

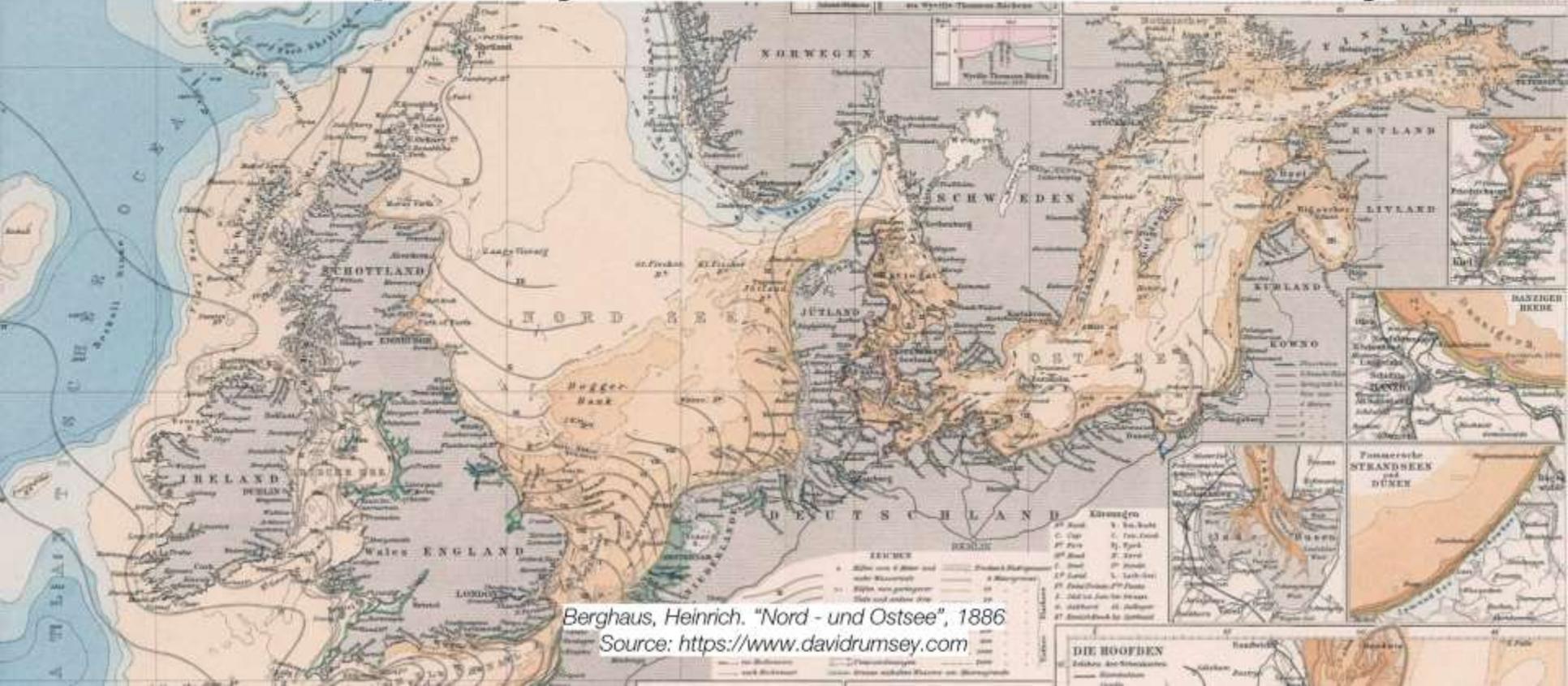


**The whole is
greater than the
sum of its parts**

Claudia Bode, *Thing Collective*

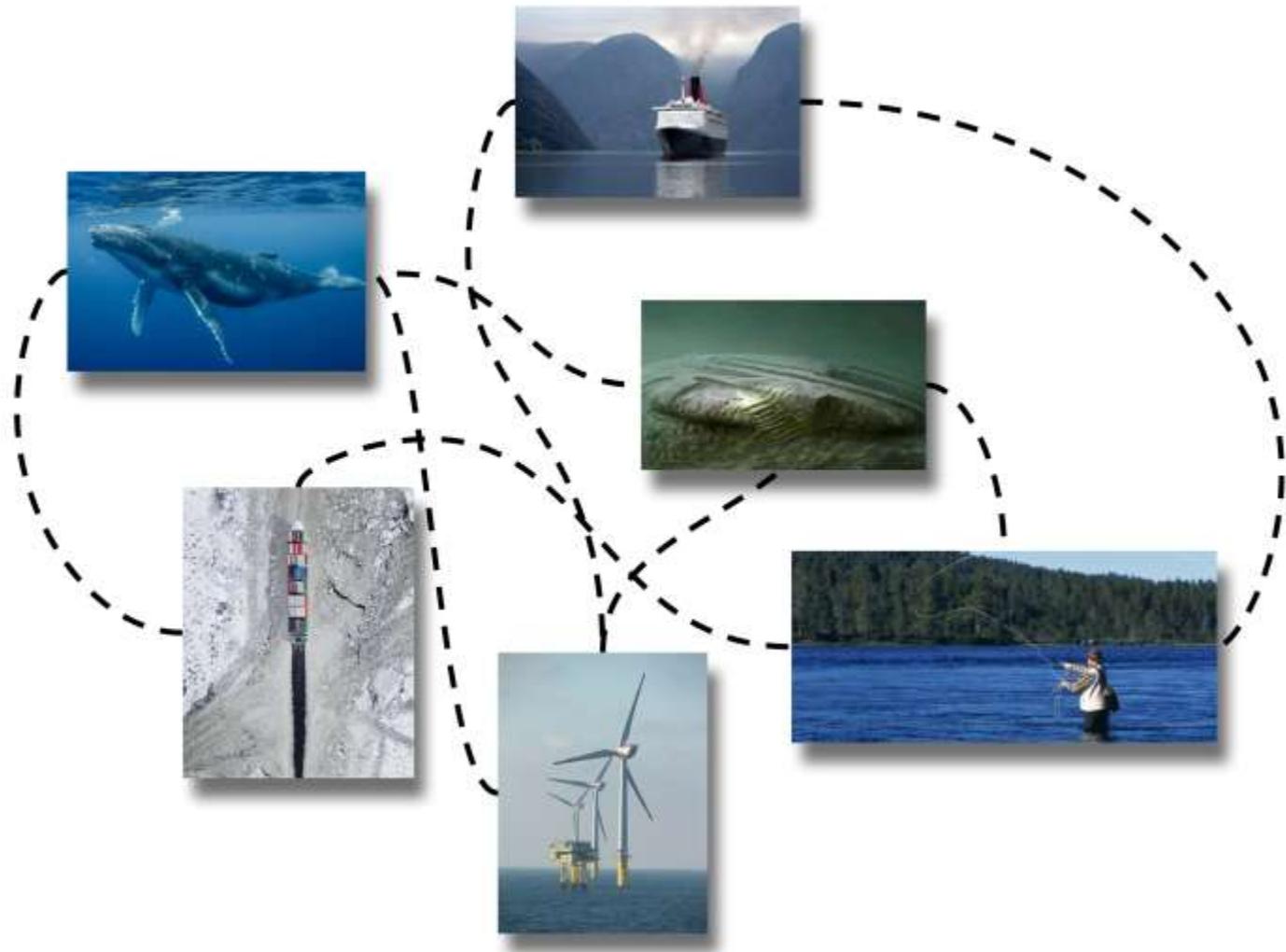
Congres Geologique International: "Carte Tectonique Internationale de L'Europe", 1962
Source: <https://atlasofplaces.com/Carte-Tectonique-Europe-Congres-Geologique-International>

