



Metric Reporting

Susan Holmes, NSGO Performance and Evaluation Lead

February 1, 2022



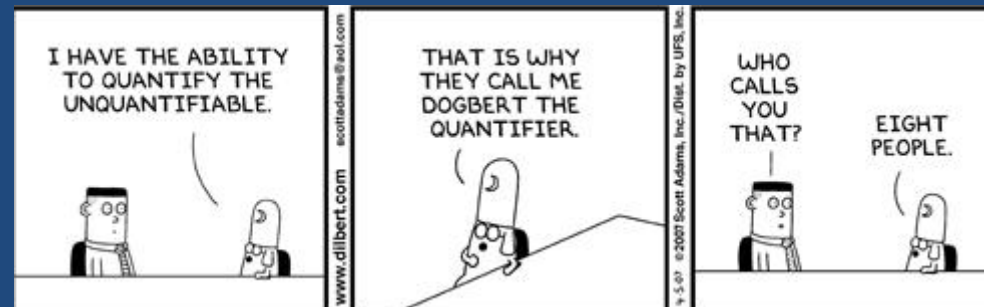
High-Level

- Drivers: legislative and statutory mandates
- PIE – Planning, Implementation, Evaluation

Reporting Measures and Metrics are part of the process

Why do we want / need to measure?

- To monitor progress – *are we on track with the strategic plan?*
- To monitor the effectiveness of something – *is it working?*
- To analyze patterns – *are we improving?*
- To make adjustments and stay on track – *are we focusing on the right things?*
- To solve problems or explore opportunities.
- To show the impact that SG has to the states and nation.



Metrics, Measures and SG's Impact

- Performance criteria (metrics, measures, I&As) is a combination of quantitative and qualitative measures used to assess the program activities, outcomes of the programs, and used in assessing the effectiveness and impacts of individual programs with benchmarks of performance during program evaluations for recertification.
- Metrics, measures and I&As are grouped under national focus areas or are cross-cutting, which allow for us to talk about the work we do to address both state and national needs.
- It is the qualitative (I&As) and quantitative (metrics/measures) that are used to tell the cohesive effort and impact that the network does.
- Having very clear, to the point, focus areas allows both our national office and the programs to tell a very cohesive story of our impact.

Where do Metrics fit in the Grand Scheme?

Reporting and Evaluation

Sea Grant strives to achieve excellence in accomplishing its mission. To support this, the Sea Grant programs are constantly engaged in a rotating cycle of planning, reporting and evaluating themselves.

Planning, Implementation, and Evaluation (PIE) Policy

- PIE Policy 2018-2021 (pdf)
- PIE policy 2014-2017 (pdf)

Annual Reporting

- 2018-2021 Annual Reporting Guidance (pdf)
- Webinar: Annual Reporting for PIER and Sea Grant Library (recording link)
 - Note: The components covering the Sea Grant Library are out of date and should not be followed. (10-19-2021)
- Slides: Annual Reporting for PIER and the Sea Grant Library (pdf)
 - Note: The components covering the Sea Grant Library are out of date and should not be followed. (10-19-2021)

PIER Reporting

Annual reports for work completed February 2021 to January 2022 **due in PIER on June 1, 2022**

- PIER Database
- Performance Measure and Metric Definitions (pdf)
- Webinar: Impacts and Accomplishments, 2020 webinar (recording link)
- Slides: Impacts and Accomplishments, 2020 webinar (pdf)
- Slides: Best Practices for Impacts and Accomplishments, 2019 webinar (pdf)
- Sample impact and accomplishment statements (pdf)

Publications completed February 2021 to January 2022 **due on June 1, 2022.**

- NSGAB Information Services and Publication Review Committee Report 2021 (pdf)
- Webinar: Sea Grant Information Services. May 26, 2021 4-5pm EDT

Archived 2014-2017 Reporting Information

Grants Progress Reporting and Research Performance Progress Report (RPPR)

DOC/NOAA RPPR Guidance (from this website - scroll to bottom)

