

# Contents

<b>2016 Ocean Health Index Global Assessment: Madagascar Profile</b>	<b>1</b>
Global results . . . . .	1
Methods and dataset updates . . . . .	1
Madagascar's Results . . . . .	3

## 2016 Ocean Health Index Global Assessment: Madagascar Profile

This document provides a brief summary of the results for Madagascar 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).

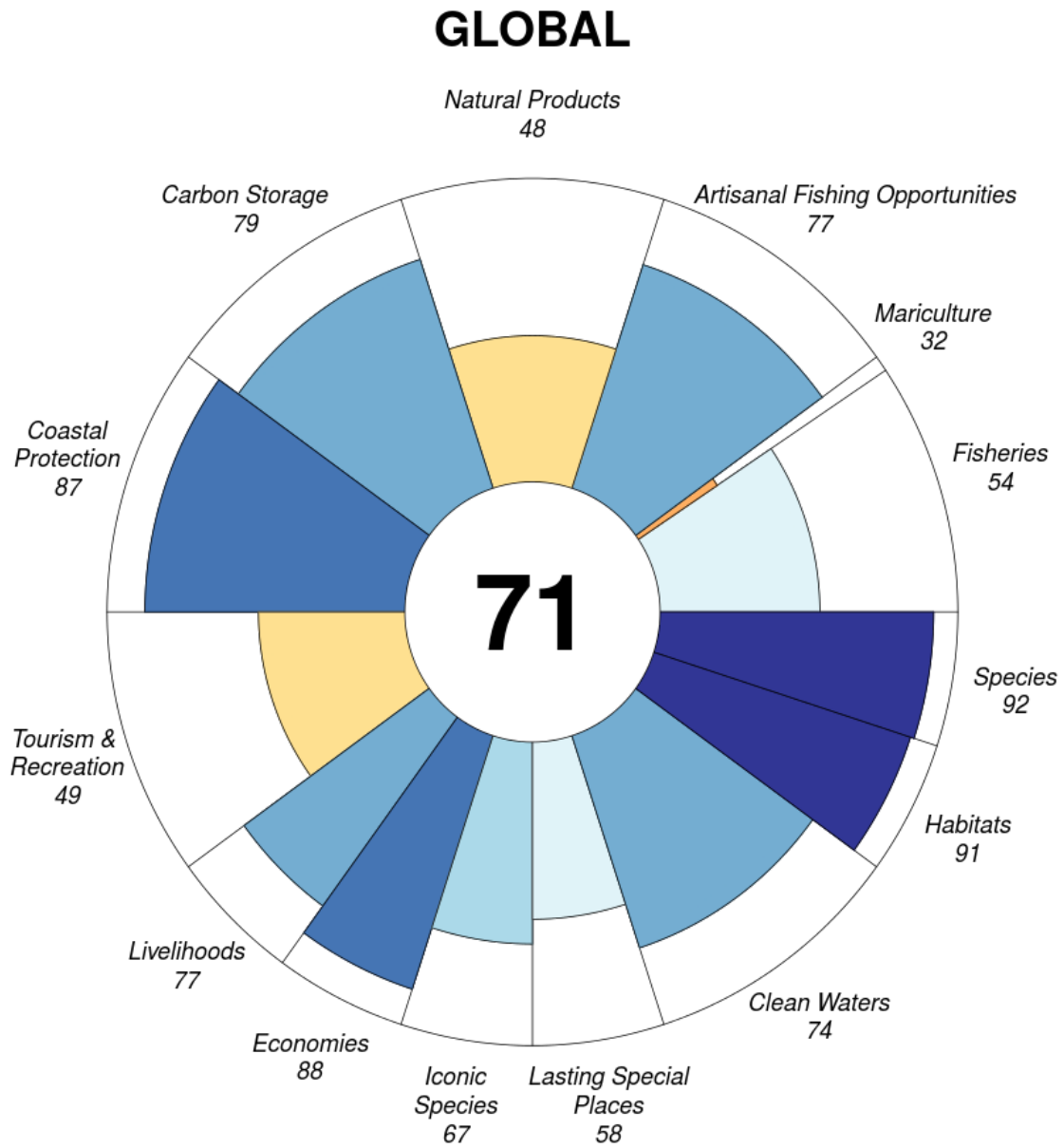


Figure 1: OHI 2016 Global Assessment Flower Plot

**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>

## Madagascar’s Results

The 2016 Index score for Madagascar is of 62. Ranking 162 out of 221 countries and territories assessed.

