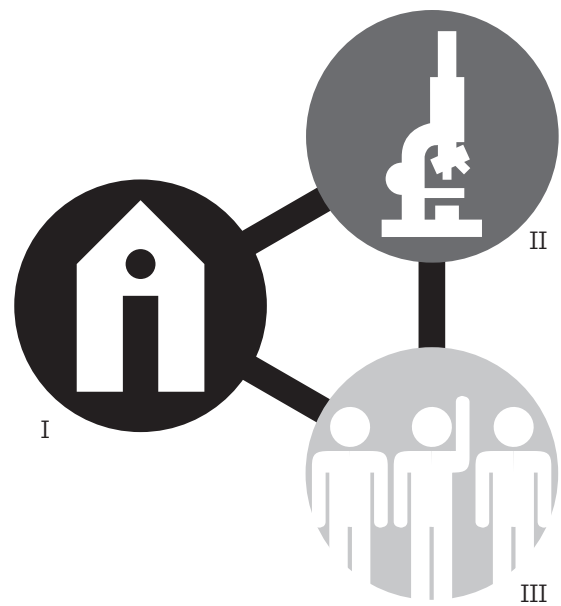


INFOGRAPHIC

Citizen Science Program
Conservation Trust of Puerto Rico

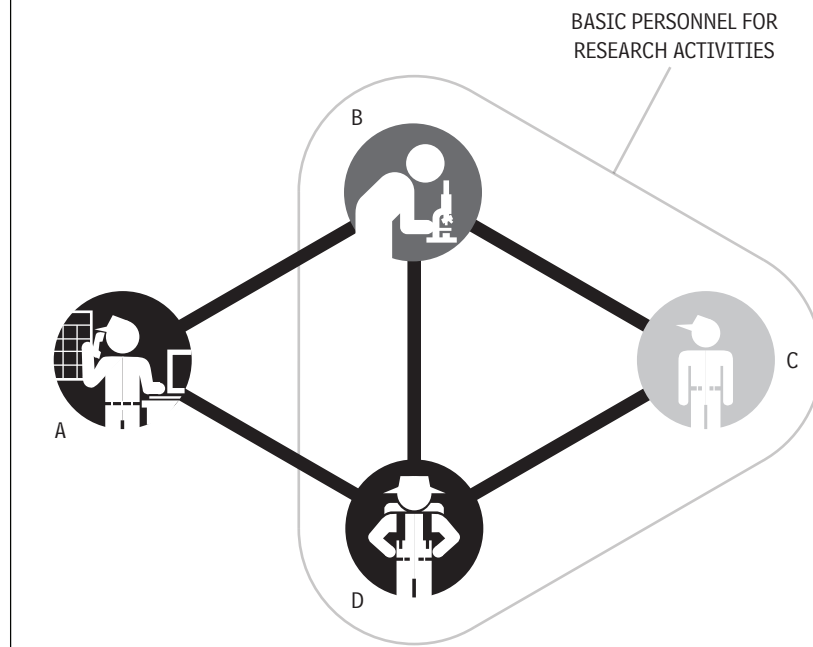


BASIC PROGRAM COMPONENTS

I. Organizing Entity (OE) – The entity in charge of creating, designing, implementing and managing a citizen science program, from beginning to end.

II. Lead Investigator – Also referred to as lead scientist in the Citizen Science Program (CS); responsible before the OE for the quality and success of a research project, from beginning to end; also participates in drafting and implementing the research proposal.

III. Volunteers – They are the heart and soul of the CS Program; they come from a target public identified during the program's planning stages and must be recruited after an ideal profile has been determined, in keeping with the required activities of each research project.



