



Citizen Science

CitSci Program Indicators

CitSci Projects AP
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CitSci Program Planning & Evaluation



Goals – lofty & visionary



Objectives – specific & measurable steps of actions that can be taken to achieve goals



Strategies – steps to meet objectives



Indicators – measures that show objectives have been reached

Types of Indicators



Output indicators: direct products of activities;
easier to measure



Outcome Indicators: changes to individuals,
groups, communities as result of participation or
experience; harder to measure



Program Goals

Want to develop 1-3 output indicators per goal that can be monitored regularly



- GOAL 1: Design, implement, and sustain a program framework to guide the development of projects that support fishery management decision making.
- GOAL 2: Facilitate the development of individual projects to address specific research priorities.
- GOAL 3: Ensure that data collected by projects are accessible, robust, and fit for purpose.
- GOAL 4: Foster mutual learning, collaboration, and program engagement.

GOAL 1: Design, implement, and sustain a PROGRAM framework to guide the development of projects that support fishery management decision-making.

Potential Indicators

- # of individuals and organization types participating in citizen science related advisory panels and ad-hoc groups over time
- # of external programs that have used CitSci Program policies and procedures
- # of invitations to present on CitSci Program or serve on CitSci focused work groups

GOAL 2: Facilitate the development of individual PROJECTS to address specific research priorities.

Potential Indicators

- # of proposals submitted by year
- # of projects developed by or in collaboration with our Program
- # of research priorities addressed through projects
- # of SAFMC Fishery Management Plans covered through projects
- Diversity of project participants (e.g., fishermen, divers, general public)

GOAL 3: Ensure that DATA collected by projects are accessible, robust, and fit for purpose.

Potential Indicators

- # projects (including information on their data type and species) that have been considered and/or recommended for use in assessment or management

GOAL 4: Foster mutual LEARNING, COLLABORATION, and program ENGAGEMENT.

Potential Indicators

- # volunteers

Volunteers would include individuals participating in projects – participating could include data collection, project design, data validation, etc.

- # partners by organization type, partner activity, and number of collaborations

Partners would include any entity (organization, business, agency, etc) aiding and propelling the CitSci Program in a positive direction

- # outreach activities by type

- Online reach - # webpage views, QR code scans, social media

Discussion Questions

- Are the indicators relevant to the Program goal they're tied to?
- Are there any indicators that are confusing or not clear?
- Are there important gaps in what the indicators are currently measuring? Could staff reasonably track the information needed to fill that gap?
- Are there indicators that aren't needed or are duplicative?
- Do the indicators assess the important parts of the Program?
- Do you think you could have a strong understanding of the Program's progress from these indicators? If not, what's missing?