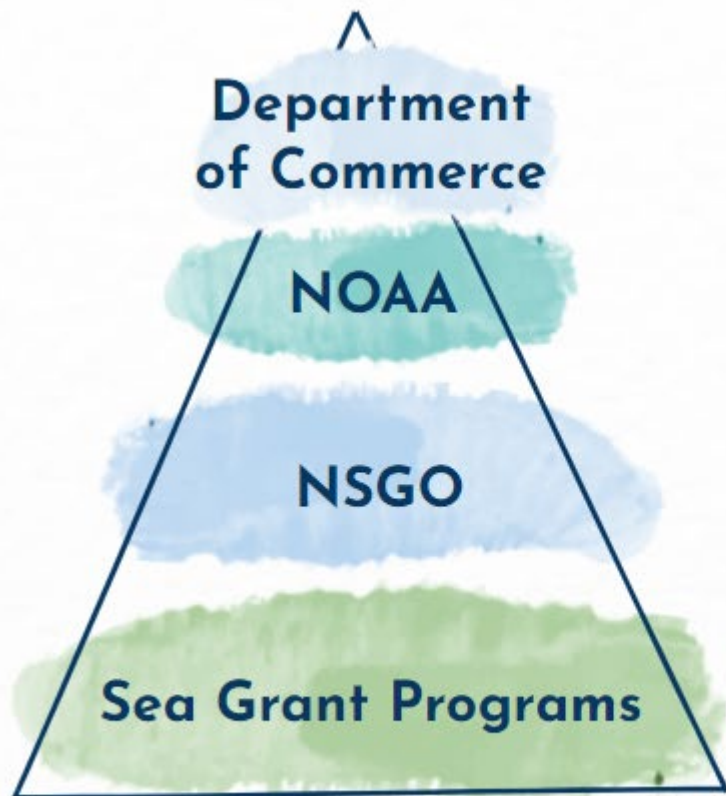
- RPPR Instructions (pdf)
- RPPR Template (pdf)
 - actual reporting must be done directly in Grants Online
 - also note the NOAA version of this form (i.e. the one you will complete) does not include demographic information
- Grants Online User Guide for RPPR (pdf)

Supplementary Guidance for Sea Grant Programs

- Grants Progress Reporting and RPPR Guidance (pdf) updated 9/2021
- Webinar: October 29, 2019 (recording and transcript)
 - Slides (pdf)

Evaluation - Site Visits

Annual Reporting and Evaluation



- 01** Performance Metrics and Impacts & Accomplishments
- 02** Improvements on program reporting
- 03** Meeting federal reporting requirements
AOP, Office of Ed, NMFS, NOS, ASR, APPR
- 04** Meeting agency mandates

Additional Use of the Information

- Program information reported in metrics, measures and I&As have been used to address requests for information about the Sea Grant College Program.
- These requests can be administrative, operational, programmatic or technical analysis.
 - The information has been used in responses to requests the national office received from NOAA, DOC, OMB and Congress.
 - The values are used in factsheets and on the website to help tell the SG story.
 - To address information requests from leadership (travel ides, hot issues, TPs)
 - To address Legislative Referral Memorandum (LRM) (budget & legislation)
 - To address Controlled Correspondence (GAO Reports)

Annual Reporting Timeline

- 2021 Annual Report (report results of Sea Grant work between February 1, 2021 and January 31, 2022)
- Program deadline for annual report input into the PIER database and the Sea grant Collections is the beginning of June each year.
- June - mid-August: NSGO Review Period
 - NSGO Staff will reach out to programs with questions, clarification, and request for changes
- Mid-August - November: Program officers discuss content of the annual report with their programs



PIER Annual Reporting Categories

- I. Estimated Level of Effort per Focus Area
- II. Impacts and Accomplishments
- III. Leveraged Funding
- IV. Performance Measures
- V. Program Metrics



Attribution

- To report results of program activities through performance measures and metrics, Sea Grant's involvement should be one of leadership or provision of a service (planning, financial, personnel, or research accomplishments) that would likely be described by stakeholders and partners as essential for the project's ultimate success.
- When a program has a support or non-essential role in a project, the impacts or accomplishments of the project should be described in narrative form in the annual report but not reported in performance measures and metrics.

