Citizen Science Program Update

CitSci Operations Committee
October 2024

Program Activities

- NOAA CitSci Funding Opportunity
- SMILE Project Update
- SciFish Platform
- FISHstory Re-Launch

PC: REEF

PC:Tom Sparke

PC: REEF

SMILE Project

- Partner with divers to collect length info on data limited species
- Laser-mounted Olympus underwater cameras
- Field testing in FL Keys
- Data analysis underway for first field season
- Second field season underway

REEF™
Reef Environmental Education Foundation

Citizen Science

SECOORA
Southeast Coastal Ocean Observing Regional Association

SciFish Platform

www.accsp.org/what-we-do/scifish/

SciFish Introduction

Growing interest in using citizen science, which is a powerful tool to better understand marine fish populations

Vision: To create a citizen science mobile application that encourages and supports the capture and sharing of data on Atlantic coast fisheries.

Develop a citizen science mobile application and menu-driven project builder interface to eliminate need for stand-alone apps and standardize data collection

SciFish Development Drivers

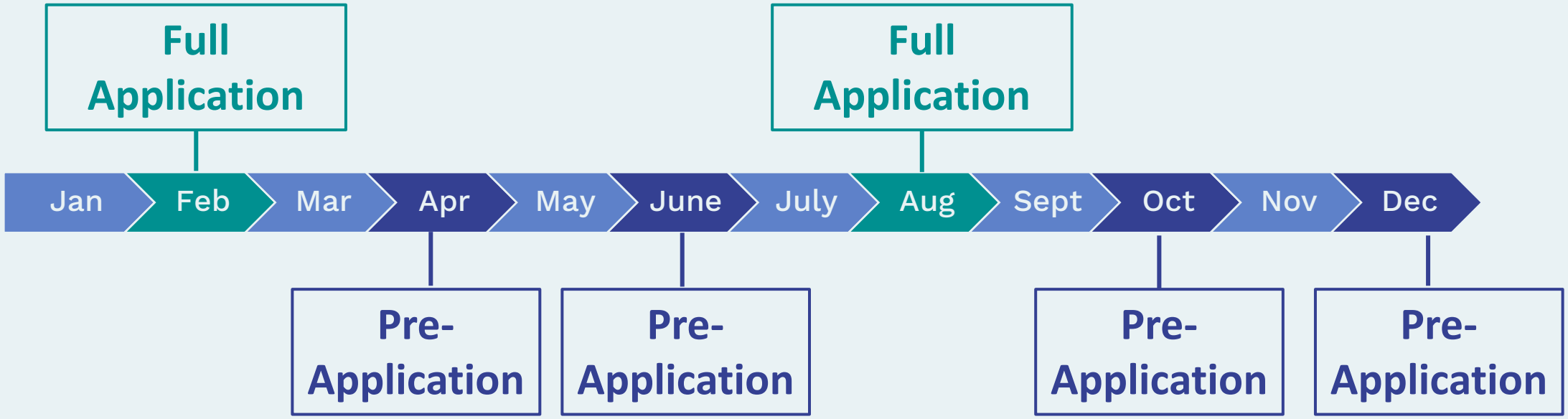
Reduce costs needed to develop individual applications