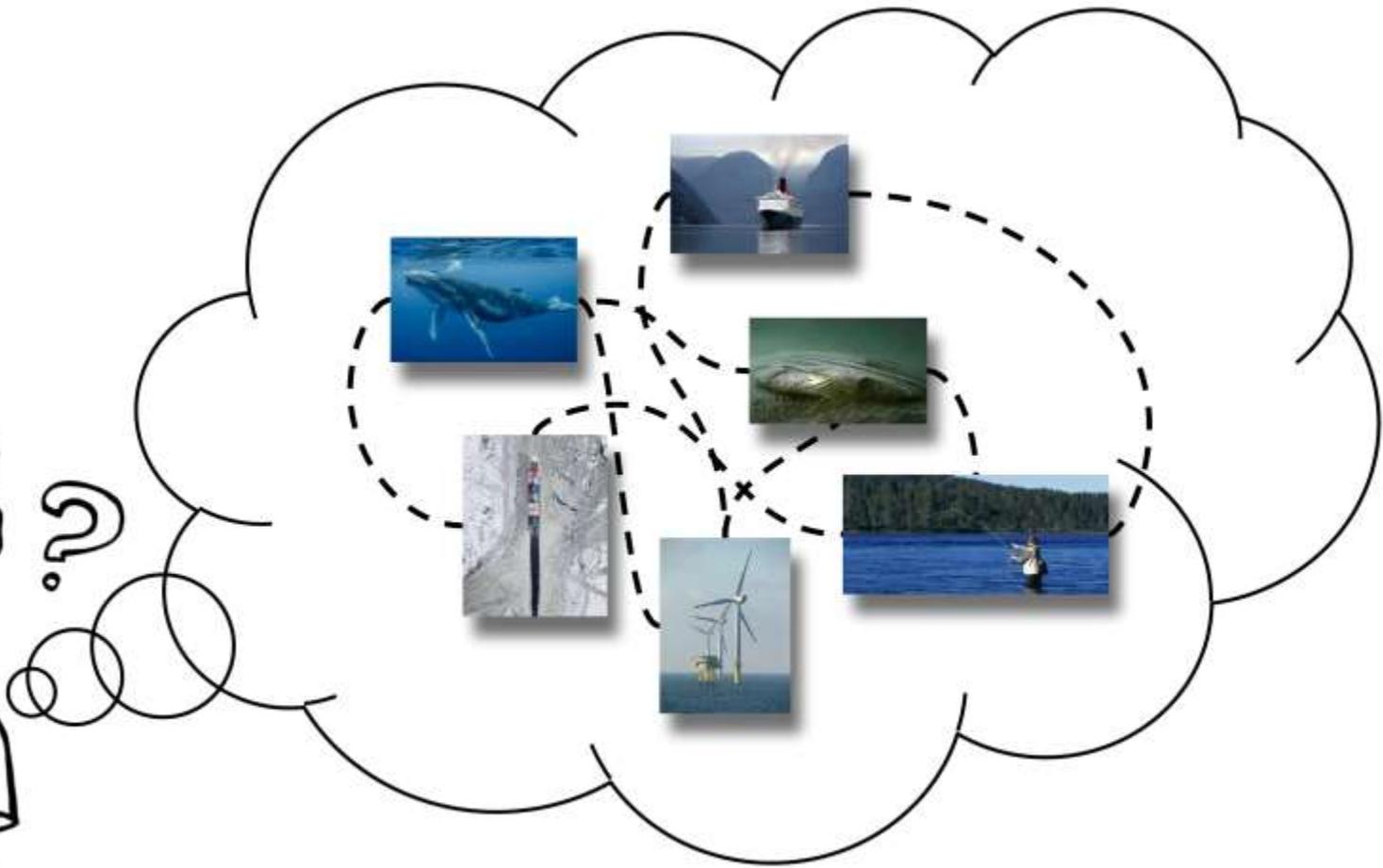
A complex system with its own identity

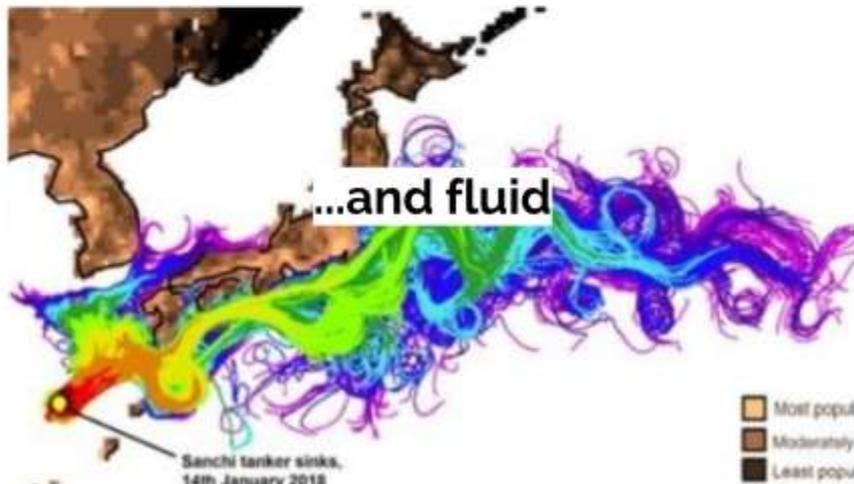
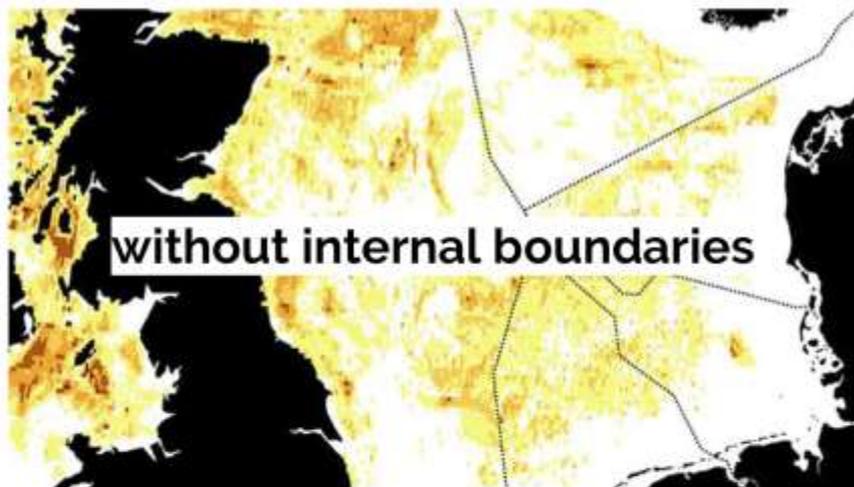


Berghaus, Heinrich. "Nord - und Ostsee", 1886

Source: <https://www.davidrumsey.com>







A Diving Helmet from a Water Heater

Air for the
diver is sup-
plied f r o m
twin bellows.

THEY go down
to the sea in old
water heaters along
the Atlantic coast
these days, now that
some young man
with a leaning to-
ward aquatic sports has
proved how easy it is to
make an excellent diving
helmet from a metal water
heater which will enable
its wearer to walk comfort-
ably on the sea floor 35
feet and more below the
surface.

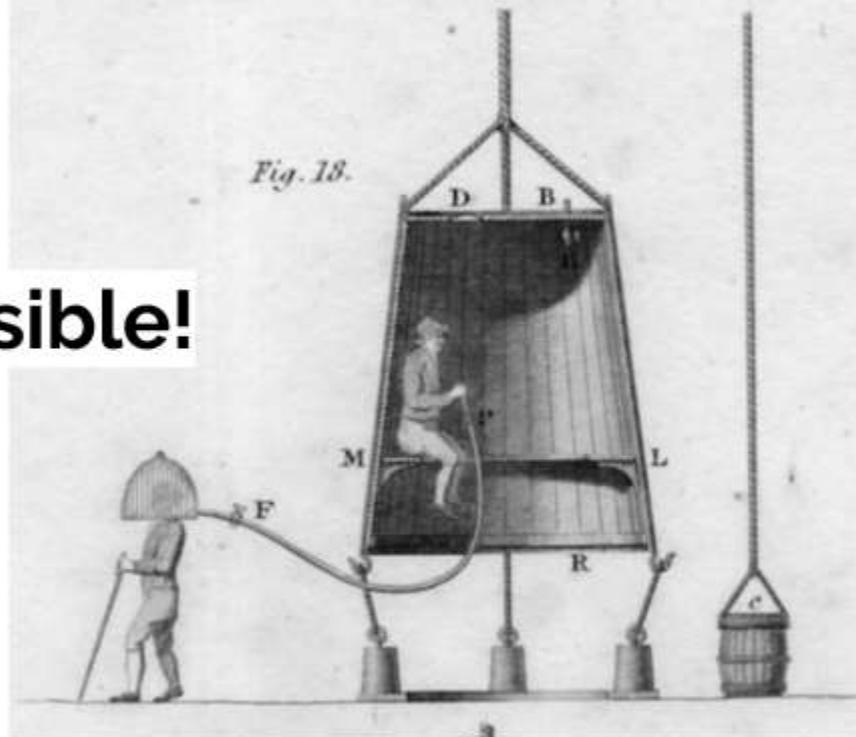


Completed water-heater diving helmet.

inaccessible!

Dr. Halley's

Fig. 18.



