The environmental & social impact of seafood

Tim Fitzgerald

Sep 20, 2017
EDF FOCUS AREAS

Percentage of fish by country:
- Canada: 1%
- United States: 6%
- Mexico: 2%
- Peru: 6%
- Chile: 3%
- Norway: 3%
- Iceland: 2%
- European Union: 6%
- Namibia: 0.6%
- South Africa: 0.9%
- China: 17%
- Myanmar: 3%
- Philippines: 3%
- Vietnam: 3%
- Indonesia: 7%
- Australia: 0.2%
- New Zealand: 0.6%
- Others: 30%

7 reformed countries: 8%
12 focus countries: 62%
139 other countries: 30%
Modified from Lubchenco; FAO data, Pauly 2013 Nature, adapted from Pauly 2007 AMBIO
Our research shows that with sustainable fishing reforms, like secure fishing rights, recovery can happen quickly.

Most fisheries can be in healthy in

10
YEARS

We can have

2X
MORE FISH IN THE OCEAN

And sustainably feed an additional

1/2 BILLION PEOPLE

Learn more about how we are working with fishermen to improve livelihoods, feed more people and bring the oceans back to life.

EDF.org/oceanupside
Conservation Alliance for Seafood Solutions continues to expand its coalition of environmental NGOs promoting seafood sustainability

Members:

Collaborators:

Source: Communication with Conservation Alliance for Seafood Solutions.
The sustainability of US seafood sellers

90% of retail

80% of foodservice
What do consumers know, want & admit to?

Google Trends: Interest Over Time

<table>
<thead>
<tr>
<th>Year</th>
<th>IUU</th>
<th>Bycatch</th>
<th>Seafood Watch</th>
<th>Sustainable seafood</th>
<th>Marine Stewardship Council</th>
</tr>
</thead>
<tbody>
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<td>2007</td>
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<td>2017</td>
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Importance score out of ten:

- Safe to eat: 9.04
- Good for health: 8.48
- Fresh: 8.40
- Taste: 8.24
- Price: 5.86
- Sustainably sourced: 5.74
- Not GMO: 5.22
- Type of fish I’ve always eaten: 4.80
- Caught in the wild: 4.38
- Dolphin/turtle friendly: 4.37
- Clearly marked country of origin: 3.74
- Fairly traded: 3.67
- Sourced locally: 3.05
- Organic: 2.78
- Has an ecolabel: 2.73
- Farmed: 2.44
- Fishing method: 1.95
Carbon footprint & diet

<table>
<thead>
<tr>
<th>Diet Type (UK)</th>
<th>Mean GHG emissions (kg CO2)</th>
</tr>
</thead>
<tbody>
<tr>
<td>High meat eaters (&gt;100 g/day)</td>
<td>7.2</td>
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<tr>
<td>Medium meat eaters (50-99 g/day)</td>
<td>5.6</td>
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<tr>
<td>Low meat eaters (&lt;50 g/day)</td>
<td>4.7</td>
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<tr>
<td><strong>Fish eaters</strong></td>
<td><strong>3.9</strong></td>
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<tr>
<td>Vegetarians</td>
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<tr>
<td>Vegans</td>
<td>2.9</td>
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</tbody>
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http://speakingofseafood.org/seafood-sustainable-protein-consumption/
THANK YOU
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