

Science is an art.

When they come together that's when truly wonderful things happen.

I am going to challenge you to try to be your best scientist today,

but also to challenge yourself to think like an artist today.

You will receive both a group grade and an individual grade for this.

Here are some things you can do to be a good group member:

We all promise to listen to each other's ideas with respect.

We all promise to do our work as best as we can.

We all promise to do our work on time.

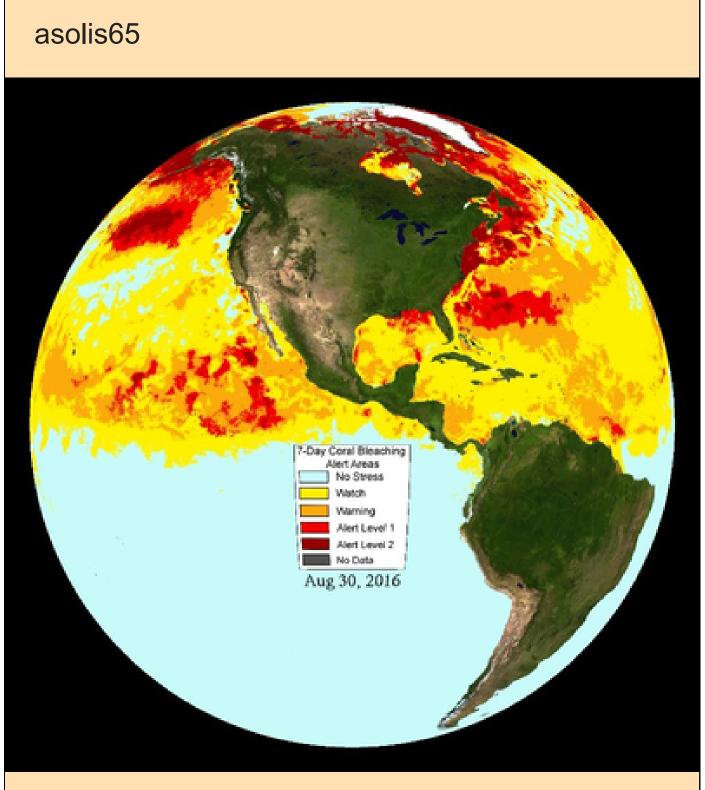
We all promise to ask for help if we need it.

With your group:

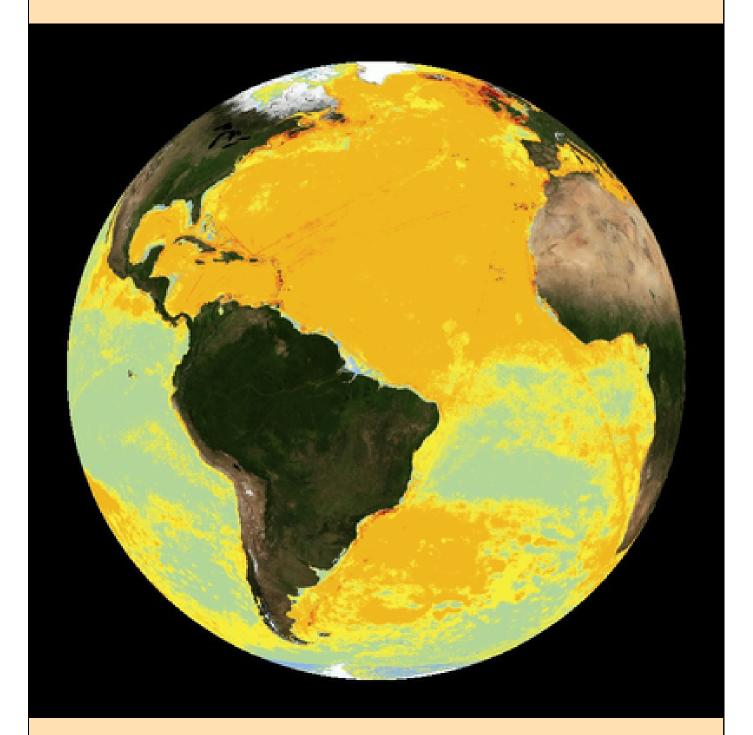
Look at the following maps, and figure out with your group which map you would want to reimagine.