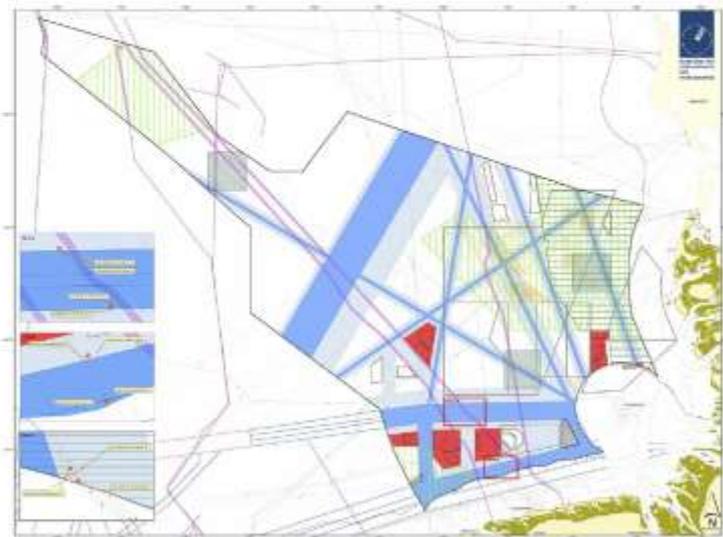
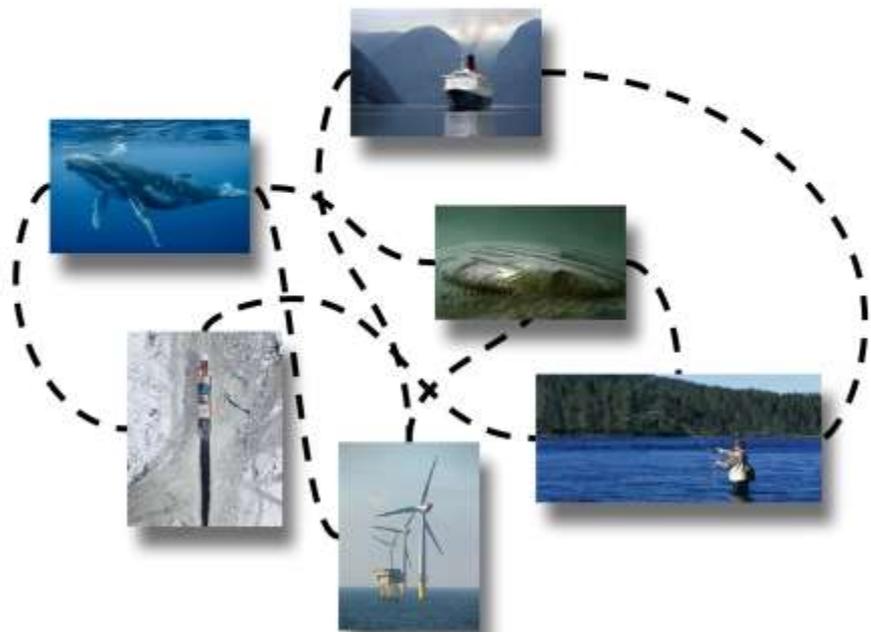
Air-Punk: Underwater Cyborg Diving Suit (1797)

<https://longstreet.typepad.com/thesciencebookstore/2012/07/underwater-cyborg-diving-suit.html>

Build A Diving Helmet from a Water Heater (Jan, 1932)

Source: <http://blog.modernmechanix.com/build-a-diving-helmet-from-a-water-heater/>

We understand complex situations by making representations of reality



Source: BSH

Representations are not neutral

The ocean is a neutral substrate in which landmasses "float"?



Mercator Projection

Landmasses encircle one interconnected, self-contained ocean?



Spillhaus Projection, drawing by Clara Dealberto.

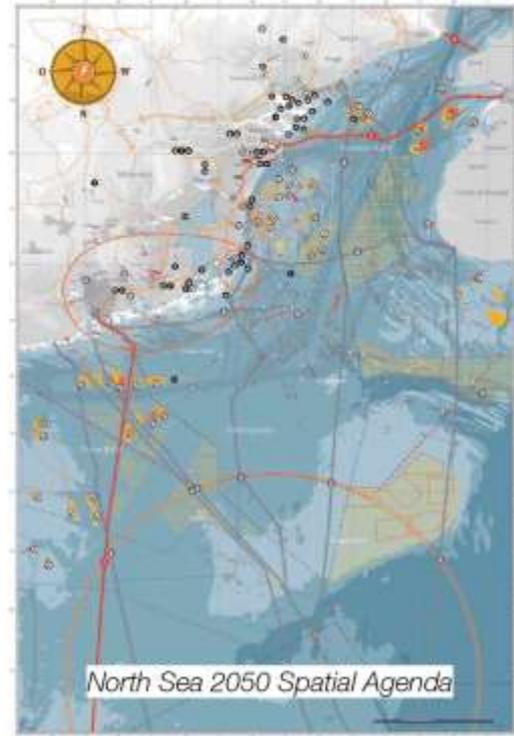
Source: <https://www.planet.nl/2015/02/02/16755559>

Representations change how we think

The view from the land?

