

MPATLAS

discover the world's marine protected areas
<http://www.mpatlas.org>



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Problem: Global databases of MPAs and other marine management areas are pretty pathetic

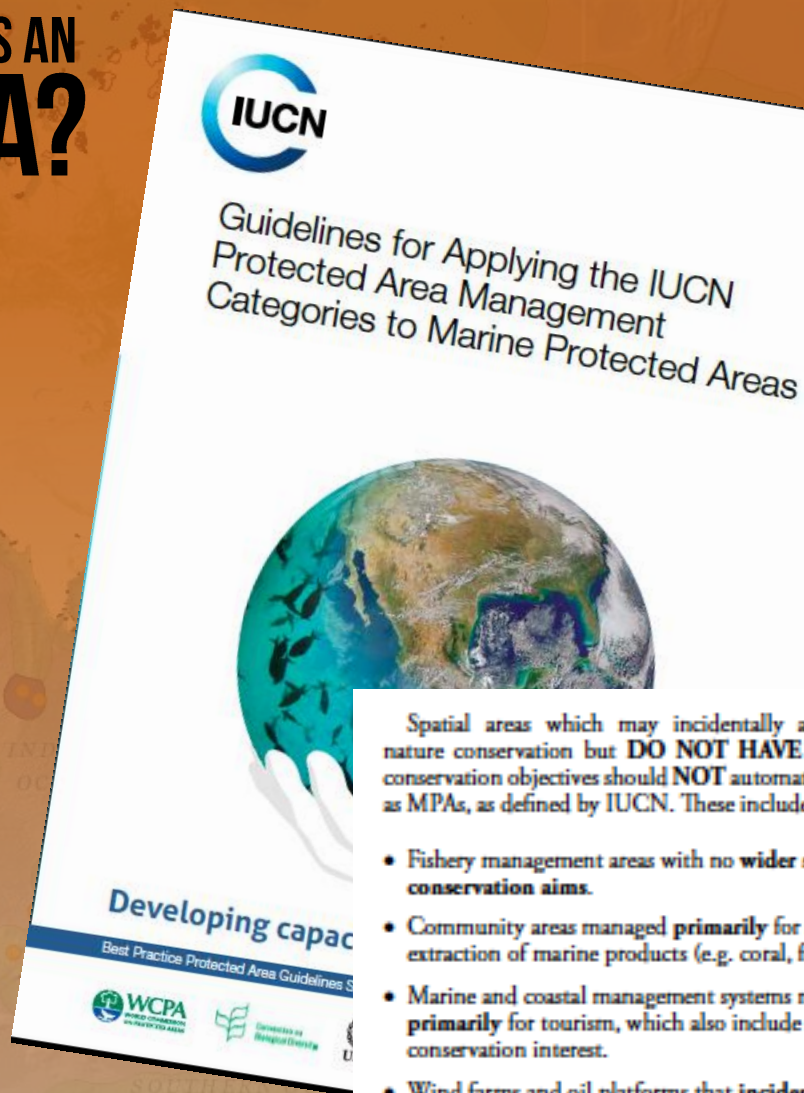
Problem: It's currently difficult to distinguish between different MPA protection levels and management schemes

Problem: Global community is not meeting agreed-upon MPA targets and timelines

Problem: When we look at anything above minimum protection levels we're even farther behind



WHAT IS AN MPA?

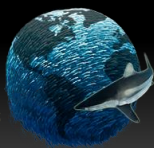


“A protected area is a clearly defined geographical space, recognised, dedicated and managed, through legal or other effective means, to achieve the long-term conservation of nature with associated ecosystem services and cultural values”

