BACKYARD BUOYS

Community Research Implementation & Stewardship Plan (CRISP)

The CRISP is a co-developed, modular, and actionable process that facilitates the design, development, and implementation of a community-led program to address local needs for ocean data. The process is founded upon common and specific needs in varying geographies and enables the creation of unique stewardship plans for the diverse communities wanting to deploy and maintain ocean observing instrumentation in their coastal waters.

Community fills out Survey Monkey questionaire.

Survey Monkey generates spreadsheet based on community responses.

Draft CRISP document generated.

We add in the most relevant of a few standard modules.

Community review, question and listening sessions, fine tune, edit.

Final, approved CRISP document generated.

"This project has the ability to bridge local Indigenous knowledge with scientific data collection, making the information needed for ocean safety decisions more accessible to our local community," said Fuiava Bert Fuiava, Samoan Village Chief.

Photo courtesy of National Park Service

Who can use the CRISP?

The process will be available to anyone interested in sustaining ocean observing assets in their coastal waters. The web-based* questionnaire can be completed directly by individual community members or by community coordinators/partners.

What is in a CRISP?

CRISPs will be tailored by each community to meet their specific needs, but common elements include:

- Goals and metrics for success
- Roles and responsibilities
- Equipment and supplies
- Training needs and opportunities
- Permits
- Region-specific concerns
- Data access priorities
- Plans to sustain the program

*Offline access is also an option.

How is the CRISP unique?

- It is adaptable to any community or group interested in developing their own community ocean observing plan.

- Local project success (vision, goals, metrics) is defined by the community.

- Although the Backyard Buoys team is showcasing the CRISP with the Sofar Smart Mooring and Spotter wave buoy technologies, the process can be modified for other observing assets (e.g., weather sensors, current meters, water quality sensors).

- The process bridges Indigenous knowledge and Western engineering solutions to accelerate the application of sophisticated, yet easy-to-use technologies to enable autonomy in ocean observing.

- Using a CRISP makes it easy to identify training needs and additional ocean parameters of interest that would enhance the utility of existing technologies.

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Want to see a CRISP in action?

Check out our webpage at **www.backyardbuoys.org** to find more information, watch our video, and meet the project team.

[CLICK TO VIEW OUR VIDEO]