Ocean Health Index WebApps

As you are starting a regional assessment, it is important to be familiar with the Ocean Health Index Toolbox, which will be the organizational structure and data template for your assessment. Your starting point will be a web-based version of the Toolbox Application (a **Web Application**, or **WebApp**). Your WebApp can be found at a URL with your study area's name, for example:
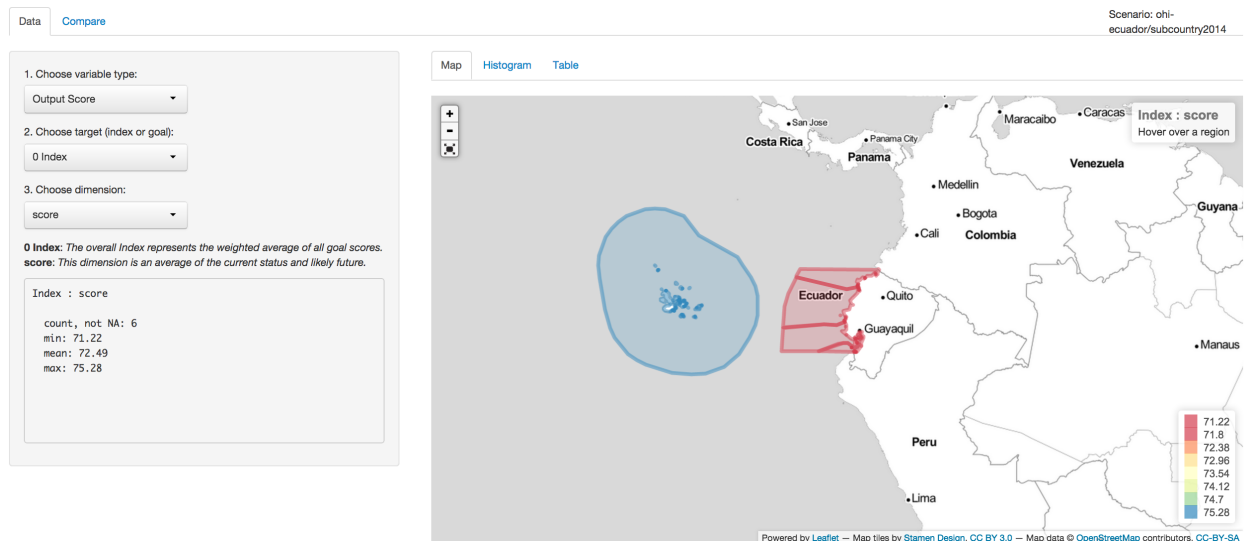
   ohi-science.shinyapps.io/ecuador.

See the lookup table below if you have trouble finding your study area's WebApp.

1   Orientation

1.1   Data Page

The Toolbox WebApp will be on the **Data page** upon loading and will look like this:

The *Map* tab shows the study area (Ecuador) with its subcountry regions as identified by the Global Administrative Areas gadm.org: El Oro, Guayas, Manabi, Galápagos and Esmeraldas. When you move your cursor over the map's regions, the region's name will appear in the top right corner of the map.