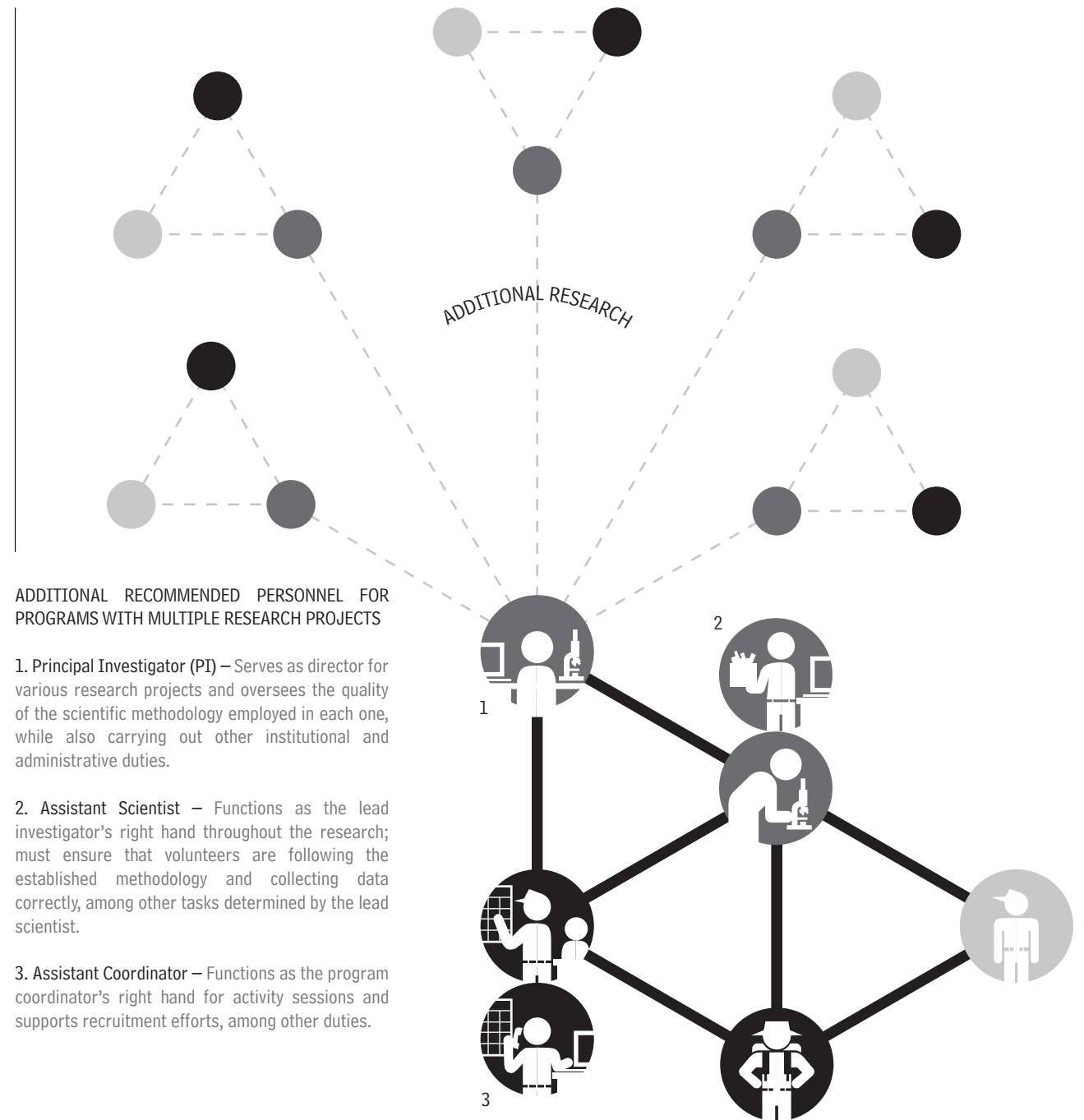
BASIC PERSONNEL TO IMPLEMENT THE PROGRAM

A. Program Coordinator – In charge of almost all tasks related to planning and implementing research activities; ensures effective communication among program components; responsible for the program's success before the OE.

B. Lead Investigator – Also referred to as lead scientist in the CS Program; leads activity sessions and is responsible for sharing the knowledge needed for participants to understand the scientific methodology being used; must ensure that the methodology is implemented effectively in the learning environment.

C. Volunteers – Known as citizen scientists in the CS Program. Their duties in the learning environment are determined by the lead investigator; and they are usually instrumental in documenting observations, collecting data and, in some cases, analyzing and processing data.

D. Education Officers – Embodied by the Trust's environmental interpreters in the CS Program, they represent the OE in the learning environment, serve as links between the investigator and the volunteers, supervise the educational quality of research activities, and collect feedback from all participants.