Reduce time to create applications from ground up

Increase consistency in data fields and structure

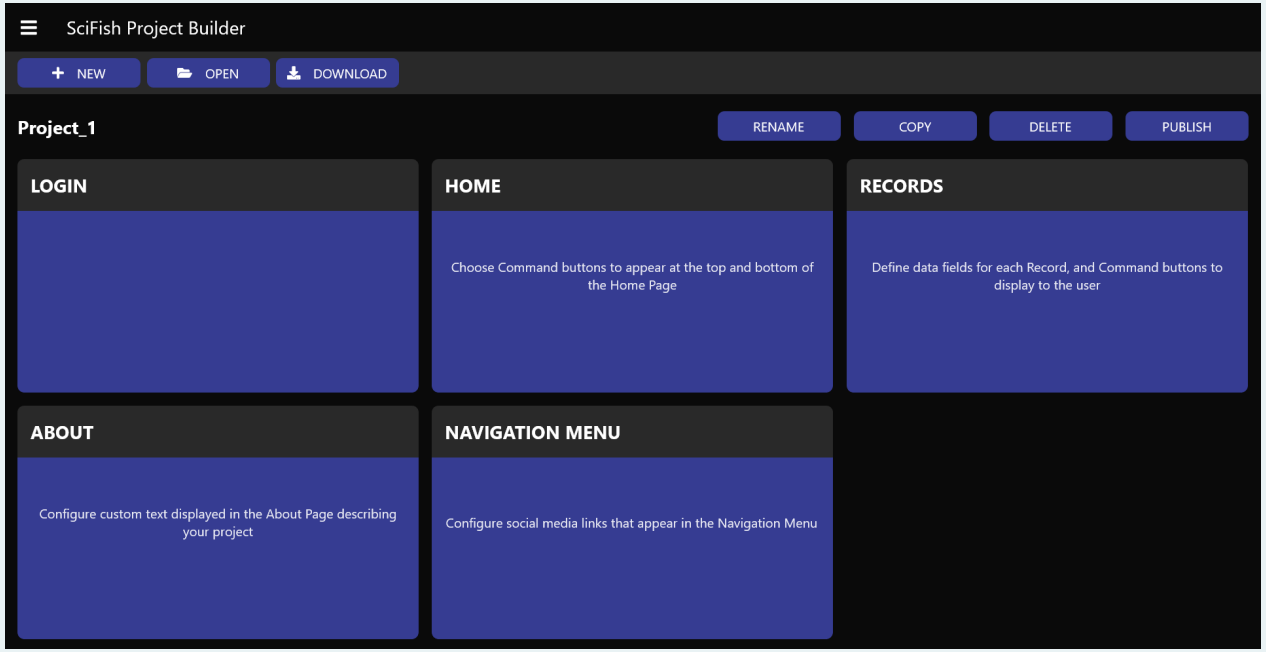
SciFish Project Development

Multi-step Application Process



SciFish Platform

SciFish Project Builder



[ACCSP SciFish Builder.mp4]

SciFish Mobile App

SciFish Uses

SciFish Projects

New Project

New Project

SciFish API

PC: Cathy Owen & Charles C. Owen Jr.

PC: Billy Smitherman

FISHstory

A SAFMC CitSci Project

FISHstory

Citizen Science

Gathering New Photos

- Goal: Collect historic fishing photos from across the South Atlantic region from the 1940s – 1980s for the FISHstory project

8 scanning events were held via Council related meetings

AP & Council members helped connect us to others in their communities

Members of the public reached out after seeing information via Council communication channels

FISHstory
A SAFMC CitSci Project

FISHstory Photo Archive

>600 new photos were digitized and archived in 2023

We're still working to grow archive

FISHstory: Photos for Analyses

Photo Description	Good	Better
Photo Type	Picture taken at the end of a trip displaying harvested catch with anglers	Fish hanging on leaderboard
Photo Date	Year	Month & Day
Photo Location	State	City & Dock
Photo Background	Photo provider name & contact	Vessel name & captain name

FISHstory project re-launched in Zooniverse July 2024!

FISHstory

ABOUT CLASSIFY TALK COLLECT RECENTS

Level 3 is now unlocked for all volunteers - so you can keep classifying away and helping us identify and count fish within the photos. Not a fish ID expert? No worries - we have tips and tricks in our tutorials and field guide. Feel free to reach out to our research team via the Talk Boards with any fish ID questions.

FISHSTORY

Filling Fisheries Data Gaps with Historical Dock Photos

LEARN MORE

GET STARTED!

Welcome to the FISHstory Project! We have four workflows where you can help us collect information from historic dock photos. Start with LEVEL 1 and unlock additional levels as you classify more photos. If you're not a fish ID expert, no worries! We welcome all and encourage you to use our Field Guide to help identify fish and provide your best guess. Thank you for your participation!

The collection of SAFMC FISHstory information is authorized under the OMB Control Number included in the Citizen Science & Crowdsourcing Information Collection page.

UNLOCKED

5% COMPLETE
LEVEL 3: Classify Red Snapper, Amberjack & Sharks

2% COMPLETE
LEVEL 4: Classify Dolphinfish, Cobia, Gray Triggerfish & Little Tunny

LOCKED

Good participation thus far.....

but working to recruit more volunteers

As of October 16, 2024

LEVEL 1: Count Fish and People

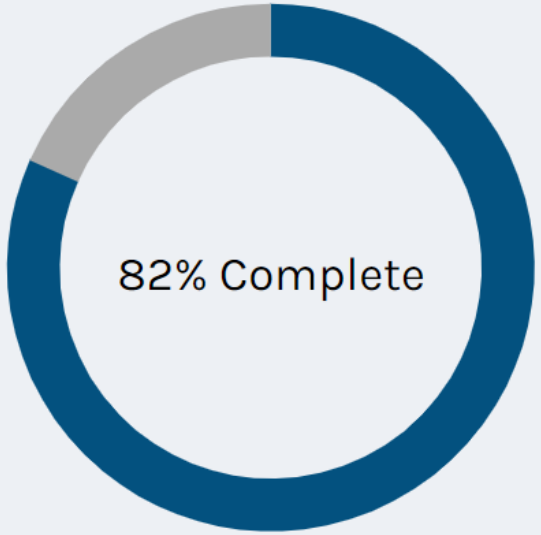
Retirement limit: 20
Images retired: 580 / 580
ETC* 0 days

