

# The Ocean Health Index Inform Phase

## Contents

0.1	Outreach and Communications Strategy . . . . .	1
0.1.1	Communications Strategy . . . . .	1
0.1.2	Outreach Strategy** . . . . .	2
0.2	Disseminate Findings . . . . .	2
0.3	Communicate Results with Partners and Others . . . . .	3
0.4	Outcomes of OHI+ . . . . .	3
0.5	Develop Strategies: Implement Policies and Management Interventions that Respond to the Priorities . . . . .	5
0.5.1	Lessons learned from U.S. West Coast Assessment: . . . . .	5
0.6	Monitor and Re-evaluate to Determine Policy Effectiveness and Set New Priorities . . . . .	6

## 0.1 Outreach and Communications Strategy

It is important to have a clear communications strategy for how you will communicate the results of your assessment to your various audiences. You will want to tailor your message and platform to your various audiences, choosing the tools that will best suit your objective or call to action for each group. In order to do this, it is helpful to revisit your stakeholders analysis and identify key messages and recommendations that are relevant to relevant to each group.

In terms of influencing policy change, in addition to highlighting key findings of specific geographies and goals, it is important to **provide recommendations to decision-makers and managers about interventions and policies that can help improve goal scores.**

Keeping this in mind, you must then develop your communications and outreach strategy.

Your strategy will consist of both the creation of materials to communicate the findings of the assessment as well as an outreach plan that details how you will position yourself with your various audiences to gain leverage.

### 0.1.1 Communications Strategy

The following materials will be needed to influence decision making:

- Summary of findings: present paper findings to wider audience, press, managers, and various decision-makers
- Policy paper/report/memos: provide recommendations to key decision-makers. Provide clear recommendations on data and knowledge gaps, priority geographies and themes, and management interventions to address pressures and resilience
- Website: in local language(s) and English (optional). For this, we have developed an free website publisher tool for you to use. If you are interested in using this template, please contact [programs@oceanhealthindex.org](mailto:programs@oceanhealthindex.org).
- Fact-sheets & printed materials

### 0.1.2 Outreach Strategy\*\*

Examples of how to increase your presence include:

- Stakeholder workshops and/or town hall meetings: present findings, develop a strategic plan of next steps, evaluate different management scenarios.
- Work with network of decision-makers who were part of the planning team to organize public meetings, hearing, inter-agency meetings
- Consider perspective of the decision-maker: clarify issue and why of interest, highlight action to take and the relevant science to support the action
- Maintain engagement in the decision-making process: councils, partnerships with stakeholders, periodic meetings with technical working groups and government agencies
- Provide clear recommendations and courses of actions that create the conditions to sustainably maximize ocean productivity
- Clearly articulate geographic priorities and sectorial problems affecting local oceans
- Be available to support ocean and coastal resource management planning and/or policy development processes

## 0.2 Disseminate Findings

Once assessments have been completed it is critical to spend just as much time and energy planning how you will communicate the findings of your assessment to your multiple audiences.

Since one of the main purposes of running an assessment is to inform decision-making, it is imperative that the results be properly communicated in reports or scientific publications. To do this, first consider how these decisions are made and the people that make them. In order to effectively convey your findings to this demographic, you must package it in a way that is compatible with an ecosystem-based management approach.

An ecosystem-based management approach outlines a series of principles to guide management towards long-term sustainability of, in this case, marine and coastal ecosystems. This information seeks to assist decision makers in taking steps toward sustainably managing their coastal resources. For more information on how to set up and implement an ecosystem-based management approach, consult the guide at [www.unep.org/pdf/GPA/Ecosystem\\_based\\_Management\\_Markers\\_for\\_Assessing\\_Progress.pdf](http://www.unep.org/pdf/GPA/Ecosystem_based_Management_Markers_for_Assessing_Progress.pdf) created by the United Nations Environment Program.

When disseminating the results of your assessment to policy makers, focus on the main threats for each goal as well as proposed actions to increase resilience scores. Remember, your audience may not have a solid background on the subject you are discussing so you will have to create reports that are quickly and clearly state the issues and solutions you have identified.

When identifying ways to increase resilience scores, it can be helpful to run a few scenarios that would illustrate how scores might react to various policy changes.

It is crucial to the success of these assessments to consistently re-assess your study region on an annual basis to see how it is responding to management decisions. It is only through continued monitoring of these resources that you will better understand how effective your management strategy and policies are and it is only through effective communication that informed decisions can be made.

For a list of OHI+ publications go to the [Resources](#) page.

### 0.3 Communicate Results with Partners and Others

It is important to begin your communications with a strategy. The first thing you'll want to do is go back to your stakeholder analysis, breaking your stakeholders up into different groups. A good way to group your stakeholders is by their objectives. Think about the different needs of each group of your stakeholders. What information does each group need from you to meet their objectives or to perform your desired action/outcome? These groups should include decision makers, funders, the general public/news outlets, as well as other stakeholders that are important to your assessment. The quickest way to create these groups is to look back at your stakeholder management sheet at [http://www.mindtools.com/pages/article/newPPM\\_08.htm](http://www.mindtools.com/pages/article/newPPM_08.htm).

