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2016 Ocean Health Index Global Assessment: Peru Profile

This document provides a brief summary of the results for Peru from the 2016 Ocean Health Index (OHI) Global Assessment.

Global results

As in previous years, this assessment updated datasets and methods to integrate new knowledge and information. The Index Global score for 2016, the Exclusive Economic Zone (EEZ) area weighted average of region (countries and territories) scores, is 71. This value did not vary statistically significantly from 2012 to 2016.

Several goals had significant changes:

Improving scores

- Lasting special places scores increased by an average of 0.5 points per year
- Artisanal opportunities scores increased by just over 0.15 points per year
- Species condition scores improved by a small, but statistically significant, 0.03 points per year

Declining scores

- Natural products declined by over 2.5 points per year on average
- Coastal protection declined by 0.12 points per year on average
- Clean waters declined by 0.15 points per year on average
- Species condition was ranked the goal with the highest score of 92, while mariculture was ranked the goal with the lowest score of 32.

For a detailed summary of global results visit: <http://www.oceanhealthindex.org/region-scores>

Methods and dataset updates

For 2016, all goals and subgoals were updated, except for livelihoods and economies and coastal protection (due to data availability limitations).

Additional years of data were available for the following goals/subgoals: artisanal opportunities, species condition, habitat and coastal protection (sea ice), mariculture, clean waters (land-based pollution), iconic species, lasting special places, natural products, tourism and recreation.

Improved data were available for the following goals/subgoals: fisheries, species condition (bird data are now included), clean waters (trash trends are calculated using actual trash data, rather than proxy population data), iconic species (trend is now directly estimated from data).