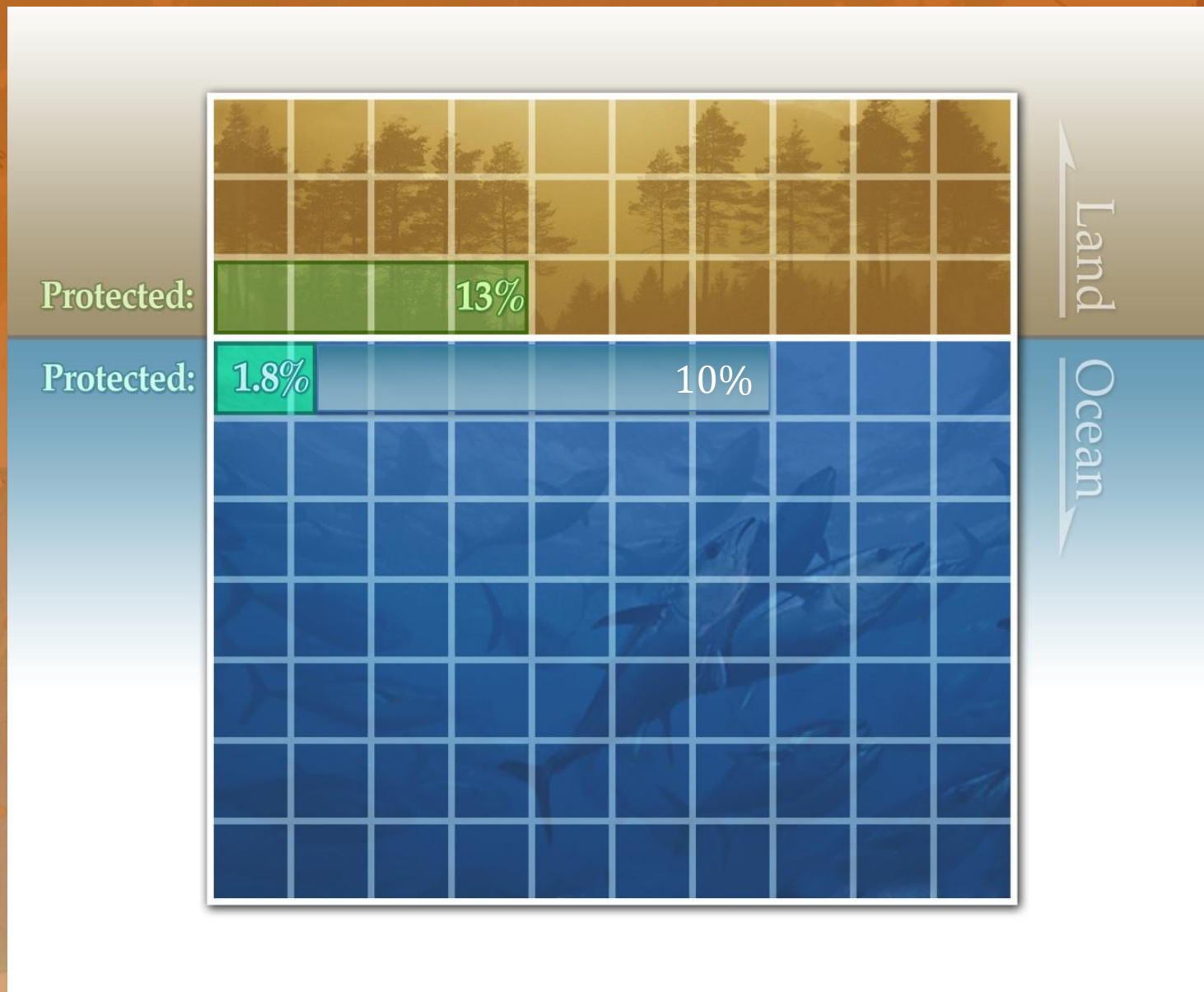
Spatial areas which may incidentally appear to deliver nature conservation but **DO NOT HAVE STATED** nature conservation objectives should **NOT** automatically be classified as MPAs, as defined by IUCN. These include:

- Fishery management areas with no **wider stated conservation aims**.
- Community areas managed **primarily** for sustainable extraction of marine products (e.g. coral, fish, shells, etc).
- Marine and coastal management systems managed **primarily** for tourism, which also include areas of conservation interest.
- Wind farms and oil platforms that **incidentally** help to build up biodiversity around underwater structures and by **excluding** fishing and other vessels.
- Marine and coastal areas **set aside for other purposes** but which also have conservation benefit: military training areas or their buffer areas (e.g. exclusion zones); disaster mitigation (e.g. coastal defences that also harbour significant biodiversity); communications cable or pipeline protection areas; shipping lanes etc.
- Large areas (e.g., regions, provinces, countries) where certain species are protected by law **across the entire region**.

Any of the above management approaches could be classified as an MPA if instead they had a primary stated aim and are managed to deliver nature conservation.