Once you have identified your different groups and clarified the objectives for each, begin brainstorming different channels you can use for your communications and sorting them by which would be most appropriate for each group. For example, stakeholders involved in decision making and planning that you would like to help engage in informed management actions would be more receptive to a well-laid out report rather than a newsletter, article or social media post.

After selecting the proper communication tool for each group, begin planning the messages for each group. Here it might be helpful to start with the broadest group and end with the most specific. For each group, aim to answer questions such as: What are the main facts that the audience needs to know? How much background does your audience already have on this topic? When will these facts need to be communicated? What is the best channel to reach the audience?

Make sure that each message is tailored to specifically cover the needs of your audience. For example, what are the absolutely necessary facts that a policy maker will need to know from your assessment to help them better manage your marine resources? How can you convey this information in the most direct, easily accessible way? This message will vastly differ from the one sent to the general public, whose main aim will be to increase awareness of ocean health and resource management. For examples, a past Ocean Health Index Global Assessment press release can be found at [www.pacificlifecorp.com/content/dam/pacificlifecorp/public/about\\_pacific\\_life/foundation\\_community/strategic\\_focus/health/index\\_global\\_assessment\\_press\\_release.pdf](http://www.pacificlifecorp.com/content/dam/pacificlifecorp/public/about_pacific_life/foundation_community/strategic_focus/health/index_global_assessment_press_release.pdf) and the report for policy makers from our West coast case study can be found at [www.oceanhealthindex.org/Apps/OHI/Vault/OHI\\_WestCoastCaseStudy.pdf](http://www.oceanhealthindex.org/Apps/OHI/Vault/OHI_WestCoastCaseStudy.pdf).

It is important to remember that you may also want to include some of your stakeholders in this process. Partnering with some of your stakeholders might give you access to a broader demographic to help you amplify your message. You may also reach out to the Ocean Health Index team to collaborate on ways that they can help you amplify your message.

For more information on how to identify and communicate with various stakeholders, use planning and strategy tools such as the ones listed under “Communications Skills” at [www.mindtools.com/](http://www.mindtools.com/).

### 0.4 Outcomes of OHI+

Goal scores are calculated for each region separately and then combined to produce an overall Index score for the region. Index scores are combined using an area-weighted average to produce the Index score for the overall study area.

Scores can then be visualized to communicate the results to stakeholders. For example, the **flower plot** shown in the figure demonstrates a useful way to represent OHI scores. Goal or sub-goal scores are shown around the outside of the plot. The length of each ‘petal’ represents the goal score, while the width of each petal represents the relative weighting of the goal or sub-goal. Sub-goals are weighted equally by default, as shown here, but can change depending on the regional context.

Clear communication and transparency of the process are fundamental to the Ocean Health Index overall.

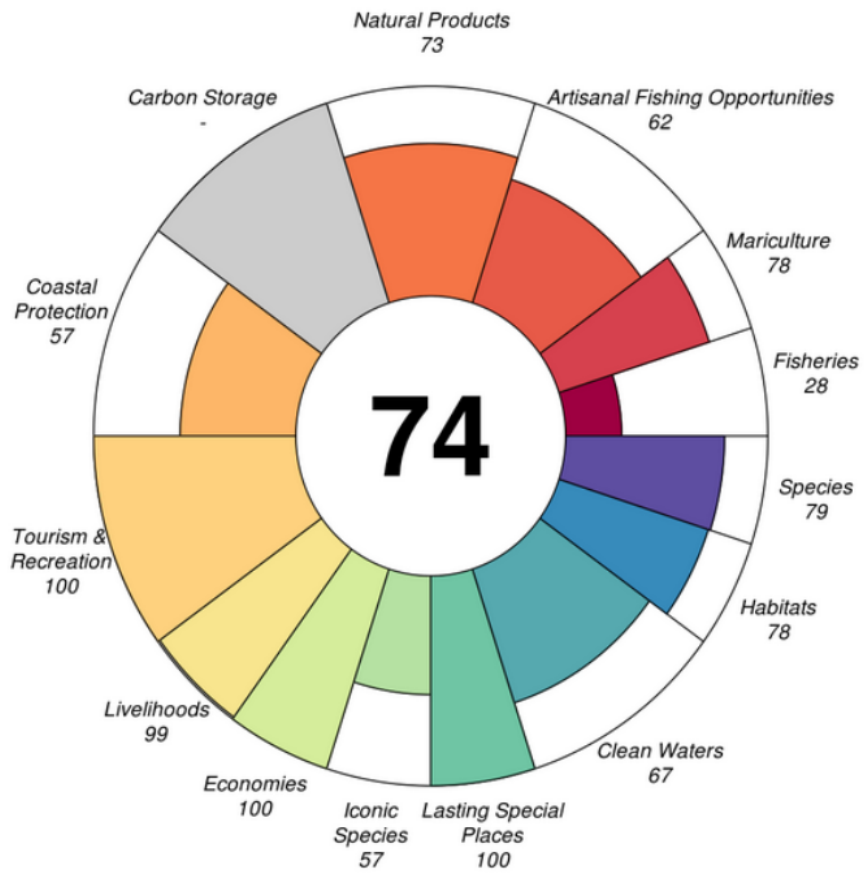


Figure 1: Scores for Ecuador (ECU) as displayed in a flower chart on the the OHI WebApp. The length of a petal indicates the score for the goal or sub-goal, and the width of the petal indicates the goal or sub-goal weighting.

