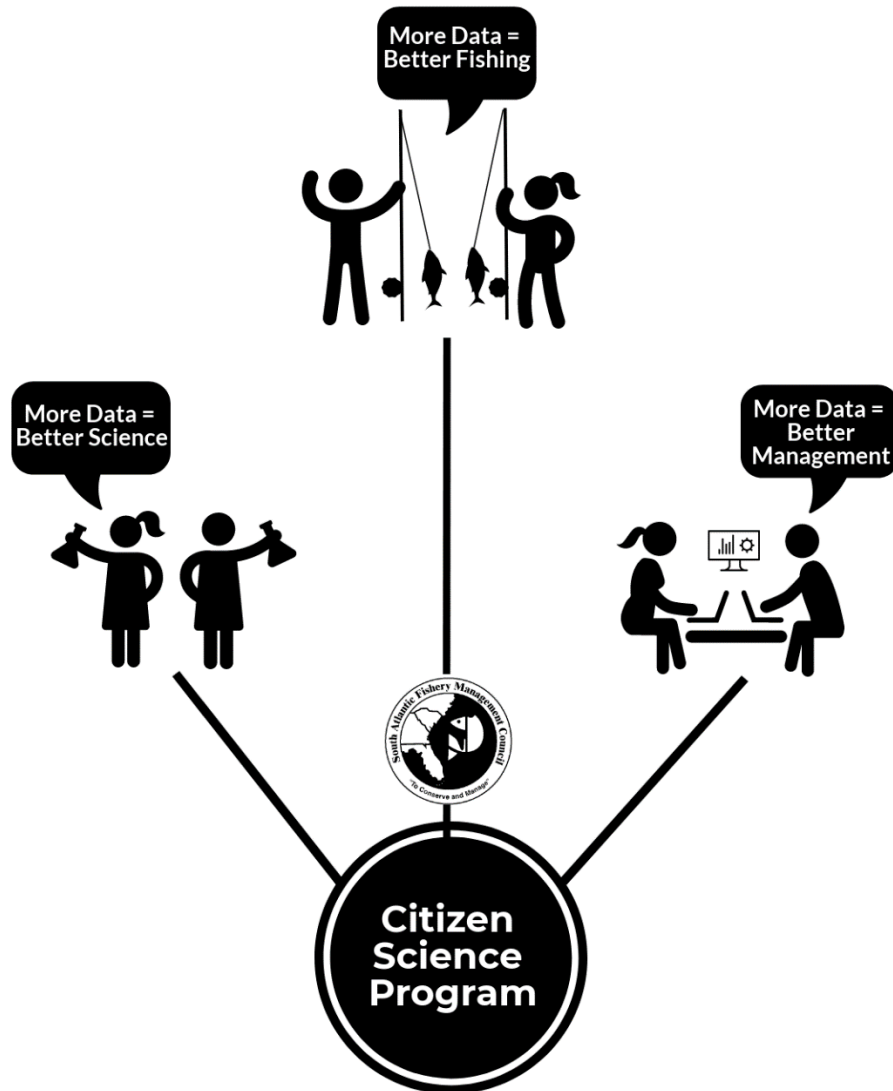*South Atlantic Fishery Management Council*
Citizen Science Program

Snapper Grouper AP Meeting

April 2019

Activities 2019

Program Manager Transition

- *Julia Byrd*

CitSci 2019 Conference

- *SAFMC Team lead Symposium highlighting efforts to develop Program*

Cit Sci Research Priorities Update

Projects

- *Pilot project to address scamp discards*

- *FISHstory pilot project to document historic catch and length estimates from historic for-hire photos*

- *Collaborator on TNC project in Gray's Reef National Marine Sanctuary*

Continue Partnership Development

Citizen Science Research Priorities

Updated every two years

Will help guide projects the Program pursues

SAFMC Citizen Science Research Needs		
TOPIC	**DATA NEEDED:**	**POTENTIAL OUTCOME:**
Age Sampling	Otolith collection	Age of catches
Maturity Data	Gonad collection	Improved reproductive information
Discard information	Length, depth, # of fish, reason, devices used	Improved discard removal estimates, size comps of discards
Genetic Sampling	Fin clips	Stock I.D.
Bottom habitat mapping	Imagery	Improved resolution of habitat
Monitoring in managed areas	Species, length, depth	Changes in fish abundance
Fishing infrastructure	Location and type of infrastructure	Document social/economic impacts of regulations over time
Historical Fishing Photos	Images (electronic)	Length comps; improved historical information
Oceanographic/ Environmental Conditions	Bottom temperature; weather	Build database on climate and changing conditions
Rare species observations	Point observations	Baseline for species shift

Citizen Science Research Prioritization Process

Summer/Fall 2019

Fall/Winter 2019

| Review & provide input on SAFMC's Research & Monitoring Plan | Develop Citizen Science Research Priorities Document | Citizen Science Project Portal

TO BE DEVELOPED |

- **Informed by SSC, AP's, SEDARs, SAFMC**

- **Cit Sci Projects Advisory Team**
- **Cit Sci Operations Committee**

Cit Sci Projects Advisory Team

Role & Responsibilities

- Identify citizen science research & data needs across all FMPs
- Assist with developing volunteer engagement strategies
- Outreach ambassadors for Program

Membership

- 1-2 representatives from each SAFMC species related Advisory Panels

Meet via webinar 1-2 times per year

Need to identify Snapper Grouper AP Representatives!

SAFMC
Cit Sci Pilot Project:
Scamp Release

Engagement: Work with fishermen and scientists to design a project to collect supplementary data on scamp discards using a mobile app

Data: discard data (length, depth, images)

Use: consideration for use in 2019 stock assessment

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PC: Greg McFall, GRNMS

RELEASE

- *Mobile application to collect lengths on scamp grouper discards*

Project Update

- **Release Evaluation App Testing Wrapping Up**
- **Developing training and outreach materials**
- **Target to have production app ready by late spring**

Need your help recruiting Scamp fishermen & promoting app!

- **Who are key contacts across sectors?**
- **What are best methods to reach out to contacts?**
- **Are you willing to help introduce project or staff to contacts?**
- **Fishing Clubs/Industry Associations that might be good to promote to?**
- **Best ways to communicate with volunteers?**

Project FISHstory

Photo credit: Rusty Hudson

DAYTONA BEACH CAUGHT AT INLET HARBOR

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

PROJECT OBJECTIVES/METHODS:

- Fill in historical data gap – headboat photos from 1940s-70s; prior to fishery dependent surveys

- Species composition analysis

- Crowdsourcing – Zooniverse Platform

- Expert validation team

- Length analysis of one key species

Keep Up with Projects & the Program!

Julia Byrd

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http://safmc.net/citizen-science-initiative/

PC: Don DeMaria