



Citizen Science

Citizen Science Program Update

Mackerel Cobia AP
April 2023

Program Activities



Fisheries Magazine Special Issue
on Citizen Science: [November 2022](#)



NOAA Library [Seminar Presentation](#)



FISHstory Scanning Events



CitSci Evaluation Interviews



Citizen
Science

FISHstory



A SAFMC CitSci Project



FISHstory Next Steps

- Move from pilot to full scale project



Funding to
grow
project



Expand
geographic &
temporal
range of
photos



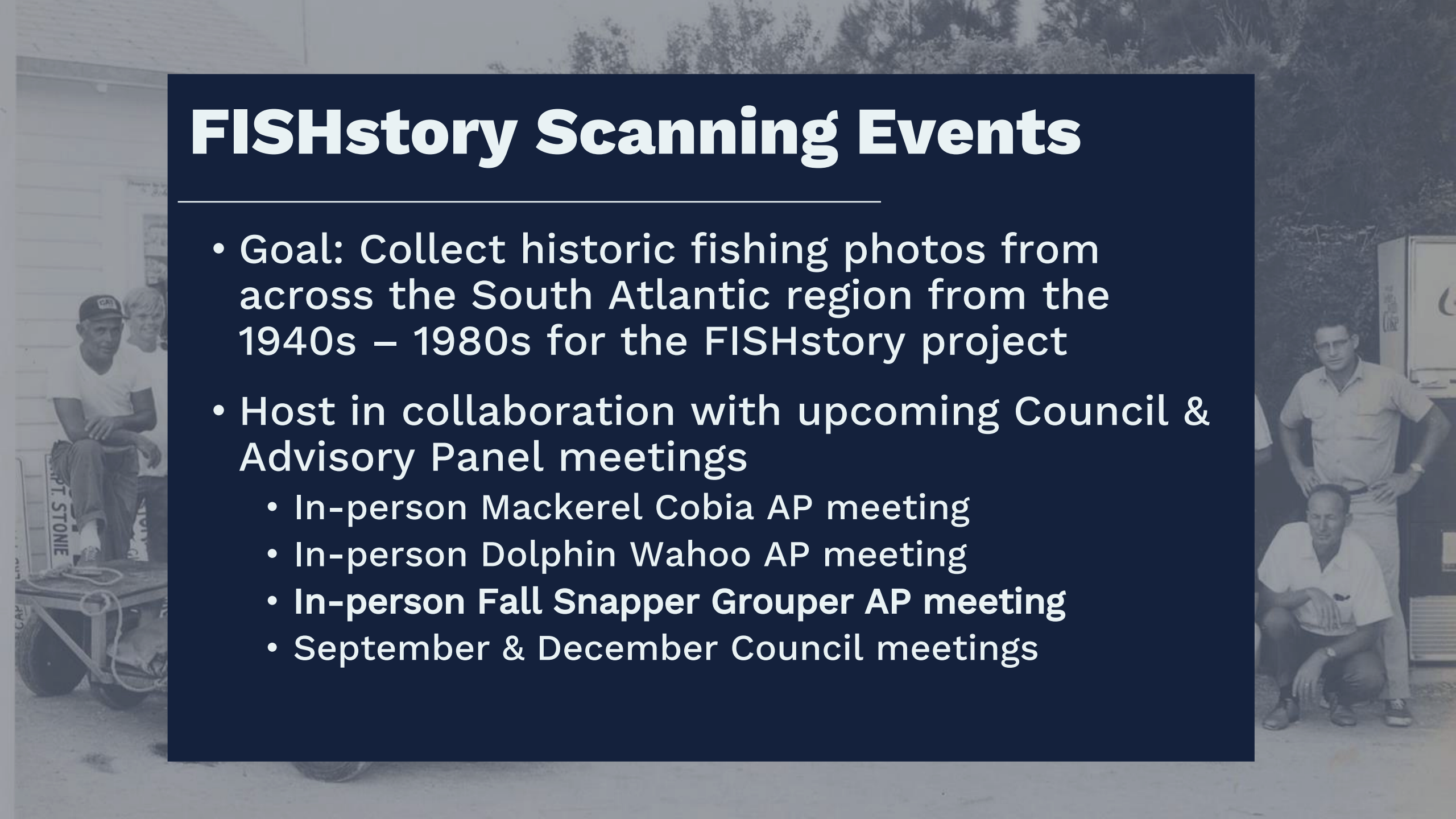
Improve
efficiency of
processes



Estimate
length
compositions
for more
species

FISHstory Scanning Events

- Goal: Collect historic fishing photos from across the South Atlantic region from the 1940s – 1980s for the FISHstory project
- Host in collaboration with upcoming Council & Advisory Panel meetings
 - In-person Mackerel Cobia AP meeting
 - In-person Dolphin Wahoo AP meeting
 - In-person Fall Snapper Grouper AP meeting
 - September & December Council meetings



