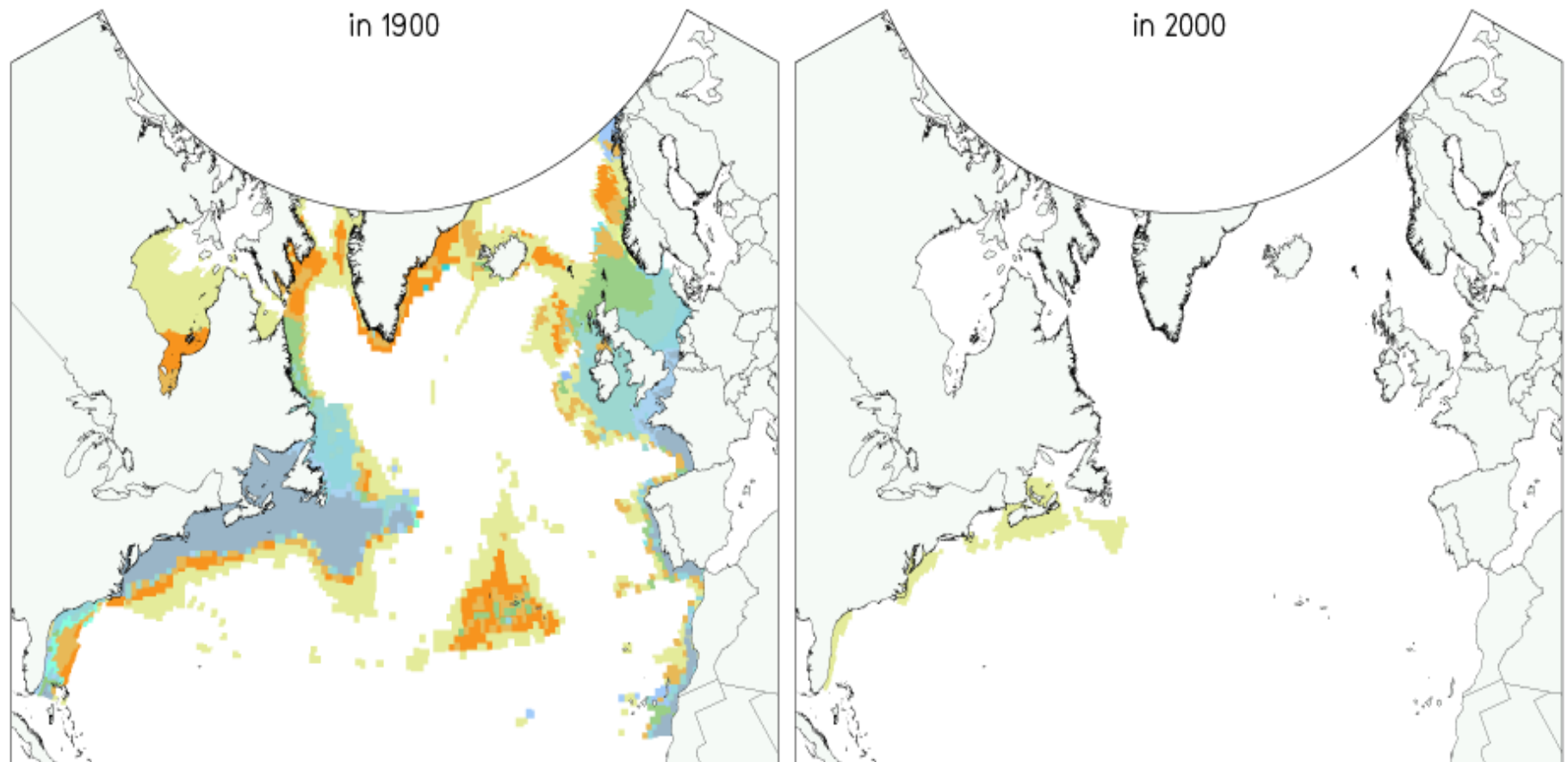


Plenty More Fish in the Sea?

Biomass of Popularly Eaten Fish



information
is beautiful

tons per km²
< 3 tons 3-6 tons 6-9 tons 9-12 tons 12+ tons

PEW

Design: David McCandless // Map render: Gregor Aisch
source: Hundred year decline Of North Atlantic predatory fishes, V Christensen et al, 2003

Joseph Rosnow

Geog 572 Self-Reflection #2

Spring 2018

- 1) The first component of Peuquet's Triad is the attributes or variables defined by the map. This is shown as the different Hue for the range of fish biomass. The map I picked the units are in tons per Km^2 . The variables being shown in this map is the change of fish biomass in tons per km^2 in 1900 to 2000 shown through a range of different hue.

The second component of Peuquet's Triad is the location the map portrays. This map shows the North Atlantic Ocean as far north at the Arctic Circle. I was a fan of this map because of the unique projection to show the data and the North Atlantic Ocean is also well known for being overfishing.

The third component of Peuquet's Triad is time. This map shows a split time frame: fish Biomass in 1900 and fish Biomass in 2000, the difference is what makes the maps argument.

After identifying each component of the Triad this map fits the conceptual framework and simply shows a dramatic change in fish biomass over the last 100 years.

- 2) This map conceptualizes time using simple Universal Time (A and B) it shows linear succession of fish biomass for one century, it would be nice to have a couple more years. Although one could argue this map conceptualizes time using a cyclical time (1900, 2000) because there is only two years of data which leaves me wanting a little more!

- 3) This map is a static version, but the animated version was similar in nature. This map shows the temporal representation using an **Existential Change** with the complete disappearance of most of the attributes or objects in the 2000 instance, which represent a decrease in fish biomass.
- 4) I feel this map used the best option to conceptualize time any other option would have made the map complex and maybe a bit confusing. Maybe some data issues resulted in only two time stamps so turning the map into cyclic time would create difficulties for representing the data the same way. The three component of the triad were easily identified, maybe a scale and north star would help with detailing the location component but overall fairly simple. In my opinion the simplicity of this map is what makes it an effective one. When I think of ways to improve on this map I think creating an animation either showing every year or every 5 years for the range of the data showing which decade had the greatest impact on fish biomass, my guess it would easy to identify!

<https://www.theguardian.com/news/datablog/2011/jun/03/fish-stocks-information-beautiful>