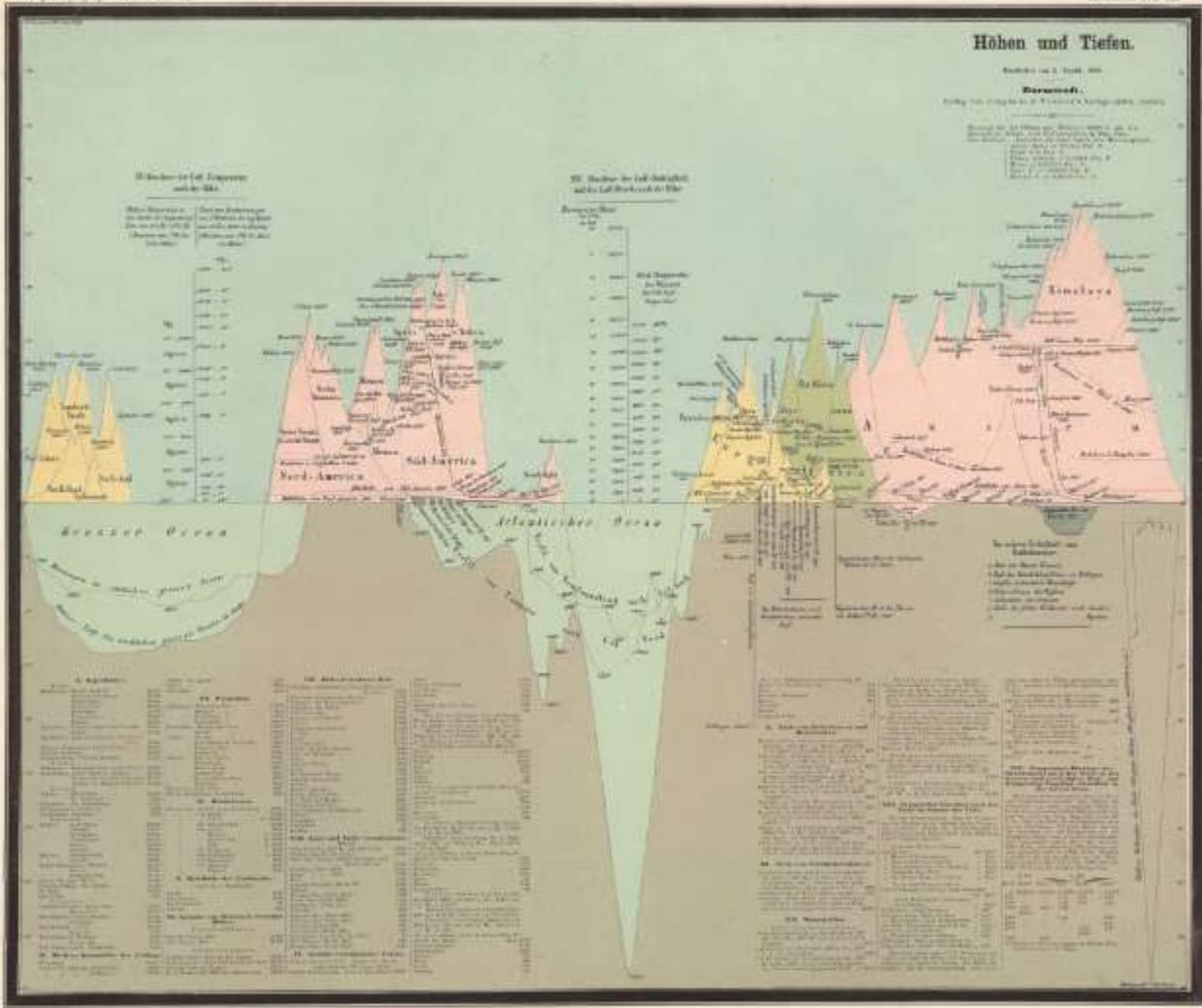


The view from the sea?



Do the representations we make the process of creating MSP - our base of common understanding - do justice to the real complexity and uniqueness of the ocean?

...or are we using terrestrial defaults?