Reporting on Performance Measures and Metrics

Context for reporting:

- The national performance measures/metrics may not reflect priorities of any particular program or state.
- National performance measures/metrics do not encompass all of Sea Grant's efforts, but instead indicate a subset of efforts in each national focus area or are cross-cutting.
- Program achievements – regardless of whether captured by the national performance measures/metrics – should be reported in narrative format as impacts and/or accomplishments to highlight the achievements of each Sea Grant program.

Metric Reporting

- PIER Reporting
 - 14 Metrics
 - 46 fields in PIER to fill out
- Publications reported to the SG Collection at the NOAA Library

Cross Cutting Metrics

Sea Grant Staffing

Core Funding Proposals

Volunteer Hours

Number of Postsecondary Students Financially-Supported by Sea Grant in Higher Education Programs (Undergraduate, Graduate)

Number of Postsecondary Degrees Financially-Supported by Sea Grant in Higher Education Programs (Undergraduate, Graduate)

Number of P-12 Educators who participated in Sea Grant education programs

Number of P-12 Students Reached Through Sea Grant-Trained Educators or Directly through Sea Grant Education Programs

Sea Grant-Sponsored/Organized Events

Attendees at Sea Grant-Sponsored/Organized Events

Public or Professional Presentations

Attendees at Public or Professional Presentations

Clean Marina certifications

HACCP certifications: Number of individuals certified in Hazard Analysis Critical Control Point (HACCP) due to Sea Grant efforts (a systematic preventive approach to seafood safety)

And reported to the Sea Grant Collection at the NOAA Library are the number of peer-reviewed publications produced by the Sea Grant network

PIER

PIER SEA GRANT WEBSITE

pier.seagrant.noaa.gov

PIER HOME

PLANNING - STRATEGIC PLAN ELEMENTS

- [Strategic Plans](#)
- [Program Partners](#)

IMPLEMENTATION - PROJECT MANAGEMENT ELEMENTS

- [Projects](#)
- [Funding](#)
- [Leveraged Funding](#)
- [Impacts & Accomplishments](#)
- [Project Updates](#)
- [Data Sharing Plan Updates v1.0.0](#)

EVALUATION - ANNUAL REPORT ELEMENTS

- [Metrics](#)
- [Performance Measures Reporting](#)
- [Economic Benefits](#)
- [Products](#)
- [Hazard Resiliency Training](#)
- [Estimated Level of Effort per Focus Area](#)
- [Strategic Plan Objectives Reporting \[Archive\]](#)
- [Resources - Reports](#)
- [Downloadable Reports](#)
- [Enhanced Online Reports](#)
- [Annual Report](#)
- [Grant Progress Report](#)

Logout

Address Book

PIRP DOCUMENT ARCHIVE

CHANGE PASSWORD

SUGGESTIONS

USER MANUAL

Program Metrics: 2014 and Later

The Metrics page is used to report National Metrics Data. These data are used to explain the scope and work of the National Sea Grant College Program.

Program Metrics for 2013 and Earlier

(Select a Program)

Annual Report Year: (Please Select)

SEA GRANT STAFFING	Number of Individuals (Integers Only)	Number of FTE's (Funded by Federal Sea Grant \$)	Number of FTE's (Funded by Match and non-Sea Grant \$)
Administrative	<input type="text"/>	<input type="text"/>	<input type="text"/>
Communications	<input type="text"/>	<input type="text"/>	<input type="text"/>
Extension	<input type="text"/>	<input type="text"/>	<input type="text"/>
Education	<input type="text"/>	<input type="text"/>	<input type="text"/>
Research	<input type="text"/>	<input type="text"/>	<input type="text"/>
Individuals Staffing the Program in all areas	<input type="text"/>		