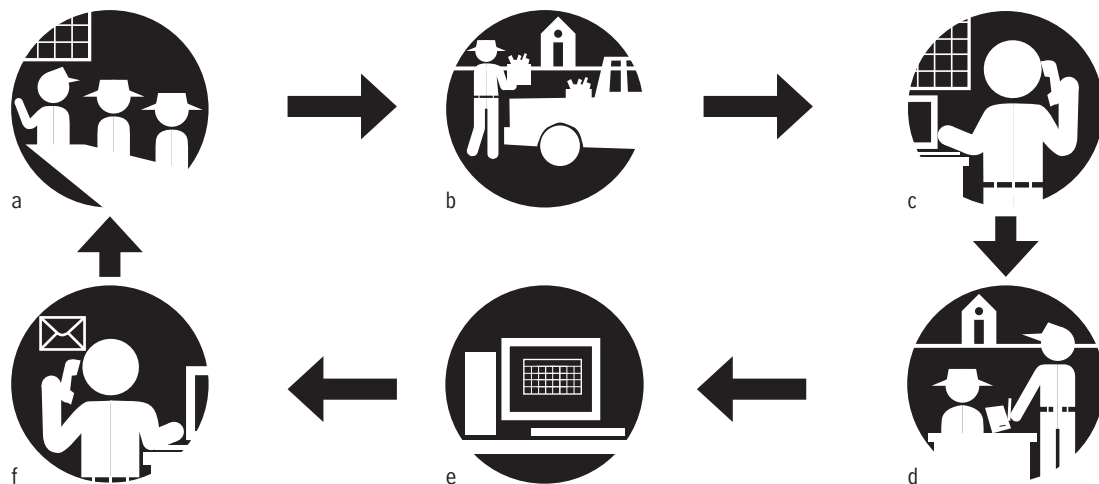
ADDITIONAL RECOMMENDED PERSONNEL FOR PROGRAMS WITH MULTIPLE RESEARCH PROJECTS

1. Principal Investigator (PI) – Serves as director for various research projects and oversees the quality of the scientific methodology employed in each one, while also carrying out other institutional and administrative duties.

2. Assistant Scientist – Functions as the lead investigator's right hand throughout the research; must ensure that volunteers are following the established methodology and collecting data correctly, among other tasks determined by the lead scientist.

3. Assistant Coordinator – Functions as the program coordinator's right hand for activity sessions and supports recruitment efforts, among other duties.

RECOMMENDED WORK FLOW FOR VOLUNTEER RECRUITMENT AND MANAGEMENT



a. Coordination – Periodic meetings held for personnel, activity planning, and discussing past activities. **b. Preparation** – Learning environment, materials and equipment, etc. **c. Recruitment** – Using the database, phone calls, email. **d. Attendance** – Welcoming, consent forms, permits, checklists. **e. Database** – Registering attendance, adding information to database. **f. Acknowledgments and Follow-Up** – Thank you cards, certificates of participation, stipends if applicable, distribution of new calendar and invitations to upcoming activity sessions.

RECURRENT CONCEPTS

Scope of Project – Description of a project that includes its duration period, from beginning to end, and details about all research activities to be carried out.

Work Schedule or Plan – Shows all programming available for the public, including activity names, dates, hours, difficulty levels, and contact information, among other details.

Project Impact – Measures the impact of a citizen science program based mainly on the effectiveness of educational experience for participants, how the investigation questions were answered, and whether other objectives in the general proposal were achieved.

Environmental Interpreter – A specially trained professional who serves as a communicator and host for visitors to the Trust's protected natural areas; provides knowledge about the natural and historical heritage in an inspiring manner, and in easy-to-understand language; functions as an education officer within the CS Program.

Management Plan – Description of scientific methodology and data analysis, along with a dissemination plan and a duration of study distributed among activities; scheduling must be coordinated with the

OE and include descriptions of data fields to be employed.

Citizen Science Program – Integrates volunteer work into scientific research, mostly through participants who have no scientific background; may be implemented by any type of OE, but must be composed of one or more research projects; some programs concentrate on monitoring, and others on research.

Research Proposal – Document drafted by the lead investigator to compile aspects related to the research such as background, description, object of study, justification, hypothesis or question, materials and equipment, work plan, volunteer integration, and references.

Research Activity Session – A limited period of time where volunteers become directly involved in the program; includes different activities within the identified or designed learning environments.

Prospective Volunteer – A member of the target public who has been previously identified and possesses either the interest or potential to participate in the citizen science program; fits the volunteer profile established for the activities.