It is also possible to see each region in a distribution on the *Histogram* tab and numerically on the *Table* tab.
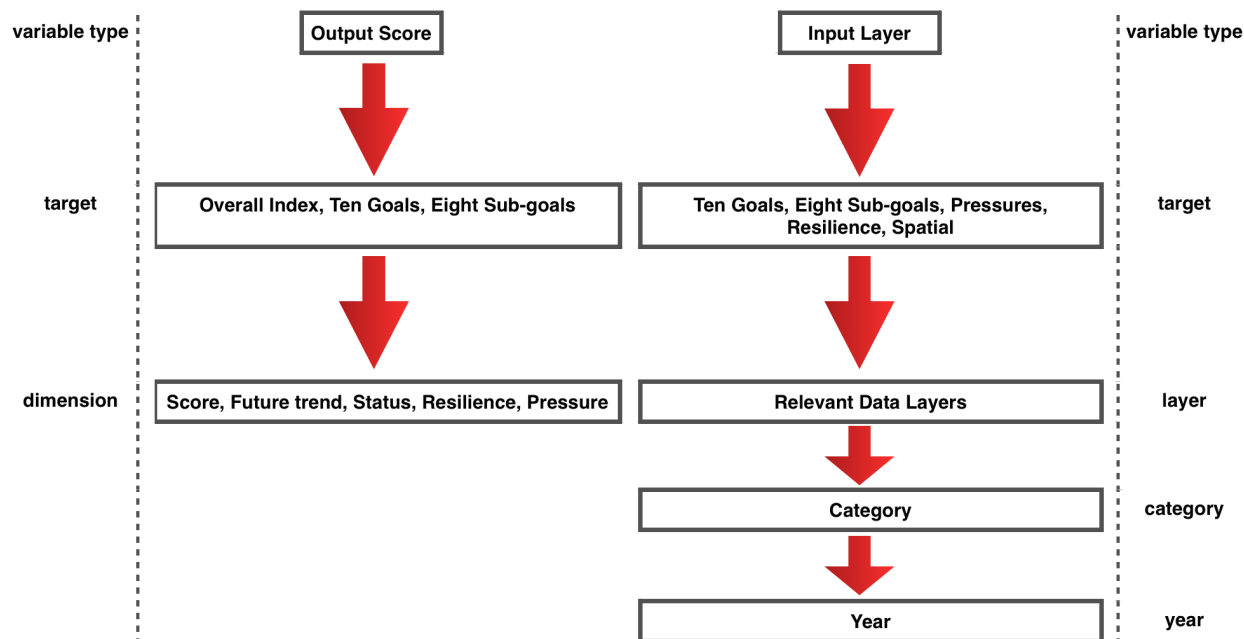
1.1.1   Display options

The left panel has several drop-down menus that indicate the information being displayed:

- choose between calculated Output Scores or prepared Input Layers from the first drop-down menu ('Choose variable type')
- select the target goal or Index to display from the second drop-down menu ('Choose target (index or goal)')
- choose the output score's dimension or the input layer's data, depending on which has been selected in the first drop-down menu.

- additional drop-down menus will appear, depending on the selections in the first two pull-down menus.

After selecting, you will be able to view these data in any of the three tabs (*Map, Histogram, Table*). The following figure describes the drop-down menu options you will encounter:

Information is presented just below the drop-down menus, including a description of the score or data, with a summary of the data and a source, in the case of Data Layers.

1.1.2 Template data and scores

Input data and calculated scores provided in your WebApp are a template and should be updated with local information wherever possible. This will provide a much more accurate picture of ocean health in your study area, including comparisons between subcountry regions.

Data from the global assessment have been extracted for your study area and assigned to the subcountry regions within your study area, and scores have been calculated using these data. In most cases, data have been applied equally across all regions within your study area, except for some layers that were based on spatial data and were extracted individually by region. For example, compare these two input data layers:

    Input Layer > Mariculture > Coastal population inland 25 kilometers

and

    Input Layer > Mariculture > Mariculture sustainability score

and notice that *Coastal population inland 25 kilometers* has different values across all regions and *Mariculture sustainability score* has the same value across all regions. This is because of nature of the data used in the global assessment: *Coastal population inland 25 kilometers* was spatial data that could be extracted at any scale (i.e. subcountry regions) and *Mariculture sustainability score* was tabular data that has been applied equally across all regions.

The highest priority for substituting local data for these template data should be the data layers that were applied equally across all regions.

1.2 Compare page

The **Compare page** allows you to visually track updates to data layers and scores as you modify the input layers and recalculate the scores by running the Toolbox. While not useful initially as you are just beginning your assessment, this will become very valuable to check your progress and to share with collaborators.

2 Lookup table of WebApp URLs

WebApps have been created for most coastal countries and territories. If you do not see your study area, please contact lowndes@nceas.ucsb.edu.