CORE FUNDING (NOT NSI's)	Number of Proposals	Number of Institutions Involved	Number from Home Institution
Pre-Proposals Submitted	<input type="text"/>	<input type="text"/>	<input type="text"/>
Full-Proposals Submitted	<input type="text"/>	<input type="text"/>	<input type="text"/>
Proposals Funded	<input type="text"/>	<input type="text"/>	<input type="text"/>

Volunteer Hours	Number
	<input type="text"/>

	Number of New Students	Number of Continuing Students	Number of Degrees Awarded
Sea Grant Supported Undergraduate Students	<input type="text"/>	<input type="text"/>	<input type="text"/>
Sea Grant Supported MS/MA Graduate Students	<input type="text"/>	<input type="text"/>	<input type="text"/>
Sea Grant Supported PhD Graduate Students	<input type="text"/>	<input type="text"/>	<input type="text"/>
Other Sea Grant Supported Professional Degree Graduate Students	<input type="text"/>	<input type="text"/>	<input type="text"/>
Number of P-12 Students Reached Through Sea Grant-Trained Educators or Directly through Sea Grant Education Programs	<input type="text"/>		

Number of P-12 Educators who participated in Sea Grant education programs	Number
SG-Sponsored/Organized Events	<input type="text"/>
Attendees in SG Meetings/Workshops	<input type="text"/>
Public or Professional Presentations	<input type="text"/>
Attendees at Public or Professional Presentations	<input type="text"/>

Clean Marina Program -- Certifications	Number
HACCP -- Number of people with new certifications	<input type="text"/>

Update Program Metrics

Sea Grant Staffing

What

- Report the number of individuals and full-time equivalents (FTEs) funded by SG funds, non-SG funds and match.
- Report all personnel including: PIs, graduate students, technicians, and support staff. All personnel should be counted in categories of Administration, Communications, Extension, Education, and Research.

Why

- We want to collect the number of individuals and FTEs devoted to SG during the reporting period in order to describe and monitor the size of the SG network. This metric provides the information about personnel composition of each program and the entire network.
- The information has been used in responses to requests the national office received from NOAA, DOC, OMB and the Hill re: the size of SG in states and across the nation. The values are used in factsheets and on the website to help tell the SG story.

Core Funding Proposals

What

- Report Core funding of pre-proposals, full-proposals, and proposals that are funded.
- Report Number of proposals, number of institutions involved, and number of home institutions (e.g. proposal metrics for the institution where the Sea Grant Director reports).
- Don't report NSIs in this metric.

Why

- This metric is used to demonstrate the scale and diversity of Sea Grant's research enterprise as programs report the number of pre-proposals, full proposals, and funded proposals for omnibus core funding and the number of participating institutions.
- Has been used to ask for more money. For instance, if the demand is greater than the funded levels. The information has been used in responses to requests the national office received from NOAA, DOC, OMB and the Congress. The values are used in factsheets and on the website to help tell the SG story.

Volunteer Hours

What

- Report the estimated number of hours that citizens volunteer without payment for their time and services to help a state Sea Grant program accomplish the goals and objectives of its four-year plan (e.g., co-sponsored events/trainings).

Why

- This metric shows how Sea Grant coordinates individuals who are willing to donate time without payment for their time and services in order to help a state Sea Grant program accomplish the goals of its four-year plan.
- Volunteer hours are monetized annually and included as part of the *Sea Grant by the Numbers* economic benefit in factsheets, on the website, and in response to Sea Grant's return on investment value in addressing requests from NOAA, DOC/OMB and the Hill.

