State of Oceans and Coasts: INDONESIA

Dida Migfar Ridha
Ministry of Environment and Forestry
# Ocean economy

<table>
<thead>
<tr>
<th>Sectors</th>
<th>GVA (US$, in millions, in constant prices)</th>
<th>2013</th>
<th>2014</th>
<th>2015</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fisheries and Aquaculture</td>
<td></td>
<td>12,723.06</td>
<td>13,657.37</td>
<td>14,702.52</td>
</tr>
<tr>
<td>Mining (minerals, oil and gas)</td>
<td></td>
<td>22,631.32</td>
<td>22,154.67</td>
<td>22,045.15</td>
</tr>
<tr>
<td>Marine industries (manufacturing)</td>
<td></td>
<td>33,173.47</td>
<td>36,319.76</td>
<td>38,799.28</td>
</tr>
<tr>
<td>Marine transportation (shipping)</td>
<td></td>
<td>1,977.08</td>
<td>2,128.80</td>
<td>2,164.89</td>
</tr>
<tr>
<td>Marine tourism and recreation</td>
<td></td>
<td>17,605.65</td>
<td>18,621.22</td>
<td>19,304.04</td>
</tr>
<tr>
<td>Marine construction</td>
<td></td>
<td>55,812.63</td>
<td>59,703.91</td>
<td>63,251.61</td>
</tr>
<tr>
<td>Defense/Government</td>
<td></td>
<td>20,906.55</td>
<td>21,402.99</td>
<td>22,270.05</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td></td>
<td>164,829.76</td>
<td>173,988.72</td>
<td>182,537.54</td>
</tr>
<tr>
<td>Contribution to GDP (%)</td>
<td></td>
<td>27.98</td>
<td>28.12</td>
<td>28.34</td>
</tr>
<tr>
<td>Employment (%)</td>
<td></td>
<td>5.11</td>
<td>Not available</td>
<td>Not available</td>
</tr>
</tbody>
</table>

Source: Indonesian Statistical Agency 2017
Coral reefs area (P2O LIPI, 2017)

Ocean health

- Sumatera: 478,5 ha
- Kalimantan: 119,3 ha
- Jawa: 67,8 ha
- Bali: 8,8 ha
- Papua: 269,4 ha
- Sulawesi: 862,6 ha
- Maluku: 439,1 ha
- Nusa Tenggara: 272,1 ha
Indonesian Mangrove Distribution (P2O LIPI, 2017)

8.6 million hectare
Distribution of Indonesian Seagrass (P2O LIP, 2017)

Sebaran Jenis Lamun di Indonesia

8.6 Million Hectar

150,693,16 hectare
# Ocean health

<table>
<thead>
<tr>
<th>Habitat</th>
<th>Valuation (US$/ha)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mangroves</td>
<td>22,855.40</td>
</tr>
<tr>
<td>Seagrass</td>
<td>106,199.59</td>
</tr>
<tr>
<td>Coral reefs</td>
<td>115,698.61</td>
</tr>
</tbody>
</table>

| Valuation of coastal and marine ecosystems | US$411.94 B |
| Marine protected areas (% of territorial waters) | 5.8% |
| ICM (% of coastline)            | 48.54%      |

Source: Ministry of Marine Affairs and Fisheries 2017
Blue economy initiatives


5 pillars
- Improving behavior change
- Reducing land-based discharges
- Reducing sea-based discharges and leakage
- Reducing plastic production and use
- Enhancing financing mechanisms, policy reform and law enforcement

- Coordination between institutions responsible for waste management.
- Application of technology to control plastic debris
- Public awareness to reduce, recycle and reuse plastic
Blue economy initiatives

- PROPER is an industrial monitoring program that aims to encourage industry compliance with environmental regulations.
Blue economy initiatives

Minister of Environment and Forestry’s Decree No. 180, Year 2014

<table>
<thead>
<tr>
<th>Overall Result of PROPER 2013-2014</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>BLACK</strong> : 21 Companies</td>
</tr>
<tr>
<td><strong>RED</strong>  : 516 Companies</td>
</tr>
<tr>
<td><strong>BLUE</strong>  : 1224 Companies</td>
</tr>
<tr>
<td><strong>GREEN</strong> : 121 Companies</td>
</tr>
<tr>
<td><strong>GOLD</strong>  : 9 Companies</td>
</tr>
</tbody>
</table>
Blue economy initiatives
SDGs being achieved

For SDG-14 Indonesia
IPB as Hub for National Knowledge Management Systems

CoE SDG-14

Science and Research Community
Government
NGO/CSO
Business Entities

Targets SDG-14

National Secretary of SDG

FPIK/FFMS-IPB
Recommendations

Development of Marine Economy and Blue Economy Model as Accelerator for the Realization of Indonesia as an Independent Island Country, Advanced, Strong and Based on National Interest by Blue Development of Economics Sectors of:

- Transportation
- Maritime Industry
- Fishery
- Tourism
- Energy and Mineral
- Marine Services
Recommendations

- Protect ocean health to support sustainable blue economy:
  - Habitat restoration and protection; biodiversity conservation
  - Wastewater management
  - Solid waste management
  - Plastic marine debris management
  - Toxic waste management
  - Oil spill prevention and response
  - Ballast water management
  - Greenhouse gas emission reduction