



# SAFMC Citizen Science Program: *Update*

**Amber Von Harten,  
Citizen Science Program Manager**

October 2017



**Information & Education Advisory Panel Meeting**

# Program Initiation



## Focus for 2017

### Build initial program infrastructure

- *Citizen Science Advisory Panel Pool*
- *Topical Action Teams*

### Partnership Development

- *Program and project-level funding opportunities*

### Pilot Project

- *Seeking support for a citizen science program pilot project idea*



# Program Development

## Framework

(Shirk and Bonney 2015)

### Participant engagement

Identify Goals

Establish capacity

Design/  
refine

Manage

Apply &  
Adapt

### Sustainability/accountability

## Program Blueprint & A-Teams

(SAFMC 2016)

### Volunteers

- Recruiting
- Retention
- Incentives
- Expectations
- Role in Research

### Project/Topics Management

- ID & prioritize topics/research needs
- Application process
- Selection
- Expectations
- Training
- Evaluation

### Data Management

- Entity
- Data policies
- Access & use guidelines
- End-user citations
- Infrastructure
- Documentation
- Data standards
- Platform/Tools

### Finance/ Funding

- Administrative - short/long term
- Project funding
- Partnerships
- Management
- 

### Communication/ Outreach

- Approaches/Tools
- Media Plan
- Feedback - Recognition Plan
- Training Plan
- Sharing Progress & Results
- Technology/ Platforms

# SAFMC Citizen Science Program – *Citizen Science Advisory Panel Pool*

## Cit Sci AP Pool

- *Operates similarly to the SEDAR Pool (pool of individuals to serve on specific teams)*
- *Existing AP members, workshop participants, and others considered for pool*

## Action Teams

- *Members appointed, as needed*
- *Volunteers, Data Management, Project/Topics Management, Funding, Communication/Outreach/Education*
- *ROLE: Use task list to develop recommendations for program operating policies*



# Action Team – *Volunteers*

## **FOCUS:**

How to work with **volunteers** on citizen science projects

<b>A-Team Members</b>	
Trip Aukeman	Coastal Conservation Association
Courtland Babcock III	Fisherman
William Gorham	Fisherman/Mackerel Cobia AP member
Frank Helies	NOAA SERO
Shelly Krueger	FL Sea Grant
Robert Lorenz	Fisherman/Snapper Grouper AP member
Sara Mirabilio	NC Sea Grant
Michelle Ryan	Stakeholder
Dave Snyder	Fisherman/Snapper Grouper AP member
Mimi Stafford	Fisherman/Spiny Lobster AP member

## **Volunteers**

- **Recruiting/Retention**
- **Training**
- **Incentives**
- **Role in project ID & research needs**
- **Expectations**

# Action Team – *Data Management*

## **FOCUS:**

How to effectively **manage citizen science data** and create **data standards and policies**

<b>A-Team Members</b>	
Luiz Barbieri	FL Fish & Wildlife Conservation Commission/ SAFMC SSC member
Michael Burton	NOAA SEFSC Beaufort lab
Brett Fitzgerald	Snook & Gamefish Foundation
Rusty Hudson	Fisherman/Snapper Grouper AP member
James Morley	Researcher
Joe Myers	ACCSP
Greg Peralta	Fisherman/Mackerel Cobia AP member
Tracey Smart	SC Department of Natural Resources
Scott Smith	NC Division of Marine Fisheries

## **Data Management**

- **Managing entity**
- **Data Life Cycle**
- **Data Policies**
- **Access**
- **End-user citations**
- **Validation**
- **Use guidelines**
- **Infrastructure**
- **Electronic tools**
- **Data documentation**
- **Applicable data standards**
- **Platforms for data**
- **Presentation & marketing**

# Action Team-

## *Projects/Topics Management*

### **FOCUS:**

How to select **citizen science topics** for the program and ways to develop, solicit, and **manage citizen science projects** under the program

#### **A-Team Members**

Scott Baker	NC Sea Grant
Walter Bubley	SC Department of Natural Resources
Robert Crimian	The Nature Conservancy
Jimmy Hull	Fisherman/Snapper Grouper AP member
Ira Laks	Fisherman/Cobia Mackerel AP Chair
Richard Merrick	Scientist Emeritus, NE Fisheries Science Center
Trish Murphey	NC Division of Marine Fisheries
Paul Rudershausen	Researcher
Beverly Sauls	FL Fish & Wildlife Conservation Commission
George Sedberry	NOAA National Marine Sanctuary
Erik Williams	SEFSC-Beaufort Lab

#### **Projects-Topics Management**

- ID topics/research needs
- Application process
- Approving/endorsing projects:
- Prioritization of needs
- Selecting projects for support, endorsement
- Soliciting ideas
- Outlining project expectations
- Training for science methods in citizen science
- Evaluation of projects

# Action Teams– *Finance & Infrastructure*

## FINANCE

- Administrative funding
- Project funding

### FOCUS:

How to identify and pursue **resources and funding** to support the program and citizen science projects

<b>A-Team Members</b>	
Leda Cunningham	The Pew Charitable Trust
Kathy Knowlton	GA Department of Natural Resources
Laura Leach	Atlantic Coast Cooperative Statistics Program



# Action Teams–

## *Communication/Outreach/Education*

### **FOCUS:**

How to provide **outreach, training, and communication** about the program and projects under the program