Number of Postsecondary Students and Degrees Financially-Supported by Sea Grant in Higher Education Programs (Undergraduate, Graduate)

What

- Report the number of undergraduate/graduate students & degrees supported by Sea Grant through financial or other means.
- Report undergraduate, MS/MA graduates, PhD graduates, and other supported professional degree graduate students (e.g. J.D, etc.). Report # of new students, # of continuing students, # of degrees awarded

Why

- To indicate Sea Grant's investment in postsecondary education, this metric tracks the number of undergraduate/graduate students & degrees financially supported by Sea Grant.
- Information is used to tell SG's story and valuable leadership in support of the next generation.
- Sea Grant's education portfolio includes undergraduate and graduate education, teacher education, K-12 curriculum development and programs, fellowships, informal education for the general public, special training programs for industry and much more.
- Information is reported to the NOAA Education office contributing in capturing all of NOAA's efforts in this area. Educators work closely with universities, the NOAA Office of Education, the National Marine Educators Association and other partners to develop formal education programs, workforce training and professional education programs.
- Information is reported to OAR and NOAA annually (AOP). The information has been used in responses to requests the national office received from NOAA, DOC, OMB and the Hill. The values are used in factsheets and on the website to help tell the SG story.

Number of P-12 Educators who participated in Sea Grant education programs

What

- This metric indicates the number of Preschool through 12th grade (P-12) educators who attend a Sea Grant-sponsored workshop or training (i.e., by an educator/extension agent) and can then enhance the environmental literacy of students for years to come.

Why

- This metric demonstrates the number of Preschool through 12th grade (P-12) educators who have increased environmental literacy by attending a Sea Grant-sponsored event and can then enhance the environmental literacy of students for years to come.
- Sea Grant educators provide valuable leadership in marine and aquatic science education activities throughout the nation, playing a leading role in P-12, undergraduate, graduate, professional, technical and public education in coastal communities.
- Information is reported to the NOAA Education office contributing in capturing all of NOAA's efforts in this area. Educators work closely with universities, the NOAA Office of Education, the National Marine Educators Association and other partners to develop formal education programs, workforce training and professional education programs.
- The information has been used in responses to requests the national office received from NOAA, DOC, OMB and the Hill. The values are used in factsheets and on the website to help tell the SG story.

Number of P-12 Students Reached Through Sea Grant-Trained Educators or Directly through Sea Grant Education Programs

What

- Report the estimated a) number of Pre-school thru 12th grade (P-12) students who attend a Sea Grant-sponsored workshop or training (i.e., by an educator/extension agent), b) as well as the number of students reached by teachers who have utilized information from a Sea Grant workshop/training.

Why

- This metric demonstrates the number of Preschool through 12th grade (P-12) students who have increased environmental literacy by attending a Sea Grant-sponsored event or were reached by teachers who have utilized information in the year that they receive Sea Grant training.
- The information has been used in responses to requests the national office received from NOAA, DOC, OMB and the Hill. The values are used in factsheets and on the website to help tell the SG story.

Sea Grant-Sponsored/Organized Events

What

- Report the number of events in which Sea Grant support was integral (e.g., planning/financial/personnel contributions).

Why

- This metric indicates the scale of Sea Grant outreach as it provides the number of meetings, workshops, festivals, conferences, etc. in which Sea Grant played an integral role.
- The information has been used in responses to requests the national office received from NOAA, DOC, OMB and the Hill re: SG interaction and outreach with communities. The values are used in factsheets and on the website to help tell the SG story.

Attendees at Sea Grant-Sponsored/Organized Events

What

- Report the estimated number of attendees at the events counted in the preceding metric (i.e., events in which Sea Grant support was integral via its planning/ financial/ personnel contributions).

Why

- This metric also demonstrates the scale of Sea Grant outreach as it includes the estimated number of attendees at the events counted in the preceding metric.
- The information has been used in responses to requests the national office received from NOAA, DOC, OMB and the Hill. The values are used in factsheets and on the website to help tell the SG story.

Public or Professional Presentations

What

- Report the estimated number of presentations given by Sea Grant staff regarding Sea Grant-funded research.

Why

- This metric indicates efforts to share Sea Grant research; it is the number of presentations given by Sea Grant staff or regarding Sea Grant-funded research.
- The information has been used in responses to requests the national office received from NOAA, DOC, OMB and the Hill. The values are used in factsheets and on the website to help tell the SG story.

Attendees at Public or Professional Presentations

What

- Report the estimated number of attendees at the presentations counted in the previous metric (i.e., a presentation given by a Sea Grant staff member).