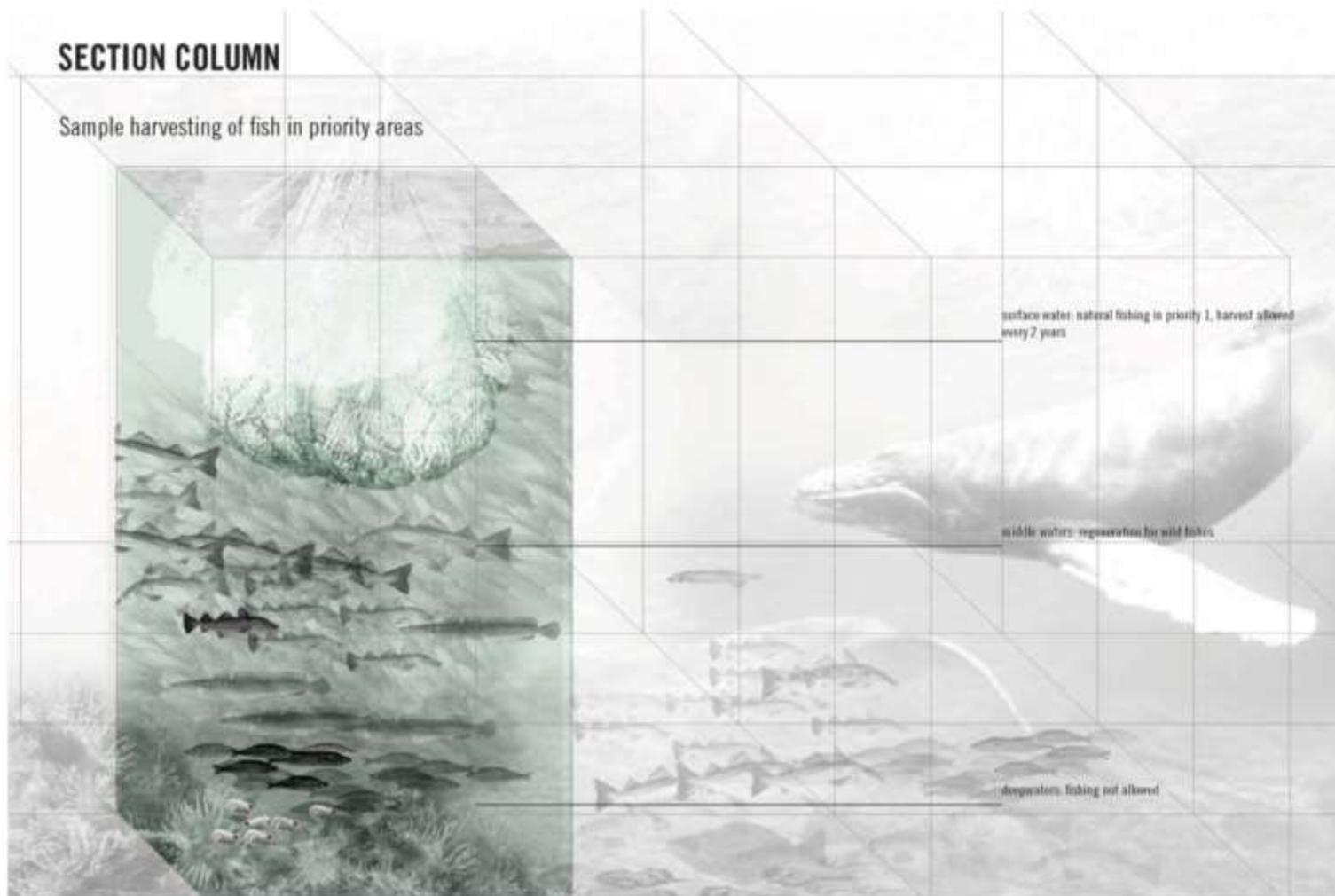


Left: The Mariana Trench.
 Source:
<http://www.oceanographerschoice.com/2010/02/two-views-of-the-ocean/>

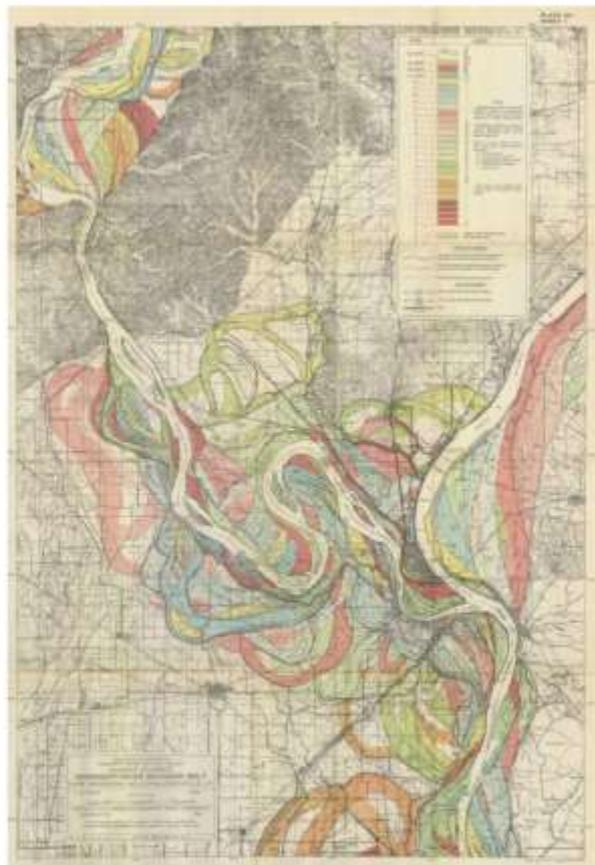
