Overall, I think the dashboard is a really helpful way to interact with the modeling results and visualize spatially and temporally the impact on the fishing industry. I also think it's great to have the ability to define the scope (spatial and/or temporal extent) of the results a user wants to see so that it can be tailored to their needs. I had a few ideas or questions for consideration, and happy to chat further about them or future iterations of the dashboard 🙂

General

[I think this may already be planned based on your comments in the last sync?] As you reach the final user-facing version, just curious your thoughts on an initial landing page (or drop down) with information about what the dashboard is showcasing (including a link to the more detailed methodology report you are working on), the abbreviations used, and what the layers represent as a way to orient the user to questions that can be asked. Then, from the landing page, can click into the map or the forecast tab.

Recommend testing moving the layer toggle to either the top left or top right, and then have the legends grouped together if the underlying visualization allows. Will that provide room for additional context information and/or streamline navigating the map?

Are you planning to link to the datafishr package and your curated data sets from the dashboard as well?

Modeled Oceanographic Variables Tab:

What do you think about specifying the timeframe the modeled data are representing -- for example, describing whether it is an average over X years, or representing forecasted state at year Y? If the output data support it, do you have any plans to enable the ability to view outputs at each time step?

A hover tooltip/pop-up with layer values for pixel could be a helpful way for users to drill into their area of interests and see the specific values.

I know we already discussed the Marine Heatwaves legend -- switching to a color-blind friendly scale and centering the middle part of the diverging color scheme at value = 0 -- as you iterate on those values. Do you anticipate also having a way to describe it as % change in # of events? Or is there another unit of measure that you think fishing operations are interested in as well?

Recommend spelling out SST if it fits in the legend and as you log-transform the values to be able to better see the differences across the area

Fisheries Forecast Tab

I know you are working on fixing an issue where if you change the dates or species, the graph does not render. Just letting you know that I had the same results.

If you think the graph is not the format decision makers and fishing operations want to consume, what do you think of a heat map table? It could have species as the rows and the dates as the columns with the color scale based on min/max values. Would that be a way they could estimate which years they may have to invest more hours to get the same amount of catch?