Why

- The estimated number of attendees at the presentations indicates the size of the audience reached by the preceding metric.
- The information has been used in responses to requests the national office received from NOAA, DOC, OMB and the Hill. The values are used in factsheets and on the website to help tell the SG story.

Clean Marina certifications

What

- This metric is used to track the number of newly certified or recertified marinas by the Clean Marina Program as a result of Sea Grant activities.
- The Clean Marinas Program is an ongoing endeavor, by a marina industry alliance, determined to provide environmentally clean facilities and protect the states' coastal and inland waters from pollution through compliance of best management practices.
- Clean Marina is a voluntary compliance program that stresses environmental and managerial best management practices that exceed regulatory requirements. A facility must meet all legal regulatory requirements and a percentage of voluntary best management practices to become a certified Clean Marina.

Why

- This metric tracks Sea Grant efforts to provide clean facilities to the boating community and protect waterways from pollution through Clean Marina certifications or recertification's awarded as a result of Sea Grant activities.
- The information has been used in responses to requests the national office received from NOAA, DOC, OMB and the Hill. The values are used in factsheets and on the website to help tell the SG story.

HACCP Training for Certifications

What

- Report the number of individuals certified in Hazard Analysis Critical Control Point (HACCP) due to Sea Grant efforts.
- Sea Grant Programs provide HACCP training (we don't issue certifications). Technically, the certificates of training completion are issued by the Association of Food and Drug Officials, not Sea Grant Programs.

Why

- This metric demonstrates Sea Grant's effort to train professionals to identify and prevent hazards that could cause foodborne illnesses through the number of HACCP certifications awarded as a result of Sea Grant activities.
- Sea Grant offers required standardized training that enables people to meet the FDA training requirement in the seafood HACCP regulation. The certificates of training completion are issued by the FDA AFDO.
- Information is reported to OAR and NOAA annually (AOP). The information has been used in responses to requests the national office received from NOAA, DOC, OMB and the Hill. The values are used in factsheets and on the website to help tell the SG story.

Sea Grant Publications

- January 2022
 - official launch of the Sea Grant Collection and new submission procedures
- Three submission methods:
 - Peer-reviewed journal articles
 - Not peer-reviewed journal articles
 - Other documents



The Sea Grant Collection

This page provides information on submitting and accessing publications funded and/or authored by Sea Grant. Until 2021, the Sea Grant Collection was held by the National Sea Grant Library at University of Rhode Island (URI). Sea Grant is currently updating and transitioning its digital collection to the NOAA Central Library.

Status Update (1/4/2022): National Sea Grant Office staff is working with URI on the transition of archived materials to the NOAA Library. NSGO has launched new submission procedures for all Sea Grant documents, effective January 1, 2022. Programs are encouraged join a Sea Grant Collection information session on Thursday, January 6, 2022, from 3:00PM to 4:30PM (EST). Sea Grant Collection staff will provide additional trainings and information sessions for Sea Grant Programs throughout January 2022.

Access the [Sea Grant Collection](#)

Find Sea Grant funded and authored journal articles, reports, educational materials, and more. Locate publications by keyword, grant number, or Sea Grant Program, or simply browse the collection.

Submit Publications to the Sea Grant Collection

For Sea Grant affiliated faculty and staff only. Log in to view submission forms and guidelines.

Login

Sea Grant Publications



The Sea Grant Collection consists of selected technical reports, technical memorandums and other documents pertaining to research funded by the NOAA, National Sea Grant College Program. The emphasis of these documents is on the responsible environmental stewardship and management of the United States' coastal, marine, and Great Lakes resources. For a complete collection of Sea Grant publications, researchers should refer to the National Sea Grant Library, a digital library and official archive for Sea Grant documents.