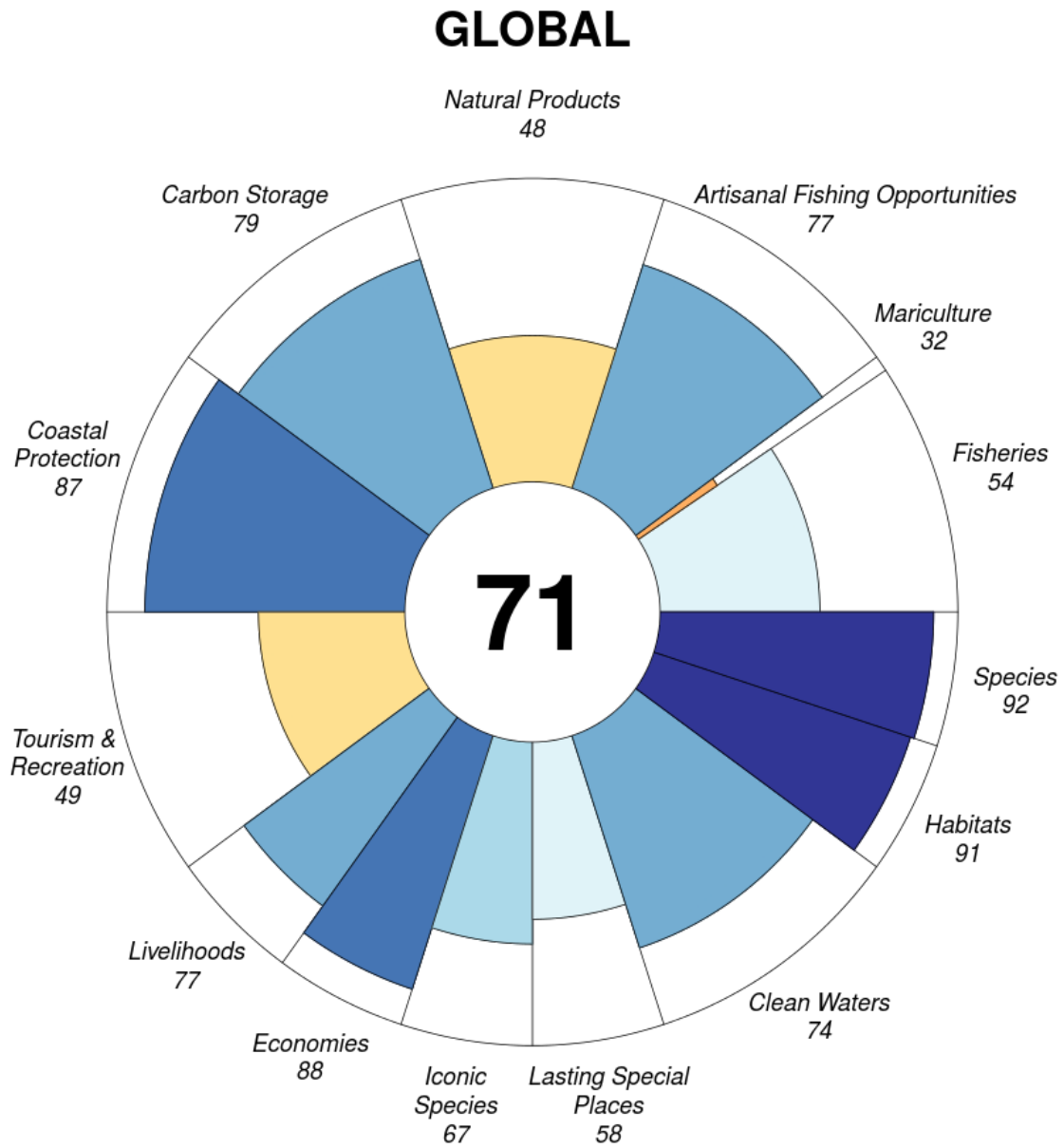


Figure 1: OHI 2016 Global Assessment Flower Plot

Pressures: Of the pressures data sets, 16 of the 20 pressure data layers were updated. Additional years of data for 7 pressures layers were added, and there were major improvements to source data for fisheries related pressures and sea level rise. Data from the Social Progress Index (<http://www.socialprogressimperative.org/global-index/>) was included as a “social” component of the pressure scores. **Resilience:** We restructured the resilience data within the OHI, so the data and calculations are more transparent and easier to understand and update. Data from the Social Progress Index (<http://www.socialprogressimperative.org/global-index/>) was added as a “social” component of resilience scores. Only two resilience data layers were updated: species condition and marine protected areas.

For detailed explanation of methods visit: <http://www.oceanhealthindex.org/methodology>

Peru’s Results

The 2016 Index score for Peru is of 61. Ranking 173 out of 221 countries and territories assessed.

2012-2016 Scores for Peru Using 2016 Methods

goal	2012	2013	2014	2015	2016
Index	66	66	64	62	61
Artisanal Fishing Opportunity	75	75	75	75	75
Species	90	90	90	90	90
Biodiversity	83	83	83	83	83
Habitats	77	77	77	77	77
Coastal Protection	56	56	56	56	56
Carbon Storage	56	56	56	56	56
Clean Waters	60	61	60	59	60
Coastal Economies	32	45	45	45	45
Livelihoods and Economies	54	63	63	63	63
Coastal Livelihoods	76	81	81	80	80
Wild Caught Fisheries	85	74	69	46	40
Food Provision	84	73	69	46	39
Mariculture	28	37	36	30	35
Iconic Species	67	68	68	69	67
Sense of Place	74	74	68	67	65
Lasting Special Places	80	80	68	65	62
Natural Products	92	95	96	96	88
Tourism and Recreation	21	18	17	19	20

Improving scores

- Clean waters and tourism and recreation scores increased by 1 point each
- Mariculture increased by 5 points

Declining scores

- Wild Caught Fisheries decreased by 6 points
- Sense of place decreased by 2 points
- Natural products decreased by 8 points