### 2012-2016 Scores for Madagascar Using 2016 Methods

goal	2012	2013	2014	2015	2016
Index	62	62	62	62	62
Artisanal Fishing Opportunity	44	44	44	44	44
Species	86	86	86	86	86
Biodiversity	86	86	86	86	86
Habitats	86	86	86	85	86
Coastal Protection	79	79	78	78	78
Carbon Storage	66	66	65	65	65
Clean Waters	64	64	62	63	60
Coastal Economies	100	100	100	100	100
Livelihoods and Economies	90	81	81	81	81
Coastal Livelihoods	80	62	62	62	62
Wild Caught Fisheries	41	44	47	46	52
Food Provision	40	42	45	45	50
Mariculture	1	1	1	1	1
Iconic Species	61	63	62	63	62
Sense of Place	46	46	45	45	44
Lasting Special Places	32	30	28	27	26
Natural Products	94	93	94	94	84
Tourism and Recreation	16	20	23	23	29

### Improving scores

- Wild Caught Fisheries score increased by 6 points and Food Provision improved 5 points
- Tourism and recreation increased by 6 points

### Declining scores

- Sense of Place decreased by 1 point
- Natural products decreased by 10 points

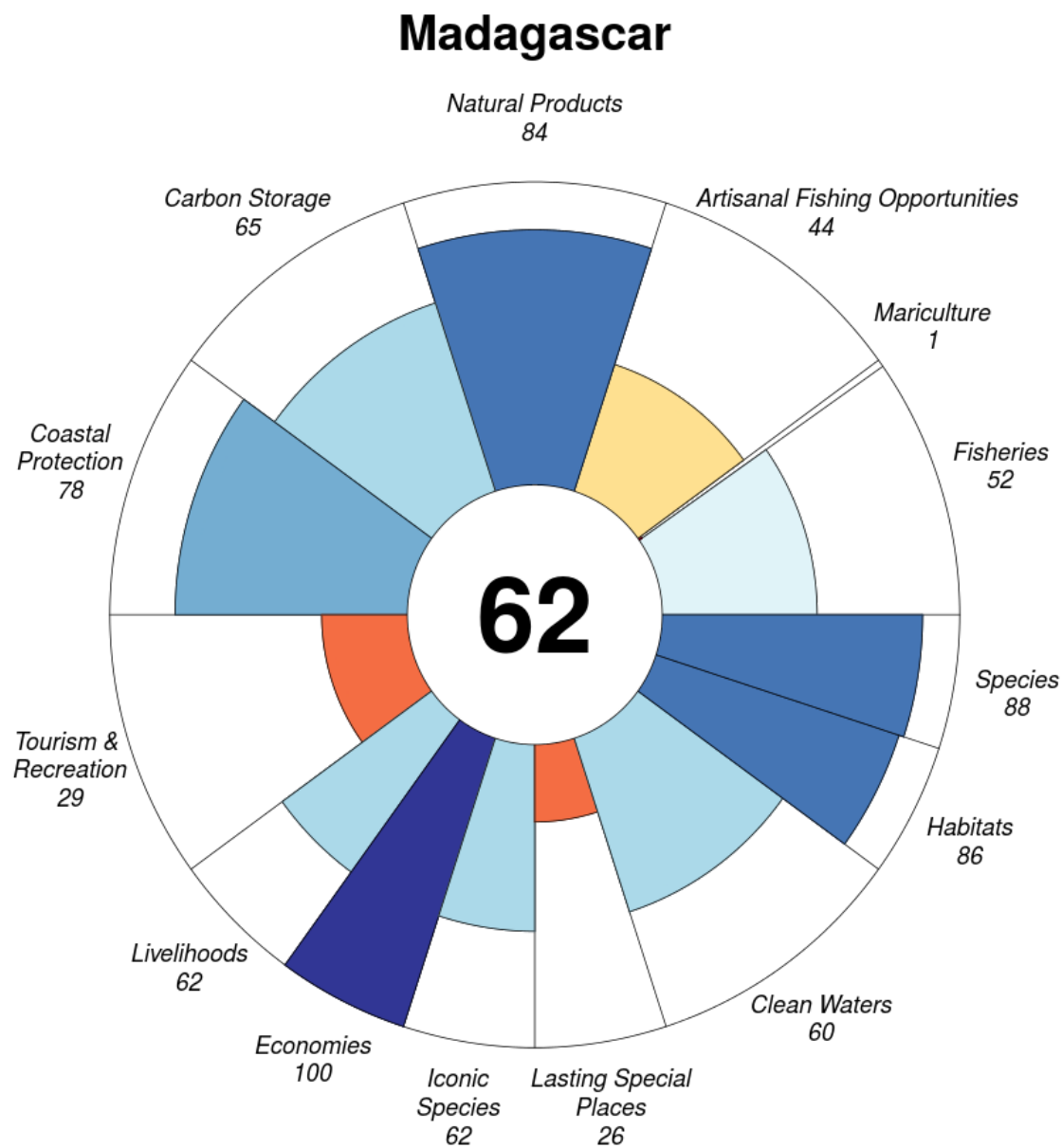


Figure 2: OHI 2016 Global Assessment: Madagascar's Flower Plot

### **Explanation of Madagascar's scores**

The overall score for Madagascar is 62, which is unchanged from 2015. There were increases for some goals and decreases for others, which counteract one another contributing to the balance and unchanged total score. The score of 1 for Mariculture reflects very low production of farmed seafood per coastal inhabitant.

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