LEVEL 2: Classify King Mackerel, Grouper & Sailfish

Retirement limit: 20
Images retired: 474 / 474
ETC* 0 days

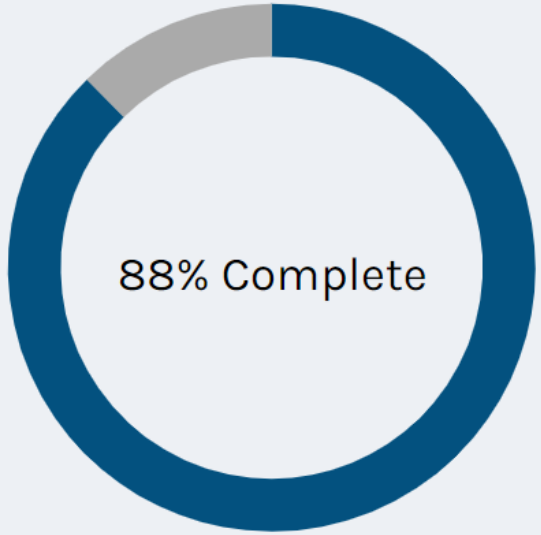
LEVEL 3: Classify Red Snapper, Amberjack & Sharks

Retirement limit: 20
Images retired: 108 / 474
Classifications: 7,748 / 9,480
ETC* 47 days

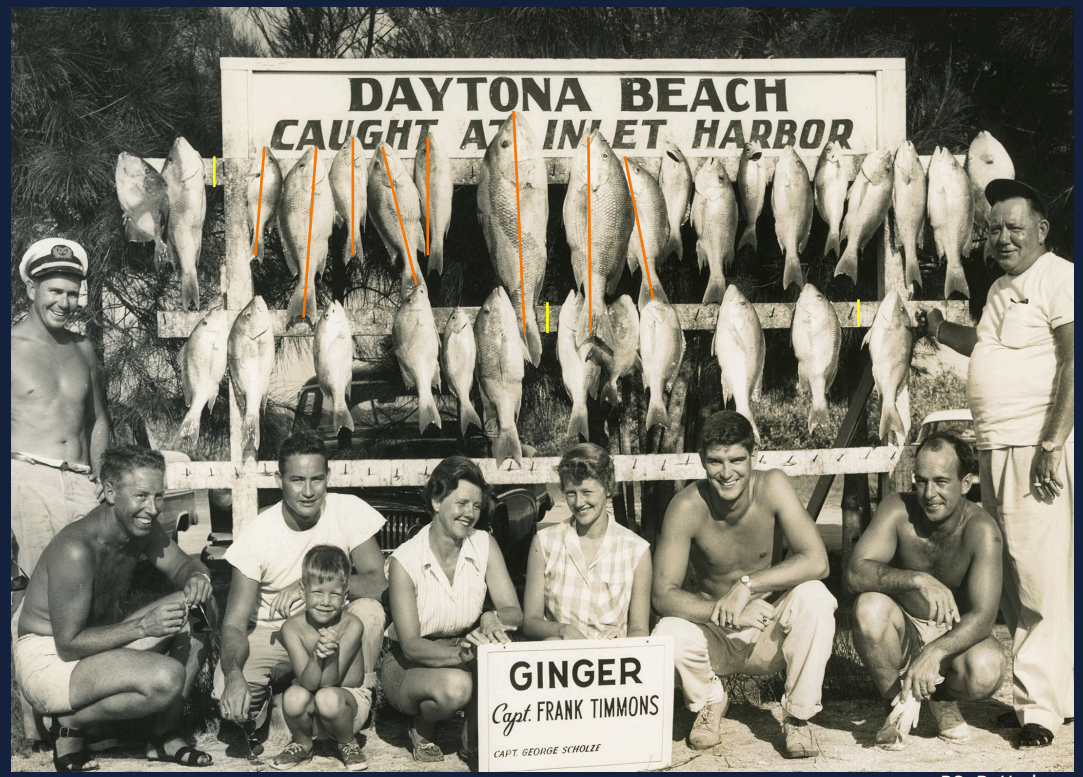


LEVEL 4: Classify Dolphinfish, Cobia, Gray Triggerfish & Little Tunny

Retirement limit: 20
Images retired: 107 / 474
Classifications: 8,311 / 9,480
ETC* 12 days



Estimating Fish Lengths



PC: R. Hudson

Keep up with projects & the Program!
safmc.net/citizen-science-program/

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