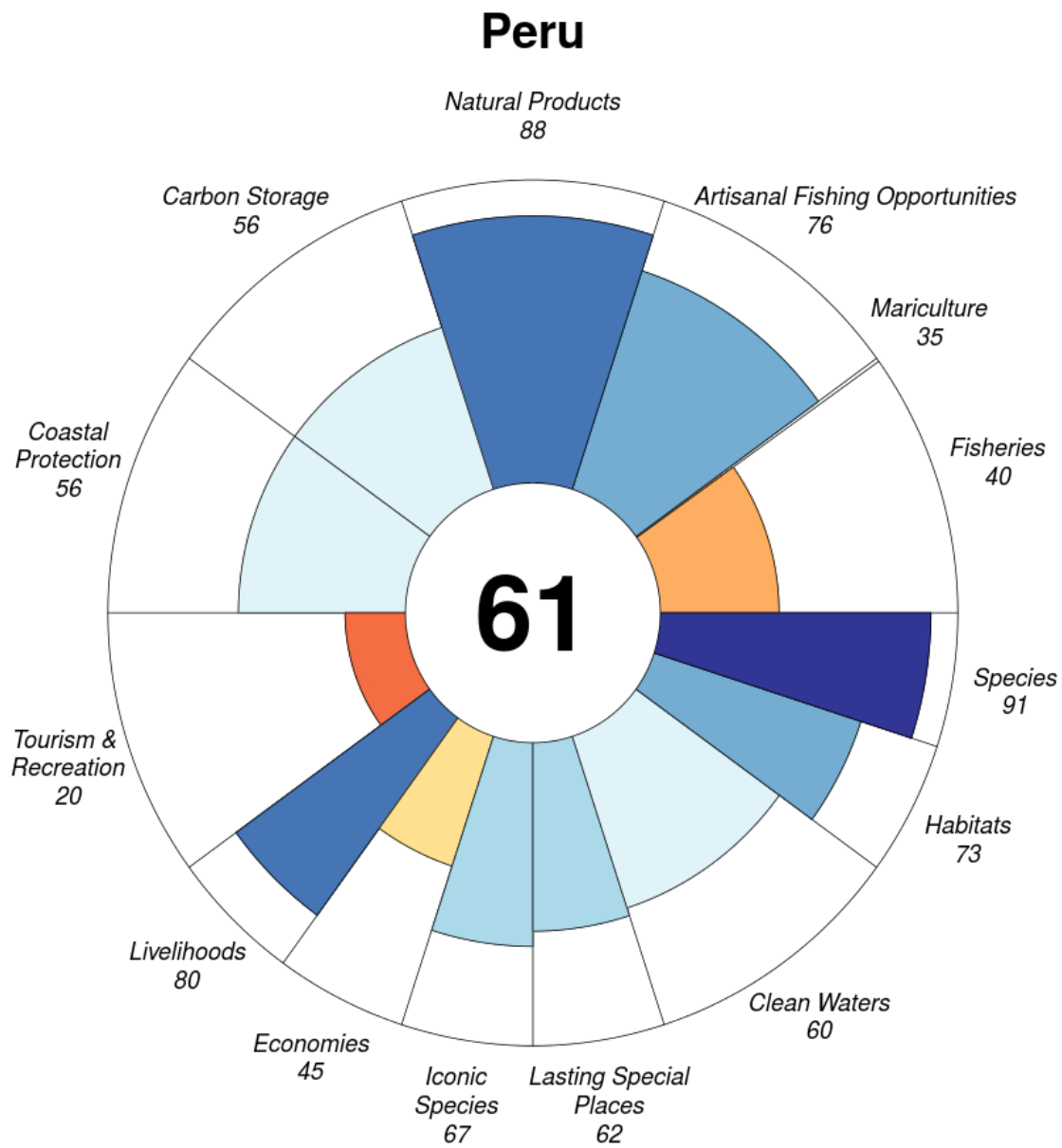


Figure 2: OHI 2016 Global Assessment: Peru's Flower Plot

Explanation of Peru's scores

The overall score for Peru is 61, which is 1 point lower than in 2015. This is mostly due to a significantly lower score in Natural Products. The score for this goal decreased the most due to decreases in seaweed, fish oil, and ornamentals harvesting, according to FAO data. Since this goal uses a maximum sustainable yield reference point, underharvesting of resources is penalized.

For a detailed summary of Country results visit: <http://www.oceanhealthindex.org/region-scores/scores/peru>