scamp Release Project

## *App Preview*



# Project FISHstory

Photo credit: Rusty Hudson



**Documenting historical catch and length estimates from historic photos in the for-hire sector using electronic data collection and imagery analysis platforms and crowdsourcing approaches.**





Photo credit: Rusty Hudson

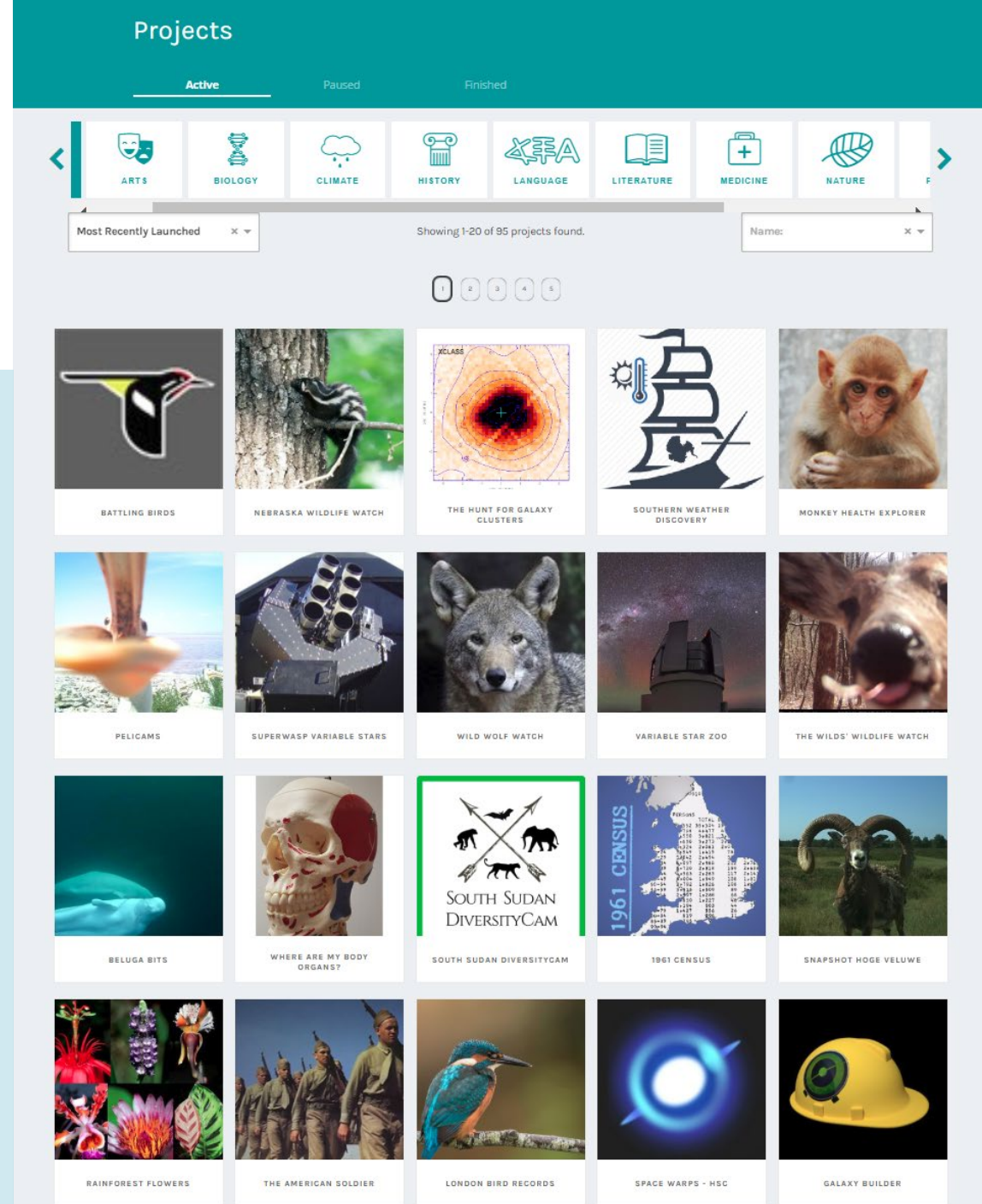
## PROJECT OBJECTIVES/METHODS:

- Fill in historical data gap – headboat photos from 1940s-70s; prior to fishery dependent surveys
- Species composition analysis
- Crowdsourcing
- Expert validation team
- Length analysis of one key species

# ZOONIVERSE

## *Crowdsourcing Platform*

- Build project online
- Develop tutorials/training
- Citizen Scientists analyze images
- Validation
- I.D. key species for length analysis





# IMAGE 'J'

- Open source image processing program

## Methods:

- Establish standards
- Measure lengths

Photo credit: Rusty Hudson