Country	URL_webapps
Albania	https://ohi-science.shinyapps.io/albania
Algeria	https://ohi-science.shinyapps.io/algeria
American Samoa	https://ohi-science.shinyapps.io/american_samoa
Angola	https://ohi-science.shinyapps.io/angola
Anguilla	https://ohi-science.shinyapps.io/anguilla
Antigua & Barbuda	https://ohi-science.shinyapps.io/antigua_and_barbuda
Argentina	https://ohi-science.shinyapps.io/argentina
Aruba	https://ohi-science.shinyapps.io/aruba
Australia	https://ohi-science.shinyapps.io/australia
Bahamas	https://ohi-science.shinyapps.io/bahamas
Bahrain	https://ohi-science.shinyapps.io/bahrain
Bangladesh	https://ohi-science.shinyapps.io/bangladesh
Barbados	https://ohi-science.shinyapps.io/barbados
Belgium	https://ohi-science.shinyapps.io/belgium
Belize	https://ohi-science.shinyapps.io/belize
Benin	https://ohi-science.shinyapps.io/benin
British Indian Ocean Territory	https://ohi-science.shinyapps.io/british_indian_ocean_territory
British Virgin Islands	https://ohi-science.shinyapps.io/british_virgin_islands
Brunei	https://ohi-science.shinyapps.io/brunei
Bulgaria	https://ohi-science.shinyapps.io/bulgaria
Cambodia	https://ohi-science.shinyapps.io/cambodia
Cameroon	https://ohi-science.shinyapps.io/cameroon
Cape Verde	https://ohi-science.shinyapps.io/cape_verde
Cayman Islands	https://ohi-science.shinyapps.io/cayman_islands
Christmas Island	https://ohi-science.shinyapps.io/christmas_island
Cocos Islands	https://ohi-science.shinyapps.io/cocos_islands
Colombia	https://ohi-science.shinyapps.io/colombia
Costa Rica	https://ohi-science.shinyapps.io/costa_rica

Country	URL_webapps
Croatia	https://ohi-science.shinyapps.io/croatia
Cuba	https://ohi-science.shinyapps.io/cuba
Cyprus	https://ohi-science.shinyapps.io/cyprus
Democratic Republic of the Congo	https://ohi-science.shinyapps.io/democratic_republic_of_the_congo
Denmark	https://ohi-science.shinyapps.io/denmark
Dominica	https://ohi-science.shinyapps.io/dominica
Dominican Republic	https://ohi-science.shinyapps.io/dominican_republic
East Timor	https://ohi-science.shinyapps.io/east_timor
Egypt	https://ohi-science.shinyapps.io/egypt
El Salvador	https://ohi-science.shinyapps.io/el_salvador
Equatorial Guinea	https://ohi-science.shinyapps.io/equatorial_guinea
Falkland Islands	https://ohi-science.shinyapps.io/falkland_islands
France	https://ohi-science.shinyapps.io/france
French Guiana	https://ohi-science.shinyapps.io/french_guiana
French Polynesia	https://ohi-science.shinyapps.io/french_polynesia
Gabon	https://ohi-science.shinyapps.io/gabon
Gambia	https://ohi-science.shinyapps.io/gambia
Germany	https://ohi-science.shinyapps.io/germany
Ghana	https://ohi-science.shinyapps.io/ghana
Gibraltar	https://ohi-science.shinyapps.io/gibraltar
Greece	https://ohi-science.shinyapps.io/greece
Greenland	https://ohi-science.shinyapps.io/greenland
Grenada	https://ohi-science.shinyapps.io/grenada
Guatemala	https://ohi-science.shinyapps.io/guatemala
Guinea	https://ohi-science.shinyapps.io/guinea
Guinea Bissau	https://ohi-science.shinyapps.io/guinea_bissau
Haiti	https://ohi-science.shinyapps.io/haiti
Honduras	https://ohi-science.shinyapps.io/honduras
Iceland	https://ohi-science.shinyapps.io/iceland
India	https://ohi-science.shinyapps.io/india
Indonesia	https://ohi-science.shinyapps.io/indonesia
Iran	https://ohi-science.shinyapps.io/iran
Ireland	https://ohi-science.shinyapps.io/ireland
Italy	https://ohi-science.shinyapps.io/italy
Jamaica	https://ohi-science.shinyapps.io/jamaica
Japan	https://ohi-science.shinyapps.io/japan