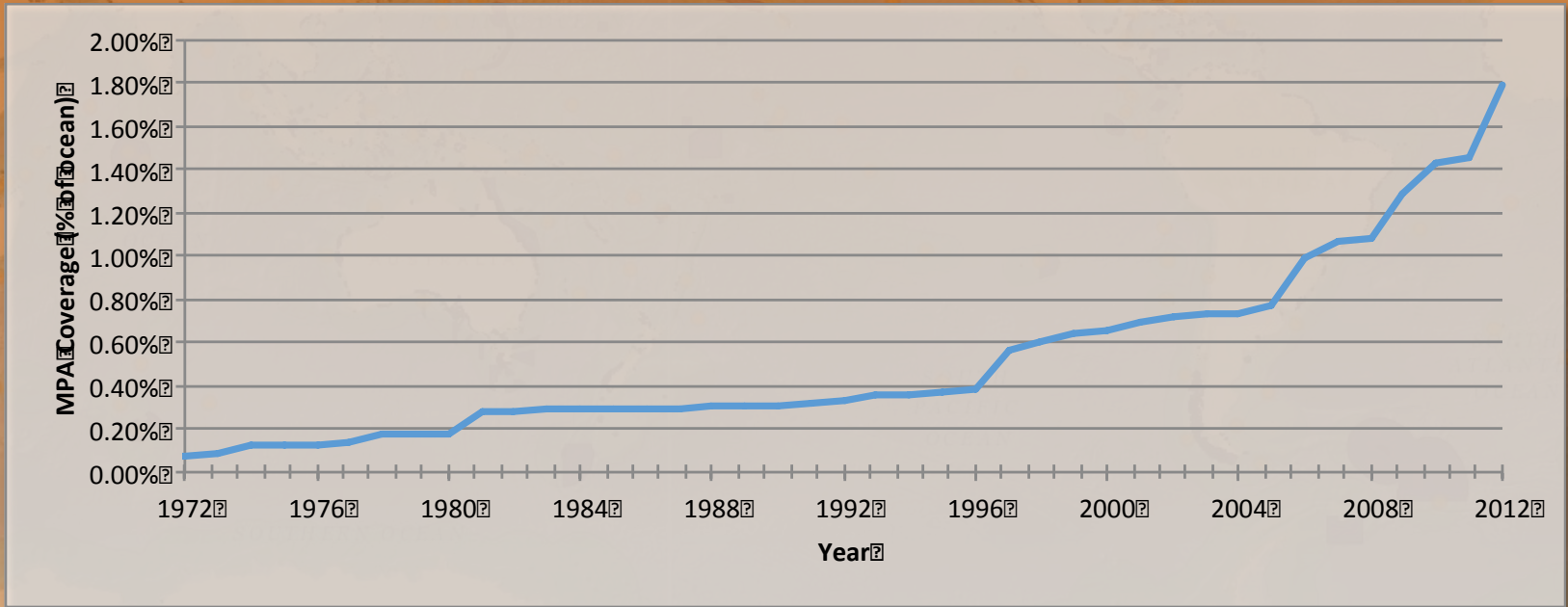
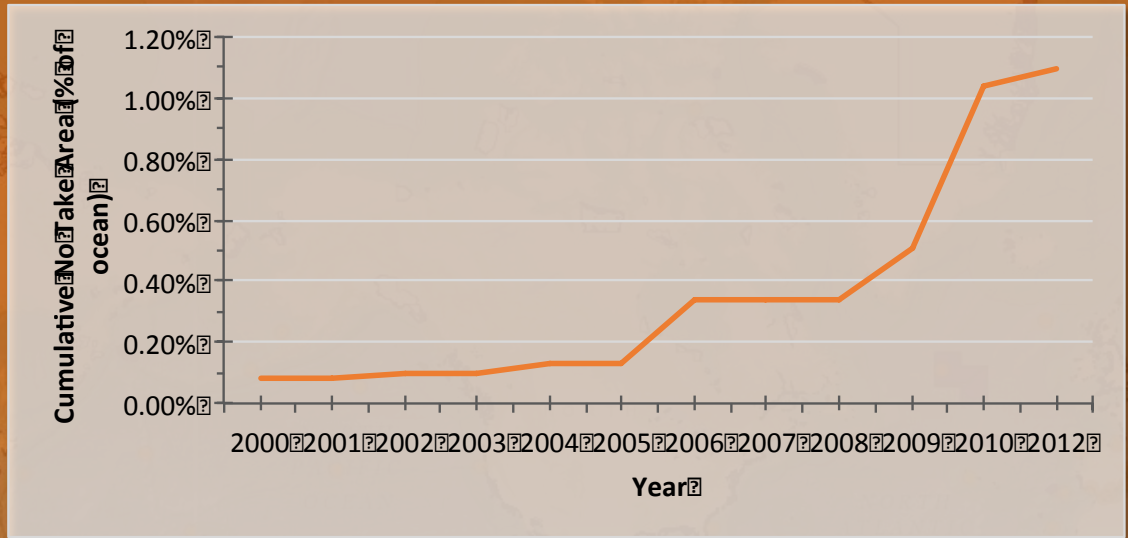


Are we there yet?





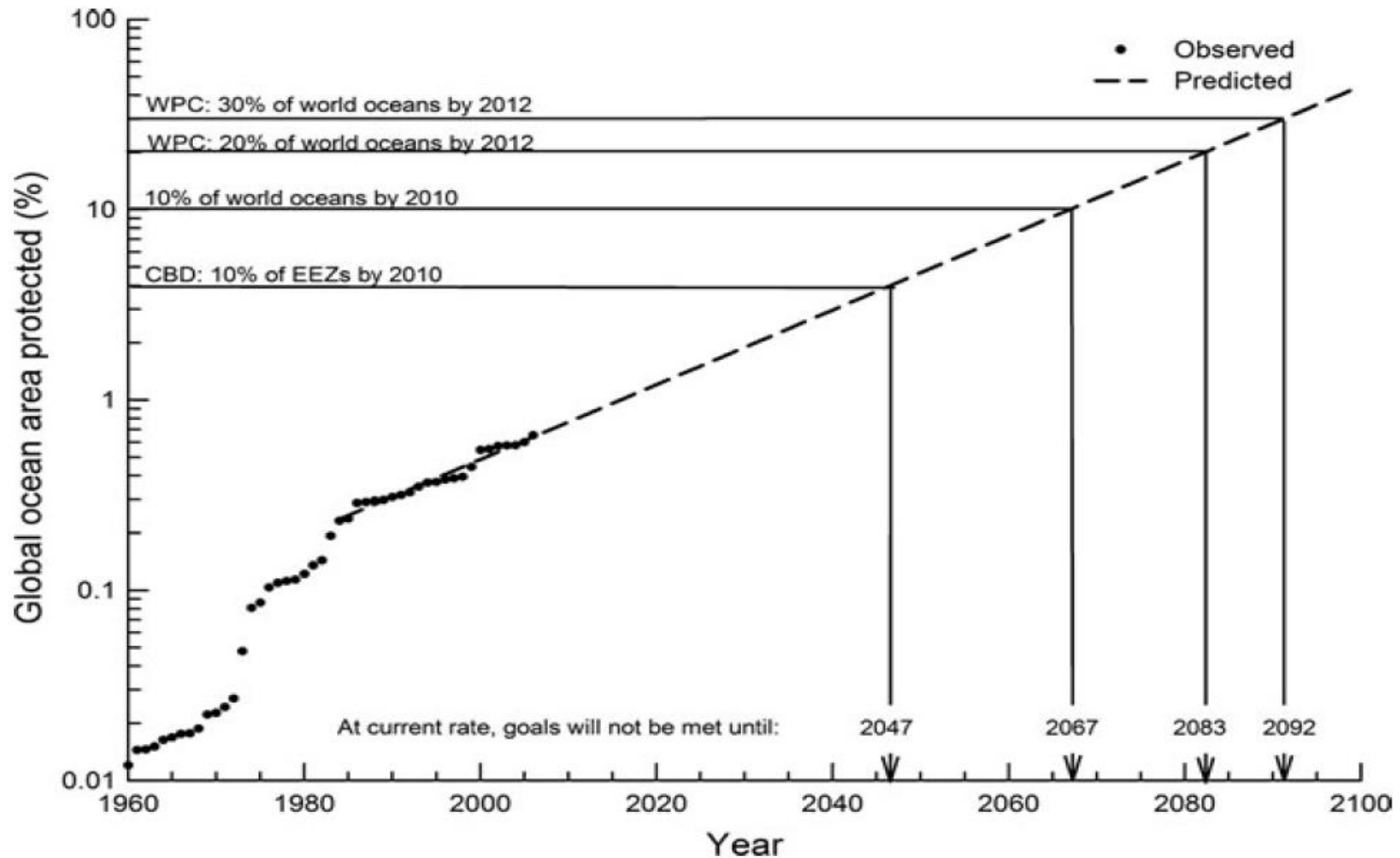
Increases in Protected Area + No Take...