[Export Citations](#)

1 - 20 of 1582 Results

View: Sort By:

Year Published

2022	1
2021	13
2020	46
2019	74
2018	120

[More](#)

Sea Grant Program

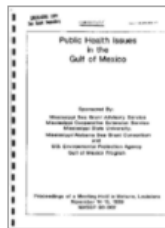
AKU (Alaska Sea Grant)	12
CASG/CUIMR (California S...	65
CONN (Connecticut Sea ...	17
DELU (Delaware Sea Grant)	11
FLSGP (Florida Sea Grant)	19


[More](#)

NOAA Program & Office

AFSC (Alaska Fisheries Sci...	11
AQML (Atlantic Oceanogra...	5

Public health issues in the Gulf of Mexico : proceedings of a Mississippi Sea Grant Advisory Service Workshop, November 14-15, 1989



Personal Author: Burrage, David
Corporate Authors: Mississippi-Alabama Sea Grant Consortium ; Mississippi Sea Grant Advisory Service ; ...
Published Date: 1990
Description: "The Environmental Protection Agency's Gulf of Mexico Program was established to provide a mechanism for addressing complex environmental problems the...
File Type:  [PDF - 1.28 MB]

Evaluation of salinity as a variable for use in habitat evaluation procedures (HEP) in estuarine and marine habitats



Personal Author: Homziak, Jurij ; Walrod, Michelle ;
Corporate Authors: Mississippi State University, Coastal Research and Extension Center, ; National Sea Grant Program (U.S.) ; ...
Published Date: 1989

Sea Grant Publications

What

- Report the number of peer-reviewed publications produced by Sea Grant.

Why

- The end product of scientific and engineering research is information, and Sea Grant research results are not realized until they are available to users in the marine community. To further the use and development of marine and coastal resources, NOAA encourages wide dissemination of the results of Sea Grant research and other activities. A major part of that dissemination occurs in the form of publications and other communications documents and products aimed at Sea Grant's various audiences
- This metric indicates the breadth of Sea Grant's research portfolio. These refereed documents are subject to rigorous peer-review and are usually written by the investigators for use by other scientists. Their quality is generally high and they represent an important scholarly contribution to the wise use and development of marine resources.
- As a science agency, NOAA takes publications seriously, as such pubs are reported to OAR and NOAA yearly (AOP). The information has been used in responses to requests the national office received from NOAA, DOC, OMB and the Hill. The values are used in factsheets and on the website to help tell the SG story.

Additional Metrics Collected Outside of PIER

- Number of walk-in visitors to SG supported science centers
 - ORSG: Hatfield Marine Science Center
 - OHSO: Aquatic Visitors Center
 - MS-AL SG: Dauphin Island Sea Lab & Estuarium
 - MISG: Belle Isle Aquarium
 - HISG: Hanauma Bay Nature Preserve
 - GASG: UGA Marine Science Center
- Information is reported to the NOAA Education office contributing in capturing all of NOAA's efforts in this area.
- Educators work closely with universities, the NOAA Office of Education, the National Marine Educators Association and other partners to develop informal and formal education programs, workforce training and professional education programs.

Resources

Policy and Guidance

---- Inside Sea Grant webpage: <https://seagrant.noaa.gov/insideseagrant/Reporting-Evaluation>

Questions about guidance or reporting?

---- Basecamp PIER Group

---- Send email to Susan.Holmes@noaa.gov

Economics Community of Practice Questions?

---- Send email to Alicon.Krepp@noaa.gov

Issues with PIER?

---- Send email to oar.sg.info-admin@noaa.gov

PIER User Manual: <https://pier.seagrant.noaa.gov/Public/documents/UserManual.pdf>



Access to PIER

Do you need to gain access to PIER?

A new user should make the request to their own program's management team before the request goes to the NSGO. Once approval from the program's management team is determined, please follow the below procedure:

1. A member of the program's management team needs to send an email to: oar.sg.info-admin@noaa.gov requesting PIER access, and
2. The new user needs to register in PIER (<https://pier.seagrant.noaa.gov>).



Access will not be granted to new users without approval from their program's management team.

A scenic view of a coastline framed by trees, with the word "Questions?" overlaid in white text. The image shows a sandy beach, a rocky cliffside, and the ocean, viewed through a dense forest of evergreen trees. The text is centered in the middle of the image.

Questions ?