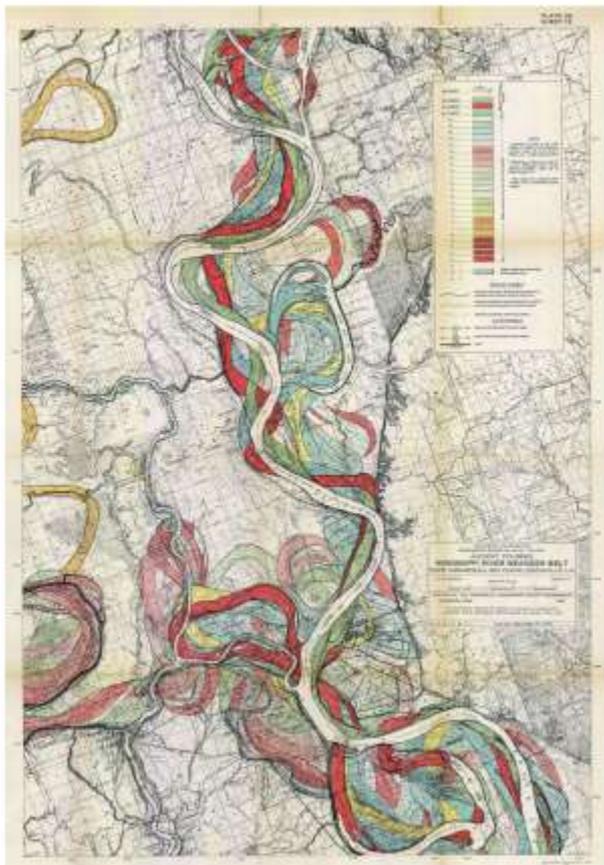
Right: Ewald, Ludwig.
 "No. 39. Höhen und Tiefen", 1860.

SECTION COLUMN

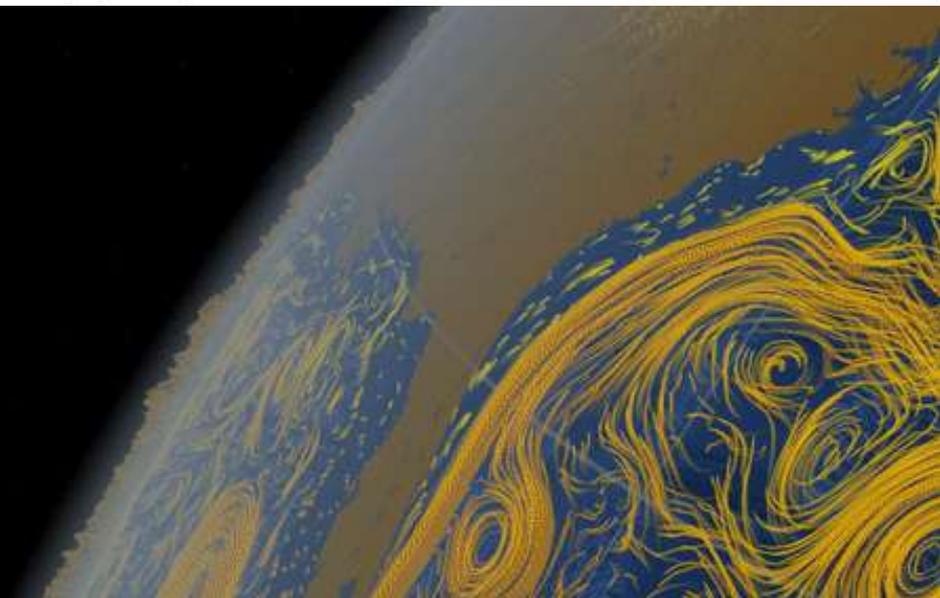
Sample harvesting of fish in priority areas