Increases in Protected Area + No Take...

At current expansion rates, it would take more than 35 years for MPAs to cover 10% of the world's EEZs

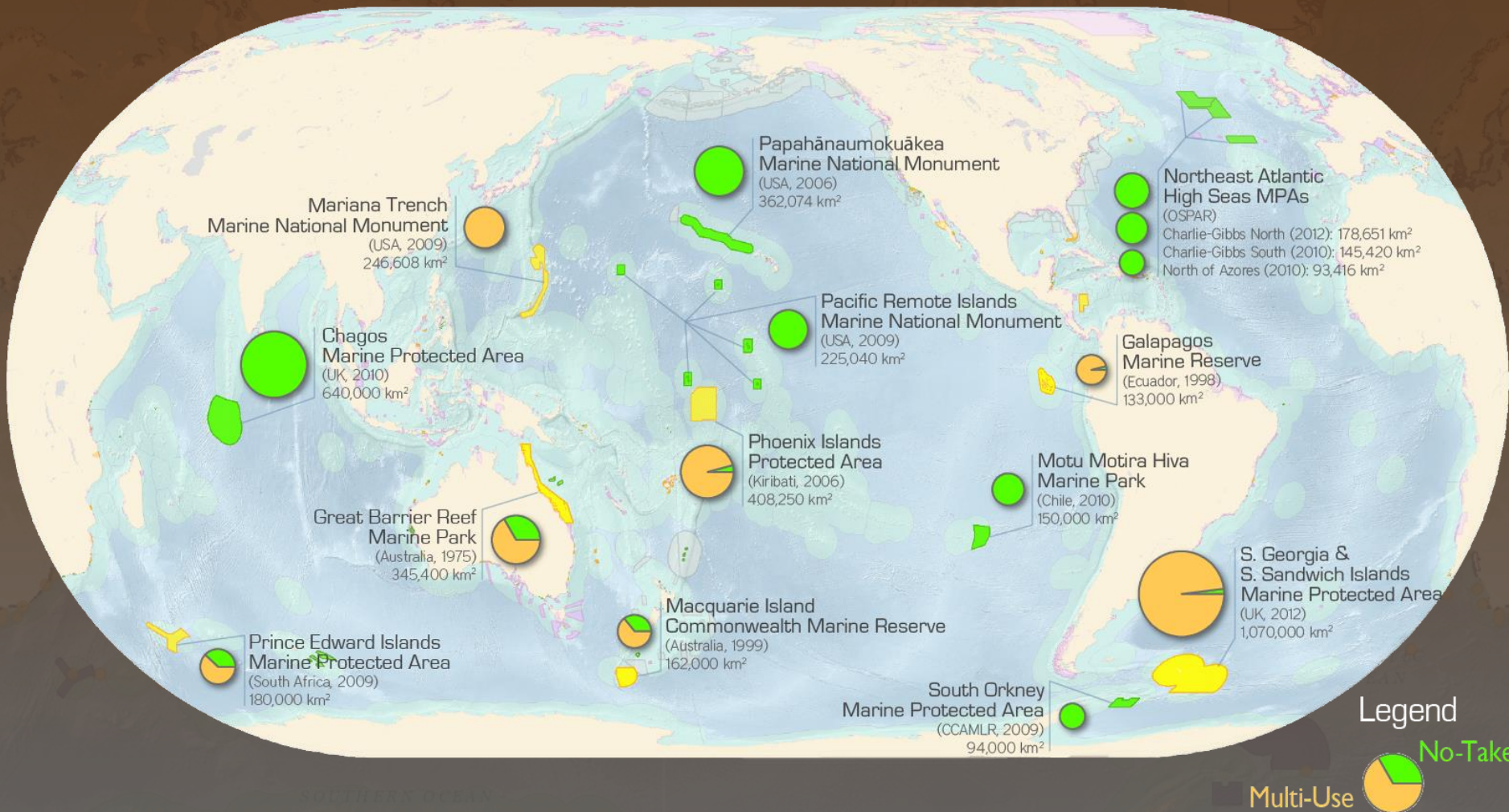


Source: Wood, L., et al., 2008. Assessing progress towards global marine protection targets: shortfalls in information and action. *Oryx* 42(3): 340-351.

