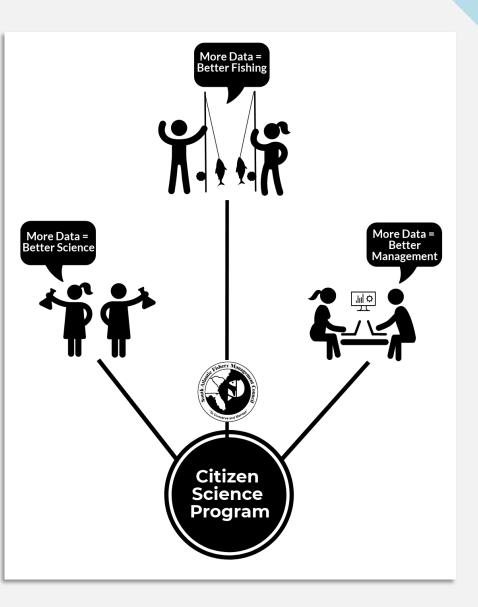


South Atlantic Fishery Management Council Citizen Science Program





Activities 2018



Program infrastructure

 Citizen Science Action Teams – program components

Partnership Development

 Program and project-level funding opportunities

Pilot Project

- Funding secured March 2018
- Project to address scamp discards

Cit Sci Research Priorities Adopted

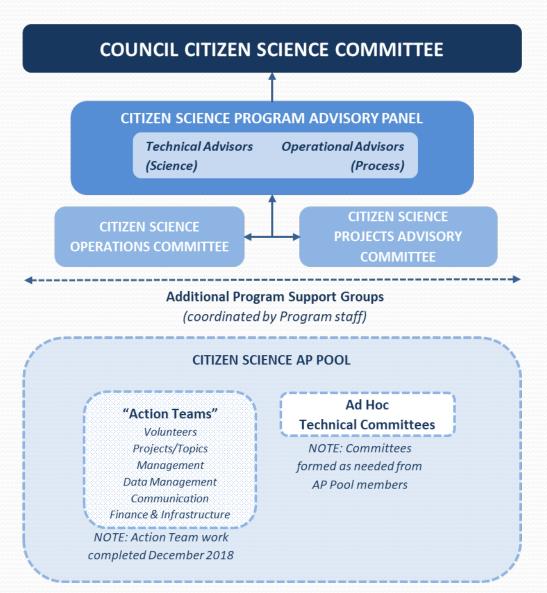
Operations Committee Meeting

Cit Sci Program SOPPs Adopted

PROGRAM Level - A-Team Products

A-Team:	Templates:	Inventories:	Additional items:
Data Management	Data standardsQA/QCData requirements	Data management resources by agency	Options for data storage
Volunteers	Basic volunteer orientationTraining by project type	Sample approaches for training	Online Volunteer Interest Form – tool to recruit volunteers
Projects/Topics Management	Citizen Science research priorities	Sources for research needs	Project Endorsement ProgramProject review metrics
Finance & Infrastructure	 Sample operational/ programmatic budget needs 	 Active list of project/program funding opportunities 	 Funding models and sources to pursue Partnerships to pursue
Communication	Project Communication Plan	 Sample outreach/ communication approaches 	Samples of approaches for sharing project results





Next Steps - 2019 & Beyond

Partnership Development:

- ✓ ASMFC
- ✓ GRNMS
- ✓ The Nature Conservancy
- ✓ SECOORA

PROJECTS IN PROGRESS:

- Scamp Release Pilot Project → Discards
- FISHstory → Historic Data from Historical Fishing Photos

PROJECTS UNDER DEVELOPMENT:

- Genetic sampling & Managed Area
 Monitoring
- Rare Species Observations

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



Met to map out initial app design and layout:

- Fishermen
- SE Fisheries
 Science Center
- NC Sea Grant researcher
- Harbor Light Software (app developer)

- ACCSP (data partner)
- Citizen Science
 Association/
 Cornell University
 (research study
 partner)
- Council staff

A-Teams developed plans for the project – Communication, Volunteer Training, Data Management

Research Study with Cit Sci Association/Cornell University:

- Dr. Jennifer Shirk documenting process and how it supports projects
- Rick Bonney –developing evaluation metrics for the project

PILOT PROJECT Level - A-Team Products

A-Team:	Support Materials:	Plans:	Additional items:
Data Management	 Mobile application & API development documents 		Partnership development with ACCSP
Volunteers	 Basic orientation materials on Council, cit sci, data collection Fact sheet on scamp 	 Training plan – approaches and materials 	
Projects/Topics Management		Project Development Plan	Partnership development with researchers
Finance & Infrastructure			Partnership with funders
Communication	 Implementation Plan frequency, social media, timing of project phases 	 Communication Plan approaches, key messaging 	



Lessons Learned...So far!



PC: Don DeMaria



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:

Photo credit: Rusty Hudson

- 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

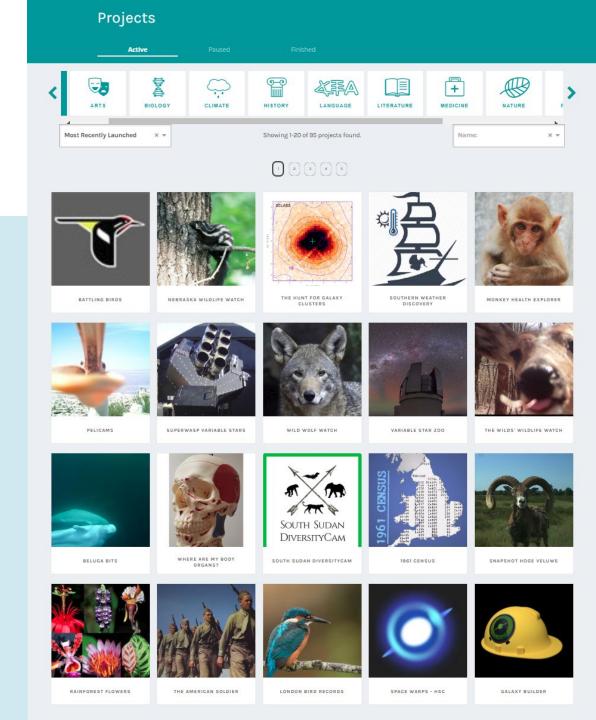


IMAGE 'J'

 Open source image processing program

Methods:

- Establish standards
- Measure lengths



Keep Up with Projects & the Program!

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PC: Don DeMaria