FISHstory Scanning Events



Bring hard copy photos or digital photos to the event



Scan hard copy photos



Save digital photos



Collect photo details



Share digital copies of photos with provider

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



Good

Picture taken at end of trip displaying harvest with anglers

Year

State

Photo provider name & contact

Better

Fish hanging on leaderboard

Month

City & dock

Vessel name & captain name



Good

Picture taken at end of trip displaying harvest with anglers

Year

State

Photo provider name & contact

Better

Fish hanging on leaderboard

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City & dock

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Good

Picture taken at end of trip displaying harvest with anglers

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Photo provider name & contact

Better

Fish hanging on leaderboard

Month

City & dock

Vessel name & captain name



PC: Judy Helmey

Good

Picture taken at end of trip displaying harvest with anglers

Year

State

Photo provider name & contact

Better

Fish hanging on leaderboard

Month

City & dock

Vessel name & captain name



PC: Outer Banks History Museum,
Aycok Brown

Good

Picture taken at end of
trip displaying harvest
with anglers

Year

State

Photo provider name &
contact

Better

Fish hanging on
leaderboard

Month

City & dock

Vessel name &
captain name

PC: Judy Helmey



Good

Picture taken at end of trip displaying harvest with anglers

Year

State

Photo provider name & contact

Better

Fish hanging on leaderboard

Month

City & dock

Vessel name & captain name

FISHstory Scanning Events

- Are you willing to bring photos to the in-person Mackerel Cobia AP meeting?
- Are you willing to share information about scanning events with others in your community?
- Are there other opportunities to gather historic photos in your community?



Initial Program Evaluation Plan

- Gather baseline data on knowledge, attitudes, collaborations, engagement, and trust levels of various stakeholders in three stages:



Interviews



Complete: 6 fishermen, 6
scientists, 6 managers

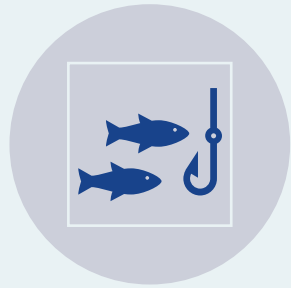


Gather information
from broader group



Implement & analyze results

Interview Focus Areas



**Health of South
Atlantic US fishery**



**Sufficiency of data to
support fisheries
management**



**Familiarity with citizen
science & SAFMC
Citizen Science
Program**



**Support and faith in
citizen science**

Interview results available



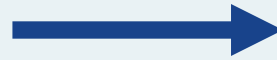
https://safmc.net/documents/2022/05/citsci_a1_safmc_stakeholderassessment1.pdf/

Initial Program Evaluation Plan

- Gather baseline data on knowledge, attitudes, collaborations, engagement, and trust levels of various stakeholders in three stages:



Interviews



Complete: 6 fishermen, 6 scientists, 6 managers



Gather information from broader group



Online survey – scientists & managers
More interviews – fishermen



Implement & analyze results

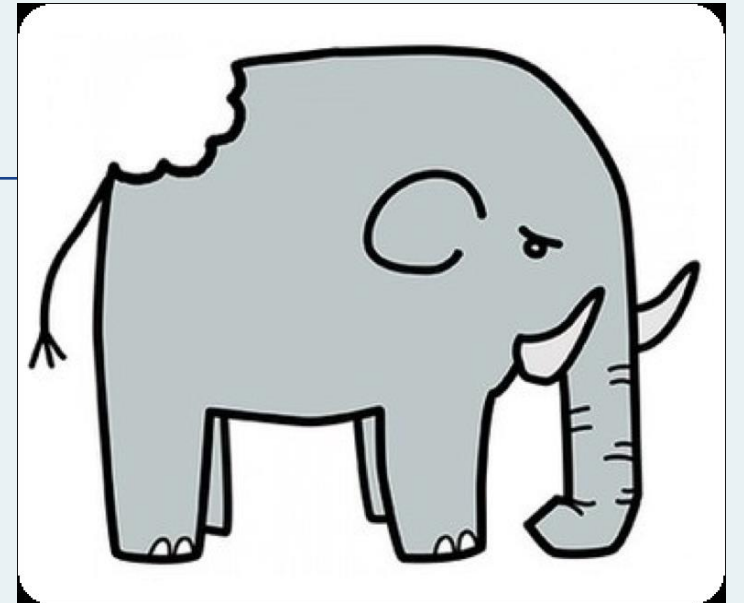


Interviews with Fishermen

Want to gather diverse perspectives & use sampling method that could be repeated in the future

Include fishermen in 4 South Atlantic states and across 3 sectors

Limited resources



Interviews with Fishermen

Commercial & For-Hire



NOAA Permit Database



Snapper Grouper & Mackerels



Focus on 4 Geographic Areas

Private Recreational



Fishing club or organization membership

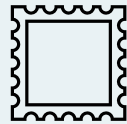


Focus on 4 Geographic Areas

Interviews with Fishermen

Commercial & For-Hire

Recruitment =



Private Recreational

Recruitment =



Interview method options for all sectors



Please consider participating if you are contacted!

We need your input!

- Suggestions for contacts in fishing clubs or other fishing organizations?
- Suggestions for other recruitment methods? What methods may work best?



Keep Up with Projects & the Program!

<http://safmc.net/citizen-science-program/>



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