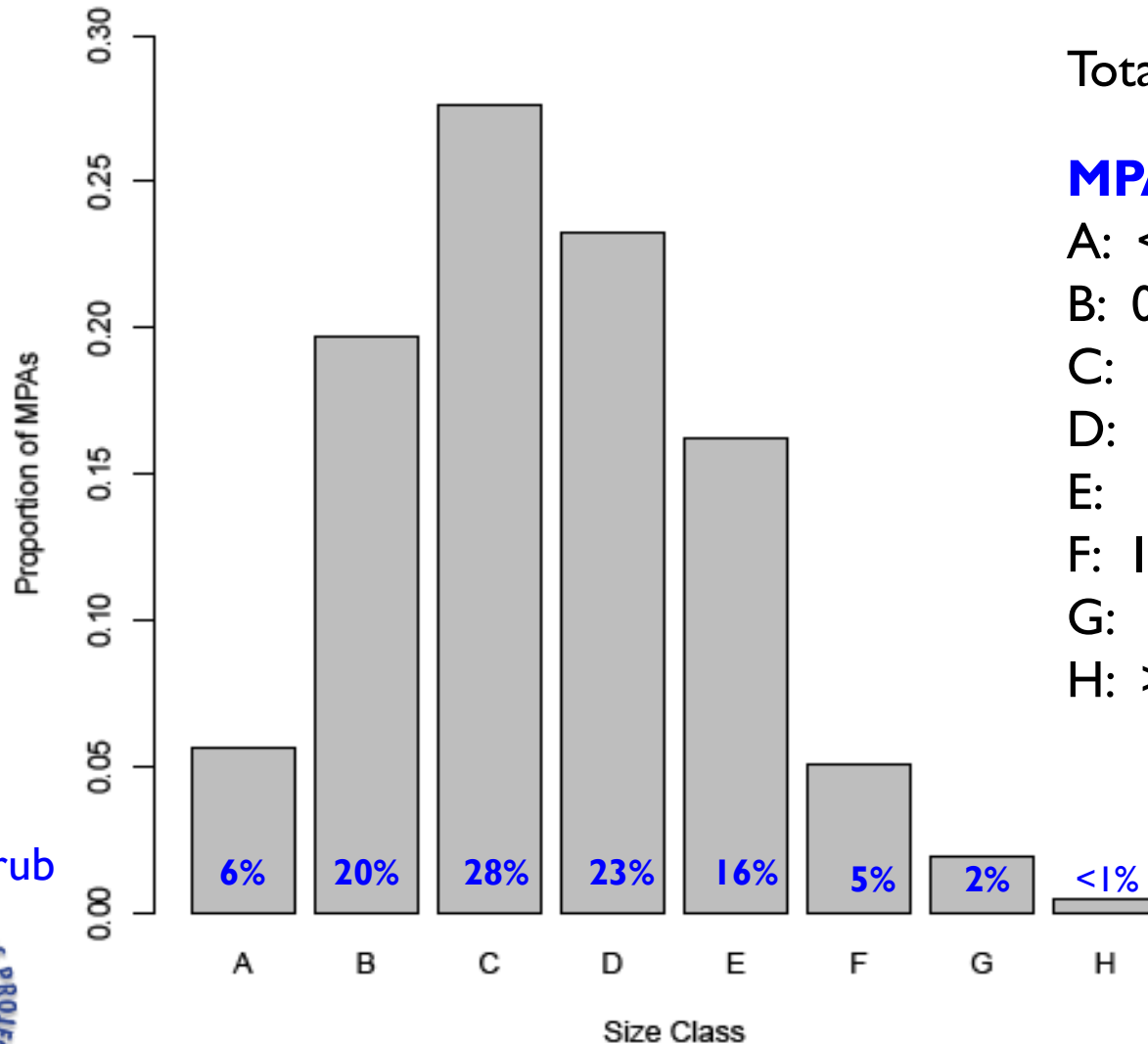


...but most in just a handful of places

Very Large Marine Protected Areas (VLMPAs)*



* MPAs ≥ 75,000 km²



Total # of MPAs: 5669

MPA size classes

A: $<0.1 \text{ km}^2$

B: $0.1\text{--}1 \text{ km}^2$

C: $1\text{--}10 \text{ km}^2$

D: $10\text{--}100 \text{ km}^2$

E: $100\text{--}1,000 \text{ km}^2$