Environmental Impact Maps (yellow)

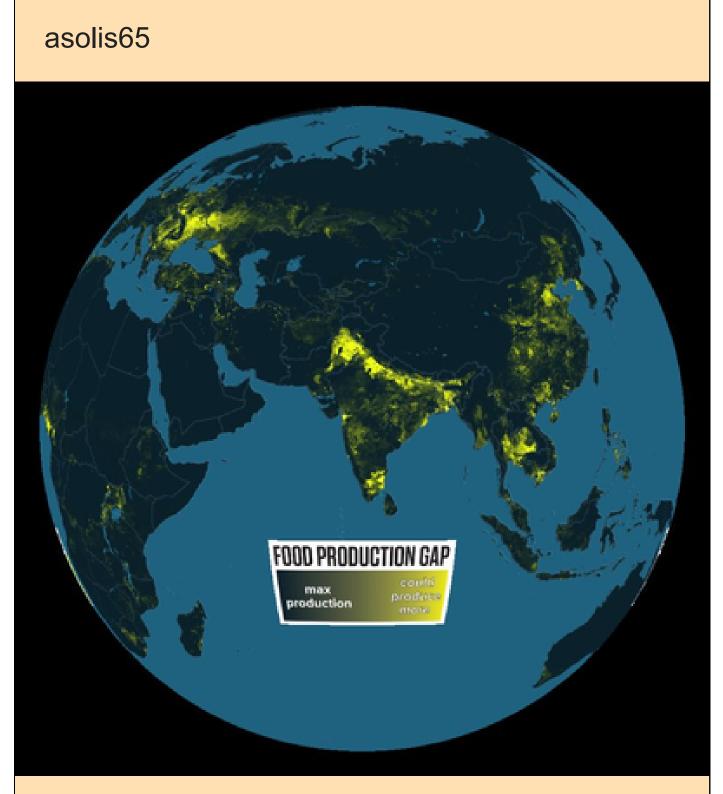
Your group must do 2 of the maps from the first maps (yellow cards).



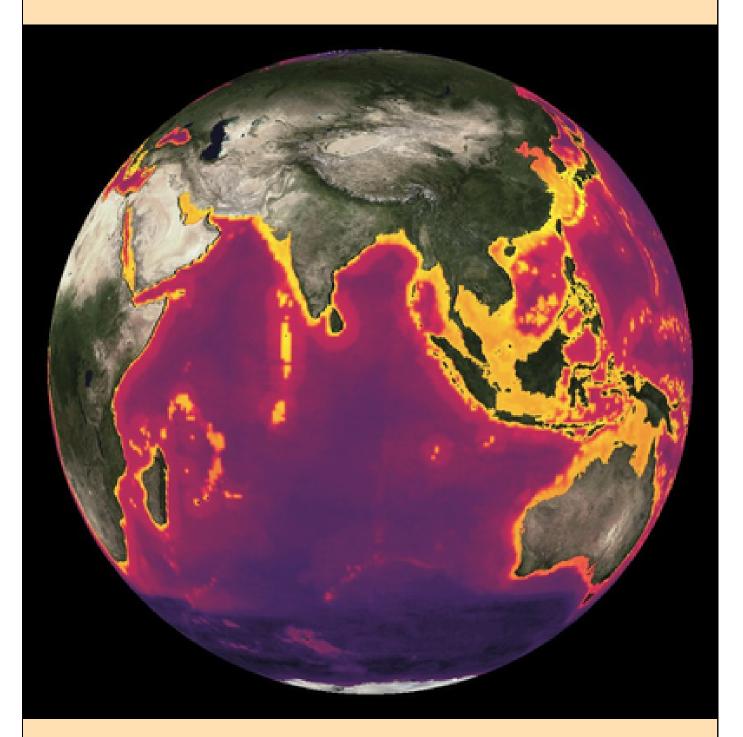
https://sos.noaa.gov/catalog/datasets/coral-bleaching-aler ts-real-time/



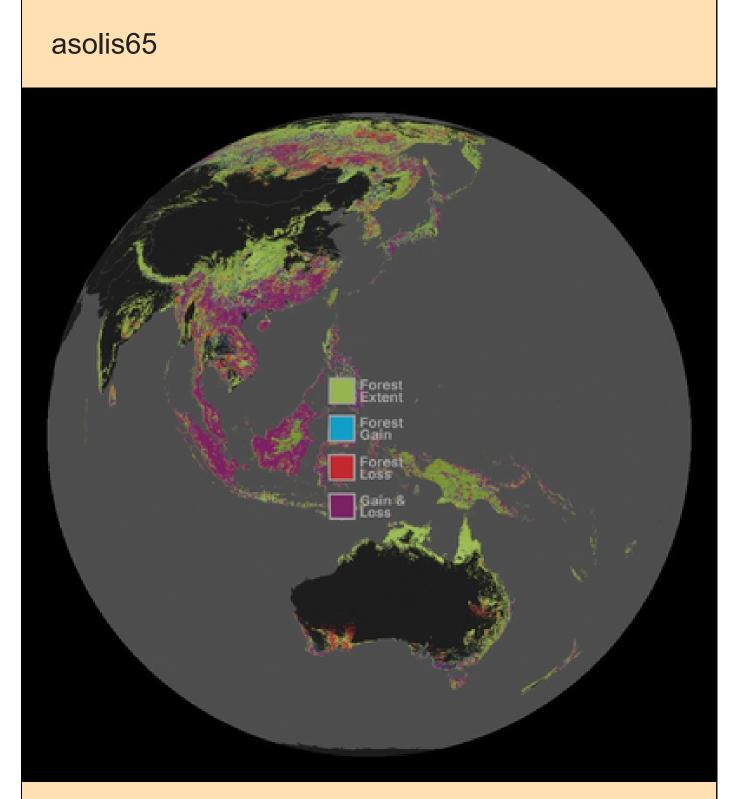
https://sos.noaa.gov/catalog/datasets/human-influences-o n-marine-ecosystems/