Country	URL_webapps
Jordan	https://ohi-science.shinyapps.io/jordan
Kuwait	https://ohi-science.shinyapps.io/kuwait
Lebanon	https://ohi-science.shinyapps.io/lebanon
Liberia	https://ohi-science.shinyapps.io/liberia
Libya	https://ohi-science.shinyapps.io/libya
Madagascar	https://ohi-science.shinyapps.io/madagascar
Malaysia	https://ohi-science.shinyapps.io/malaysia
Maldives	https://ohi-science.shinyapps.io/maldives
Malta	https://ohi-science.shinyapps.io/malta
Mauritius	https://ohi-science.shinyapps.io/mauritius
Mayotte	https://ohi-science.shinyapps.io/mayotte
Mexico	https://ohi-science.shinyapps.io/mexico
Montenegro	https://ohi-science.shinyapps.io/montenegro
Montserrat	https://ohi-science.shinyapps.io/montserrat
Morocco	https://ohi-science.shinyapps.io/morocco
Mozambique	https://ohi-science.shinyapps.io/mozambique
Myanmar	https://ohi-science.shinyapps.io/myanmar
Namibia	https://ohi-science.shinyapps.io/namibia
Nauru	https://ohi-science.shinyapps.io/nauru
Netherlands	https://ohi-science.shinyapps.io/netherlands
New Caledonia	https://ohi-science.shinyapps.io/new_caledonia
New Zealand	https://ohi-science.shinyapps.io/new_zealand
Nicaragua	https://ohi-science.shinyapps.io/nicaragua
North Korea	https://ohi-science.shinyapps.io/north_korea
Norway	https://ohi-science.shinyapps.io/norway
Pakistan	https://ohi-science.shinyapps.io/pakistan
Palau	https://ohi-science.shinyapps.io/palau
Panama	https://ohi-science.shinyapps.io/panama
Papua New Guinea	https://ohi-science.shinyapps.io/papua_new_guinea
Peru	https://ohi-science.shinyapps.io/peru
Philippines	https://ohi-science.shinyapps.io/philippines
Portugal	https://ohi-science.shinyapps.io/portugal
Reunion	https://ohi-science.shinyapps.io/reunion
Russia	https://ohi-science.shinyapps.io/russia
Saint Helena	https://ohi-science.shinyapps.io/saint_helena
Saint Lucia	https://ohi-science.shinyapps.io/saint_lucia

Country	URL_webapps
Saint Pierre & Miquelon	https://ohi-science.shinyapps.io/saint_pierre_and_miquelon
Saint Vincent & the Grenadines	https://ohi-science.shinyapps.io/saint_vincent_and_the_grenadines
Samoa	https://ohi-science.shinyapps.io/samoa
Sao Tome & Principe	https://ohi-science.shinyapps.io/sao_tome_and_principe
Saudi Arabia	https://ohi-science.shinyapps.io/saudi_arabia
Senegal	https://ohi-science.shinyapps.io/senegal
Seychelles	https://ohi-science.shinyapps.io/seychelles
Sierra Leone	https://ohi-science.shinyapps.io/sierra_leone
Singapore	https://ohi-science.shinyapps.io/singapore
Sint Maarten	https://ohi-science.shinyapps.io/sint_maarten
Slovenia	https://ohi-science.shinyapps.io/slovenia
Solomon Islands	https://ohi-science.shinyapps.io/solomon_islands
Somalia	https://ohi-science.shinyapps.io/somalia
South Africa	https://ohi-science.shinyapps.io/south_africa
S. Georgia & the S. Sandwich Islands	https://ohi-science.shinyapps.io/south_georgia_and_the_south_sandwich_islands
Sri Lanka	https://ohi-science.shinyapps.io/sri_lanka
Sudan	https://ohi-science.shinyapps.io/sudan
Suriname	https://ohi-science.shinyapps.io/suriname
Sweden	https://ohi-science.shinyapps.io/sweden
Syria	https://ohi-science.shinyapps.io/syria
Taiwan	https://ohi-science.shinyapps.io/taiwan
Tanzania	https://ohi-science.shinyapps.io/tanzania
Thailand	https://ohi-science.shinyapps.io/thailand
Tokelau	https://ohi-science.shinyapps.io/tokelau
Tonga	https://ohi-science.shinyapps.io/tonga
Trinidad & Tobago	https://ohi-science.shinyapps.io/trinidad_and_tobago
Tunisia	https://ohi-science.shinyapps.io/tunisia
Turkey	https://ohi-science.shinyapps.io/turkey
Turks & Caicos Islands	https://ohi-science.shinyapps.io/turks_and_caicos_islands
Tuvalu	https://ohi-science.shinyapps.io/tuvalu
United Arab Emirates	https://ohi-science.shinyapps.io/united_arab_emirates
United Kingdom	https://ohi-science.shinyapps.io/united_kingdom
Vanuatu	https://ohi-science.shinyapps.io/vanuatu
Venezuela	https://ohi-science.shinyapps.io/venezuela
Vietnam	https://ohi-science.shinyapps.io/vietnam
Wallis & Futuna	https://ohi-science.shinyapps.io/wallis_and_futuna

Country	URL_webapps
Western Sahara	https://ohi-science.shinyapps.io/western_sahara
Yemen	https://ohi-science.shinyapps.io/yemen