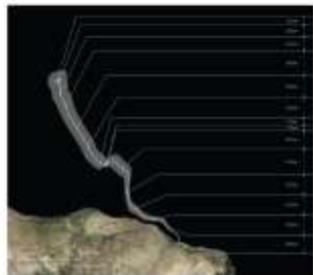
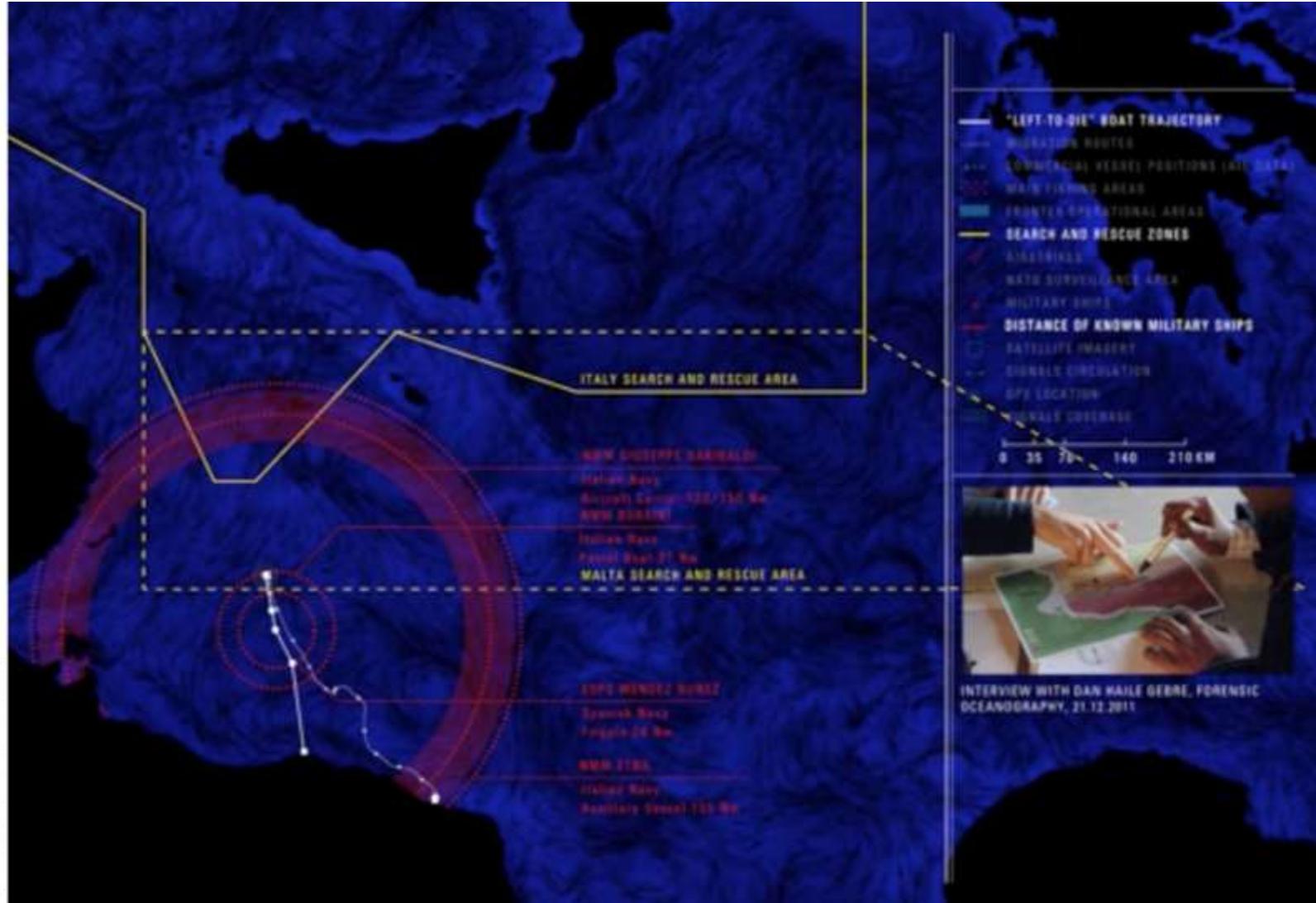
Application of fishing regulations for a sample section. Giulia Altarelli, Nicoletta Caputo, Carmen Fischer, Carolie Iorio, Jeane Wéry (Iaba, EPFL).