F: $1,000\text{--}10,000 \text{ km}^2$

G: $10,000\text{--}100,000 \text{ km}^2$

H: $>100,000 \text{ km}^2$

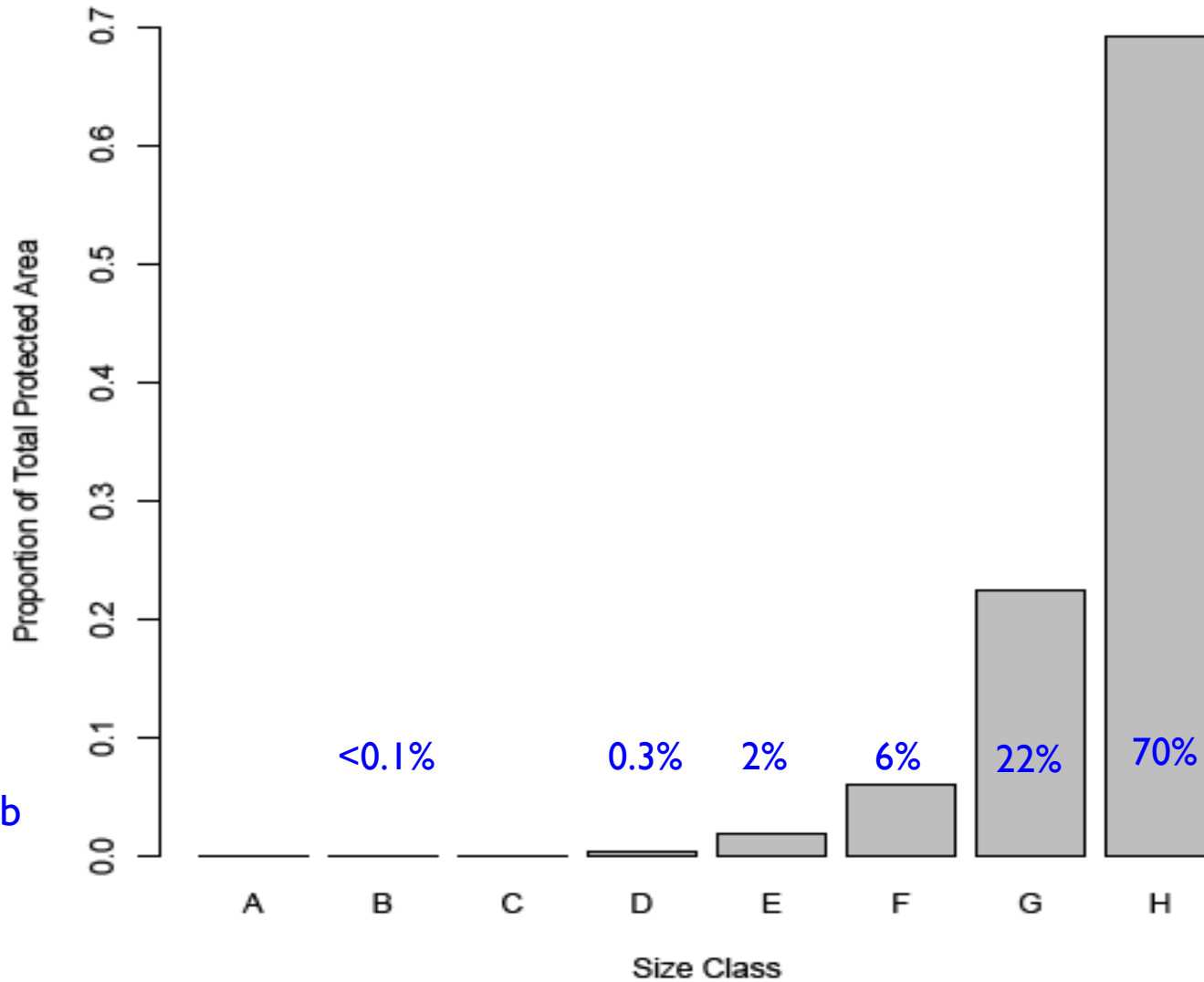
Ashley
McCrea-Strub



Global Ocean
Legacy project



Percentage of area in each size class



Ashley
McCrea-Strub



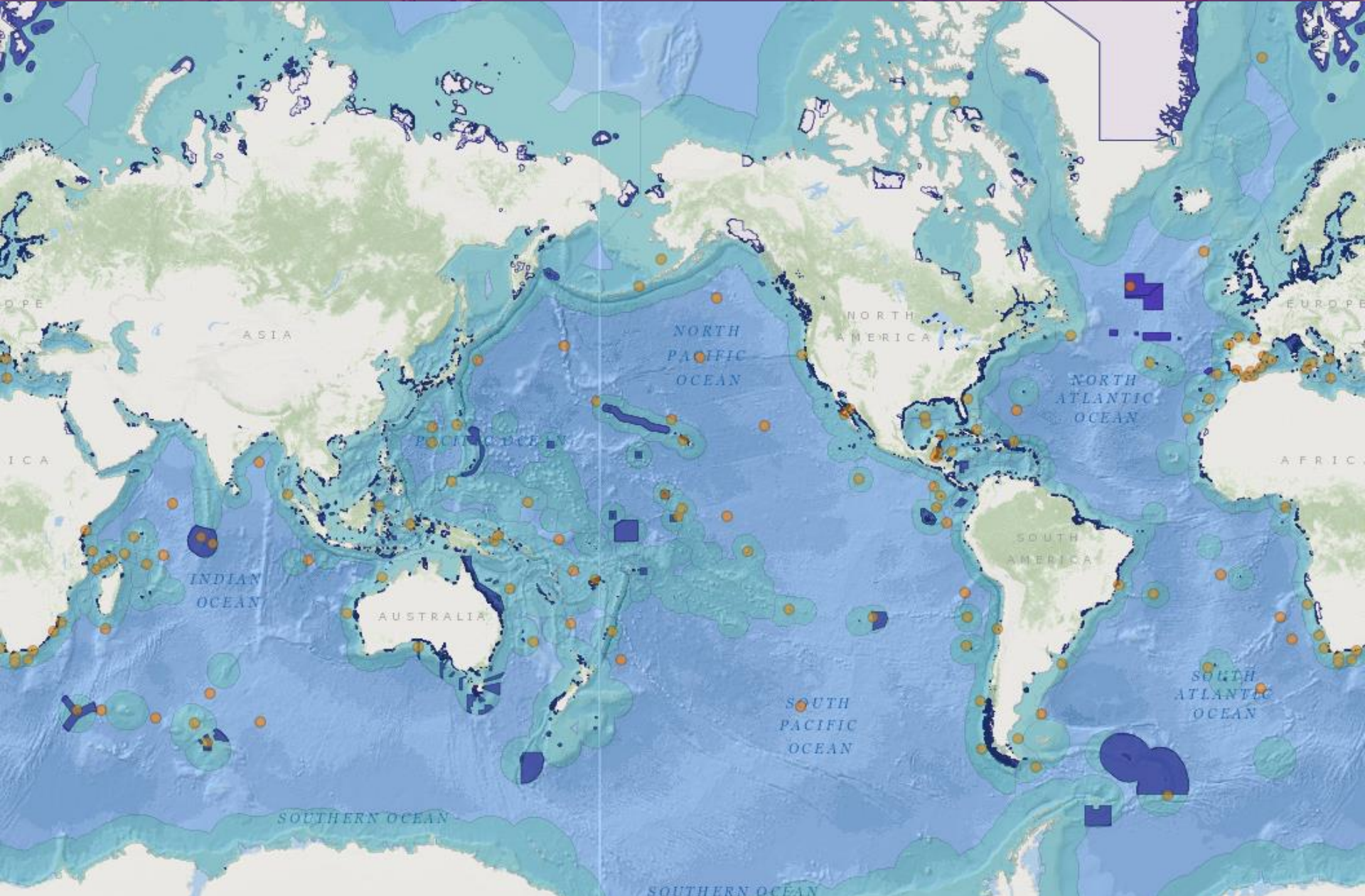
1. Put everything in if it looks or sounds like an MPA