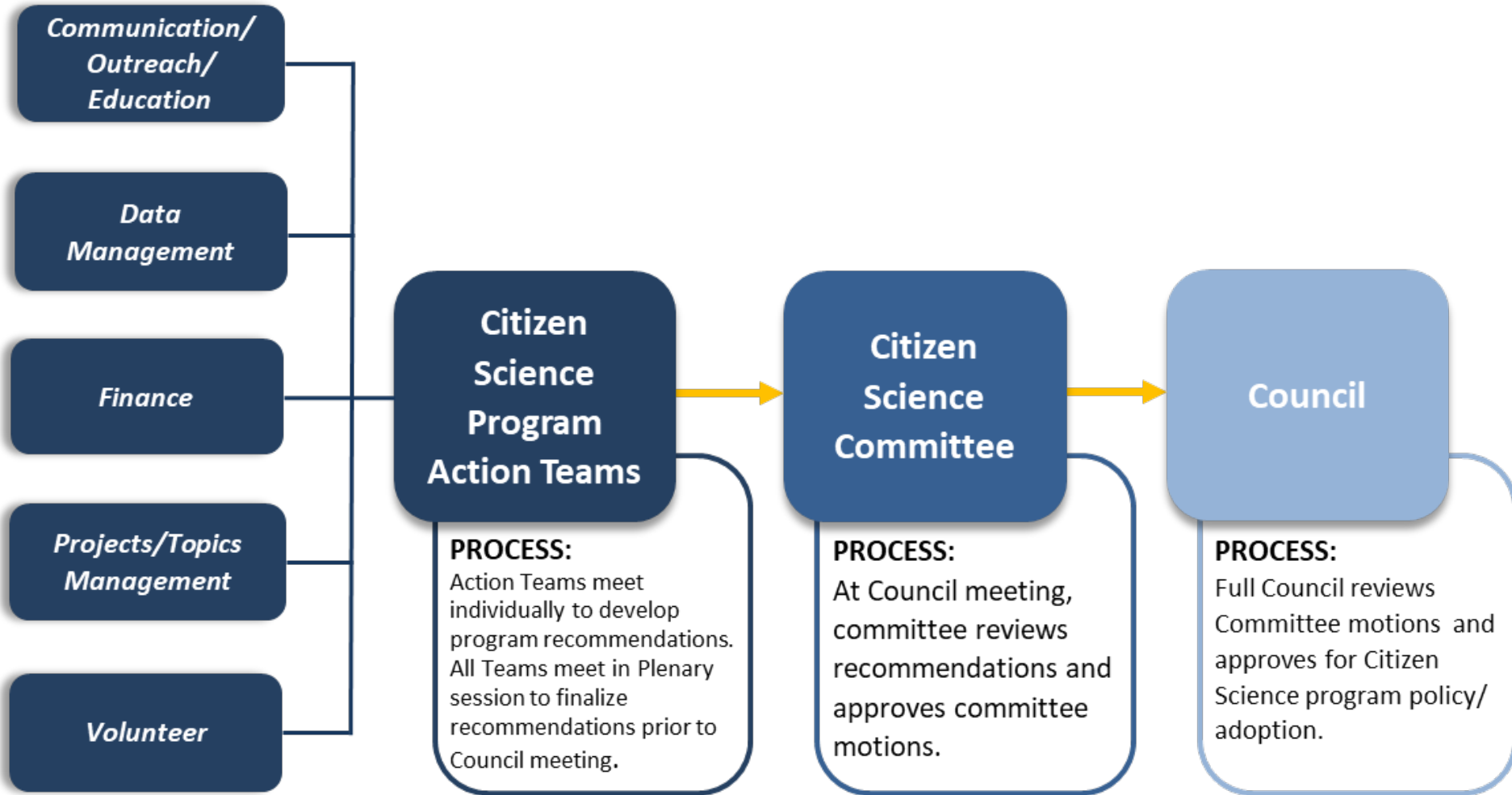
### **Communication- Outreach-Education**

- Approaches & Tools
- Media Plan
- Feedback-Recognition Plan
- Training Plan
- Newsletters/Reports:
- Technology Platforms

<b>A-Team Members</b>	
Holly Abeels	FL Sea Grant
Bruce Buckson	SAFMC Law Enforcement Advisory Panel member
Lora Clarke	Pew Charitable Trusts
Bryan Fluech	UGA Marine Extension/ Sea Grant
William Heyman	Researcher/ LGL Ecological Associates
Ryan Jiorle	Virginia Marine Resources Commission
Chris McHan	Gulf of Maine Research Institute/ Marine Resource Education Program
Laura Oremland	NOAA
Tom Roller	Fisherman & Mackerel Cobia AP member

# Action Team

## Work Flow Process



# Action Teams– *Anticipated Timeline & Deliverables*

<b>Timeline</b>	<b>Deliverable</b>
Aug 2017	Action Team meetings; appoint chairs; TORs; work plan
Sept 2017	Action Team meetings; work on TORs
Oct 2017	Action Team meetings; work on TORs; draft initial recommendations
Nov 2017	Plenary Action Team meeting; finalize recommendations
Dec 2017	Citizen Science Committee reviews recommendations
2018	Continue work on TORs



# Stay Tuned!

## Action Teams

- *Monthly webinar meetings; open to public*
- *First recommendations to Council in December 2017*
- *Join us on an A-Team!*

## Pilot Project

- *Coming Soon!*

## Partnership Opportunities

- *Contact us!*





**For more information:**

<http://www.safmc.net/citizen-science-initiative>

**Contact**

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*Photo credit: Don DeMaria*