Harold Fisk, Army Corps of Engineers. "The Alluvial Valley of the Lower Mississippi River", 1944



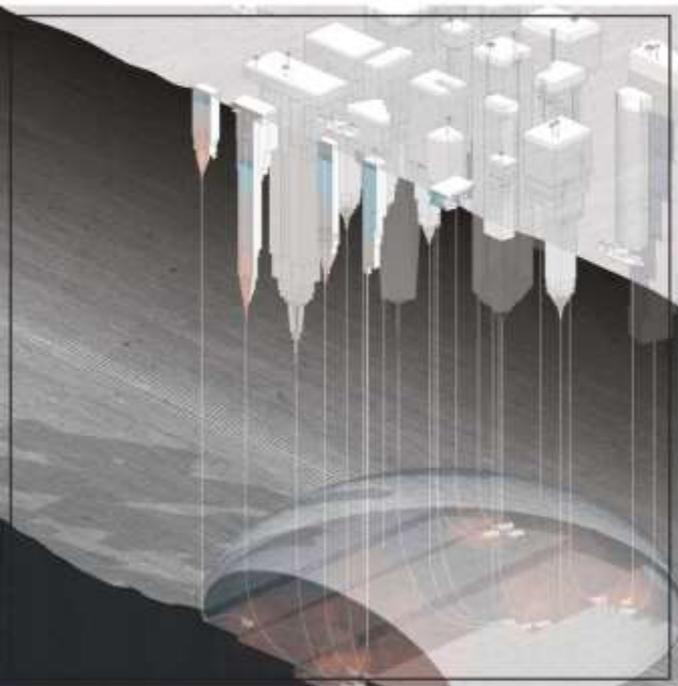
Left-To-Die Boat drift model (video).
Source: Forensic Architecture





Newell Robert, Canessa Rosaline, and Sharma Tara.
"Visualizing Our Options for Coastal Places: Exploring
Realistic Immersive Geovisualizations as Tools for
Inclusive Approaches to Coastal Planning and
Management". *Frontiers in Marine Science* 4, 2017

Representations allow us to imagine new futures



DESIGN EARTH



The Energy Report, AMO/OMA

Representations allow us to imagine new futures



Radical Ocean Futures, www.radicaloceanfutures.earth



DESIGN EARTH

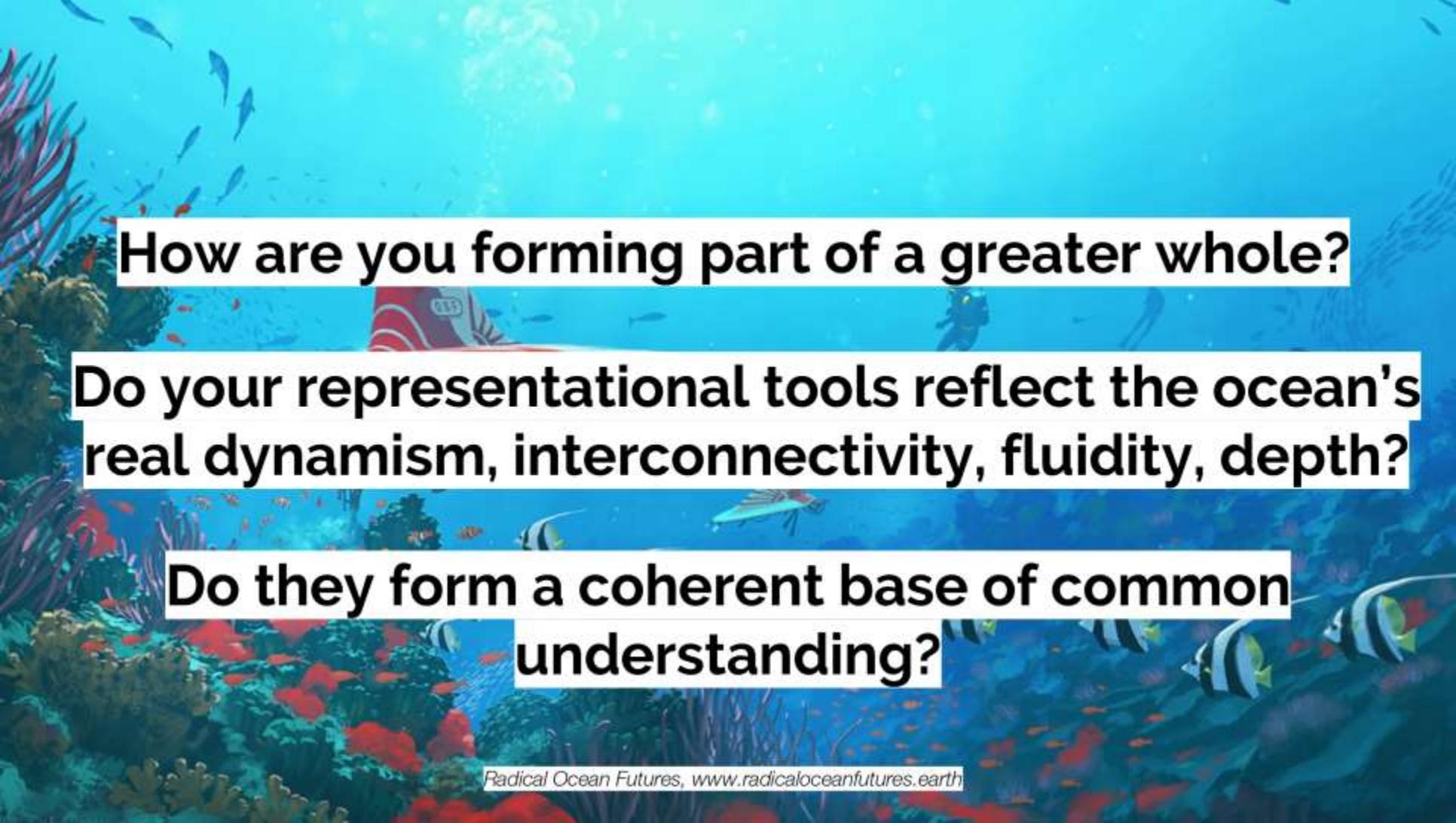


How are you forming part of a greater whole?



How are you forming part of a greater whole?

Do your representational tools reflect the ocean's real dynamism, interconnectivity, fluidity, depth?



How are you forming part of a greater whole?

Do your representational tools reflect the ocean's real dynamism, interconnectivity, fluidity, depth?

Do they form a coherent base of common understanding?



**Marine Spatial Planning is a
creative and aspirational act!**