## 0.5 Develop Strategies: Implement Policies and Management Interventions that Respond to the Priorities

A well-designed and executed Ocean Health Index assessment should provide important information to stakeholders and decision-makers. In most cases the assessment findings can be used to identify geographic priorities among the regions assessed and sectorial priorities, both within the regions and for the entire study area. The technical team who conducted the assessment should work in collaboration with decision-makers to assess several management scenarios to determine how the Index can be used to identify cost-effective interventions, and to understand the tradeoffs among goals and the consequences for overall ocean health.

You should consider involving stakeholders to develop and implement an **action plan**. Much like you planned for your assessment, you must now plan for the actions and policies you will enact to reduce pressures and increase resilience, the two possible pathways to improving ocean health and thus moving closer towards your targets.

### 0.5.0.1 Resources

- [Conservation Gateway: Conservation Action Planning](#)
- [Conservation Action Planning Handbook](#)

### 0.5.1 Lessons learned from U.S. West Coast Assessment:

The intent of these analyses is not to model precise changes but rather to illustrate expected types and relative magnitudes of change across goals. Rather than being prescriptive, these scenarios provide a powerful decision-support tool that can be used to explore the consequences of management decisions. Realistic implementation of these decisions requires engagement with decision-makers, normative decisions about management goals, fine-tuning of assumptions, and model-based simulations of future conditions. Scenarios intended to inform decision-making at various spatial scales would benefit from vetting model assumptions through a planning process, and require that the Index be applied at the relevant spatial scale. The scenarios demonstrate several key aspects of the Index relevant to decision makers: one) it responds quickly to management actions, giving initial ‘credit’ for those actions, and then further responds over time as the system (social, economic, and ecological) changes; two) tradeoffs inherent in many decisions are captured by the Index (either explicitly as they are built into the Index or implicitly as they would emerge after management actions); and three) the Index allows one to compare very different management actions in a transparent and quantitative way across different reporting regions, thus supporting strategic decision-making. The magnitude of expected change in the Index will necessarily be related to the scale of management action relative to the scale of assessment.

Such scenario analyses are also a key way that the Index can be used to explore potential implications of climate change on ocean health. Because the Index does not model the future, it cannot predict future ocean health. Instead, dynamic process models can be used to simulate ecological and social conditions, and then these results can be fed in as input parameters for calculating an alternate Index score. In this case, the Index can be used to indicate the likely overall ocean health in the future under status quo conditions and a changing climate. Scenario analyses also illustrate how the Index can be used to identify and understand tradeoffs among goals. Some of these known tradeoffs are built into the architecture of the Index, for example in how increased (sustainable) fishing produces higher scores for food provision but lowers other goals due to its negative pressure on them.

As you consider courses of management and policy action, it might be also beneficial to consider the cost-effectiveness of each intervention – that is, what actions will yield the greatest benefits for the fewest amount of resources. Your scenario analysis will provide you with valuable information on the actions that will influence your scores the most, for example: reducing land-based runoff, improving area and condition of mangroves, increasing protection of species and special places, etc. Once you have identified these actions, you should order rank them based on both the effectiveness and their cost. This exercise will allow you to identify the most cost-effective management actions, which increases the utility of your conservation funds.

## 0.6 Monitor and Re-evaluate to Determine Policy Effectiveness and Set New Priorities

If the Index were adopted as a management tool, recalculating scores regularly could reveal whether management actions had the intended effect on both overall ocean health and particular goals. This objective demonstrates the power (and necessity) of having a quantitative, repeatable, transparent and comprehensive method for the assessment. We also highlight the importance of ongoing and future monitoring that will provide robust data relevant to ocean health assessment.

Other more complex, emergent tradeoffs become visible only when the Index is measured over time and one can track how goal scores change in similar or opposite directions. Because of the complexity of ecosystem responses, full attribution of a change in one goal causing a change in another goal is difficult, but such patterns can provide insight on where to direct further exploration of such possible tradeoffs. The ability to calculate past status scores, and then correlate changes in the Index with past management actions, illustrates a key way it can be used to assess management effectiveness. If the Index were adopted as a management tool, recalculating scores regularly could reveal whether management actions had the intended effect on both overall ocean health and particular goals. This objective demonstrates the power (and necessity) of having a quantitative, repeatable, transparent and comprehensive method for assessment. Therefore, you should plan to conduct Ocean Health Index assessments on regular intervals (every year, two years, five years, etc.) This will allow you to determine the effectiveness of your ocean health interventions and will help inform adaptive management strategies: an iterative management process where your actions are constantly adapting to the changing environment. See [http://www.fs.fed.us/pnw/pubs/pnw\\_gtr654.pdf](http://www.fs.fed.us/pnw/pubs/pnw_gtr654.pdf).