- a. Pull from big global databases
- b. Pull from regional and national databases

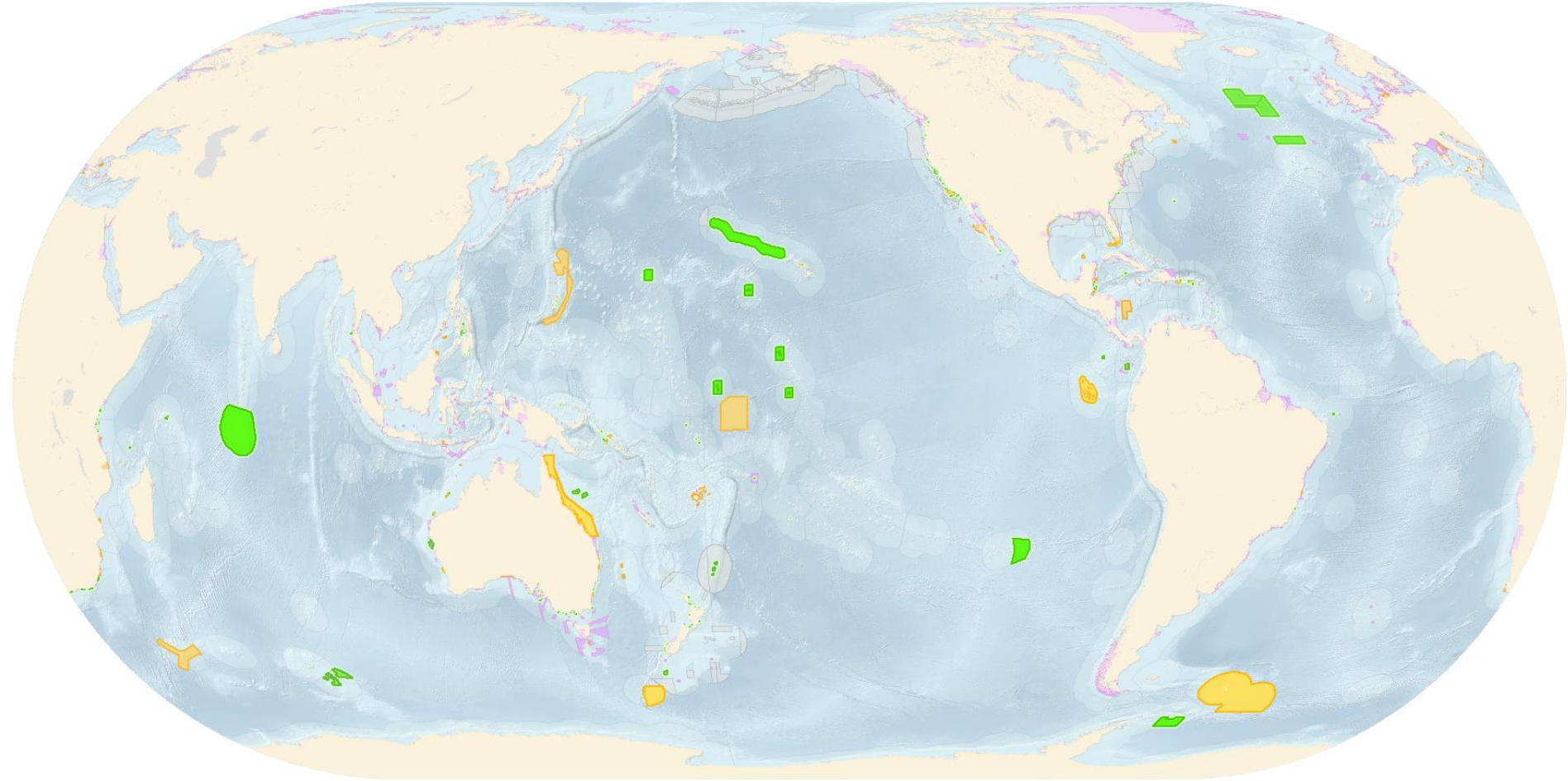
2. Start taking things out

- a. Large fishery management zones with dubious MPAness (e.g, no site-based management)
- b. Fix erroneous data and bad boundary data
- c. Not all are created equal
 - i. Start color coding protection categories
 - ii. Stop summing up global % coverage of all MPAs, do it by category

Step 1: Okay, just put it on a map already



Coming this summer: Protection Categories



SOUTHERN OCEAN

SOUTHERN OCEAN



Protection Level:

Calculating

Papahānaumokuākea Marine National Monument

USA



Love It



Been Here



Dove Here



Fished Here

Site Information

EDIT

Designation:

Designation Type: National

Status: Designated

Governance Type: Partnership

No Take: Not Reported

No Take Area km²: None

↓ See all data records for this site



General Info

Photos & Video

Your Voices

Site Description

Papahānaumokuākea Marine National Monument

from wikipedia:

http://en.wikipedia.org/wiki/Papah%C4%81naumoku%C4%81kea_Marine_National_Monument

The **Papahānaumokuākea Marine National Monument** (aka Papahānaumokuākea) is a *World Heritage* listed, *U.S. National Monument* encompassing 140,000 square miles (360,000 km²) of ocean waters, including ten islands and atolls of the *Northwestern Hawaiian Islands*, internationally recognized for both its cultural and natural values as follows:

"The area has deep cosmological and traditional significance for living *Native Hawaiian* culture, as an ancestral environment, as an embodiment of the *Hawaiian concept of kinship* between people and the natural world, and as the place where it is believed that life originates and to where the spirits return after death. On two of the islands, *Nihoa* and *Makumanamana*, there are archaeological remains relating to pre-European settlement and use. Much of the monument is made up of *pelagic* and deepwater habitats, with notable features such as *seamounts* and submerged banks, extensive *coral reefs* and *lagoons*. It is one of the largest *marine protected areas* (MPAs) in the world."^[1]

[Read full article..](#)

Nearby Sites

Showing nearest 5 MPAs (< 500km away)

Contacts & Resources



SEA STATES 2013

HOW WELL DOES YOUR STATE PROTECT YOUR COASTAL WATERS?



Quantitative ranking of protection
by governments

Key Findings:

- Most states and territories are failing to protect our marine life, beaches & seafood
- Only 4 states/territories protect >1% of their coastal waters in no-take marine reserves

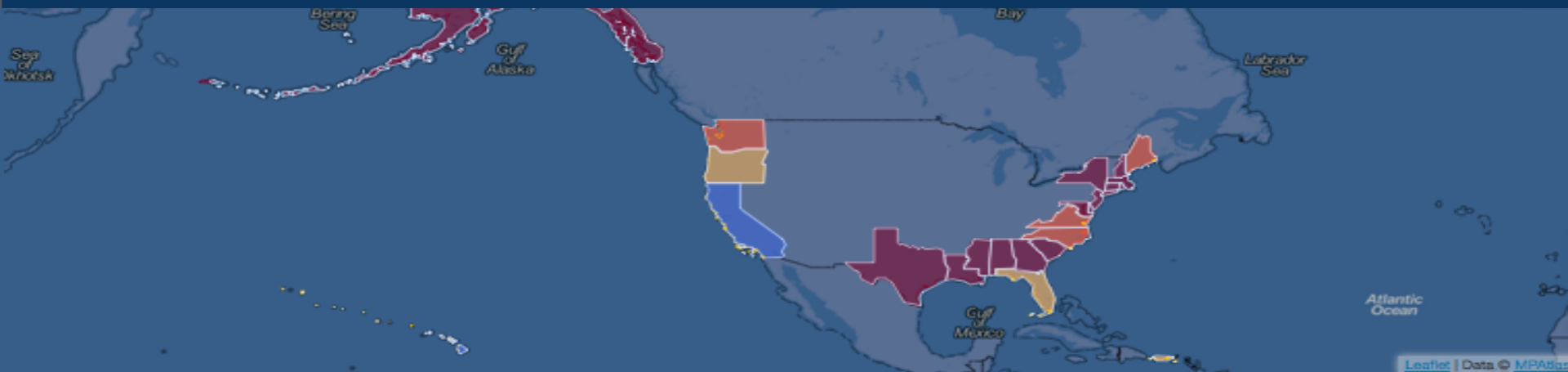


SEASTATES.US 2013

HOW WELL DOES **YOUR** STATE PROTECT **YOUR** COASTAL WATERS?



First-Ever National Ranking Shows Most Coastal States Failing to Protect Oceans



RANK	STATE	STATE MARINE AREA (MI ²)	NO-TAKE AREA (MI ²)	# NO-TAKE AREAS	% NO-TAKE
1	HAWAII	4,472	1,026.20	9	22.95%
2	CALIFORNIA	5,625	491.70	56	8.74%
3	US VIRGIN ISLANDS	593	33.73	6	5.69%
4	FLORIDA	14,756	164.00	6	1.11%
5	PUERTO RICO	5,168	46.76	9	0.9%
6	OREGON	1,409	4.00	3	0.28%
7	CNMI	1,220	3.01	3	0.25%
8	GUAM	355	0.69	1	0.19%
9	AMERICAN SAMOA	516	0.48	3	0.09%
10	WASHINGTON	3,806	3.40	10	0.09%
11	NORTH CAROLINA	4,496	1.80	2	0.04%
12	VIRGINIA	2,767	0.50	2	0.02%
13	MAINE	2,975	0.30	1	0.01%
14	ALABAMA	776	0.00	0	0%

Web demo



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Sign up

Go to MPAtlas.org and become a contributor and *MPA Champion*

Contact

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