https://sos.noaa.gov/catalog/datasets/agriculture-cropland -production-gap/

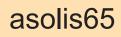


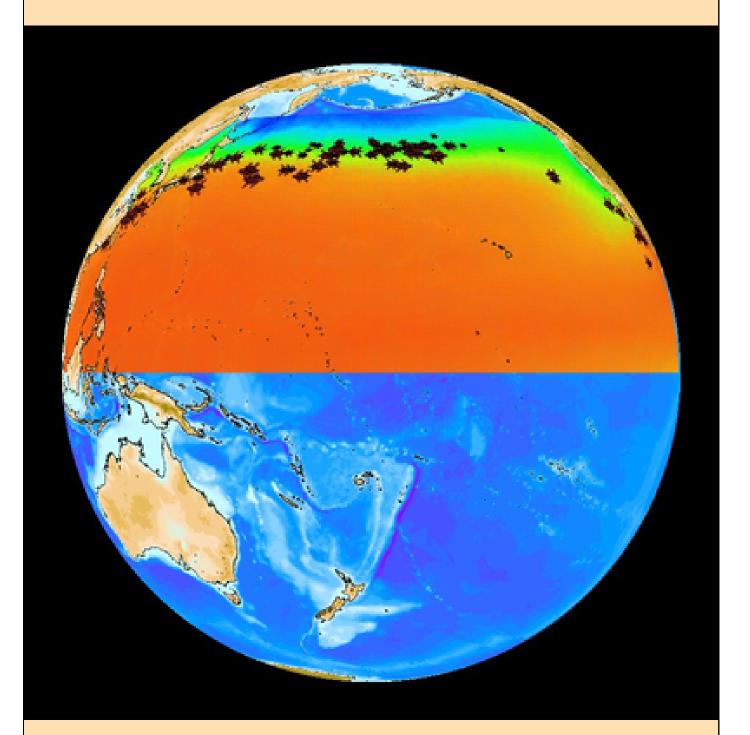
https://sos.noaa.gov/catalog/datasets/fisheries-species-ric hness/



https://sos.noaa.gov/catalog/datasets/forest-change-exten t-gain-and-loss-2000-2014/ https://sos.noaa.gov/catalog/datasets/forest-change-exten t-gain-and-loss-2000-2014/

(Period 5 you cannot use this map)





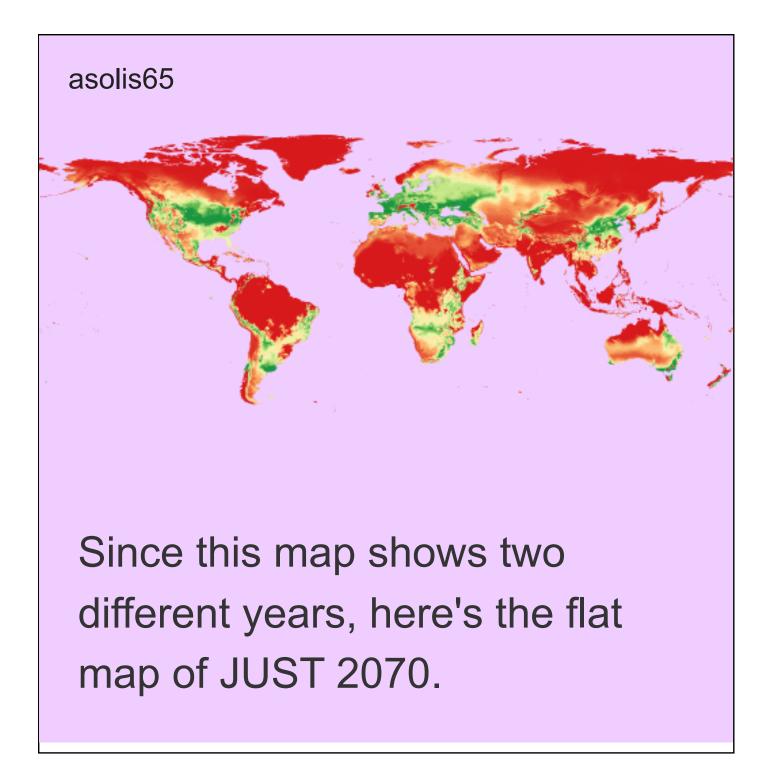
https://sos.noaa.gov/catalog/datasets/loggerhead-sea-turt le-tracks/

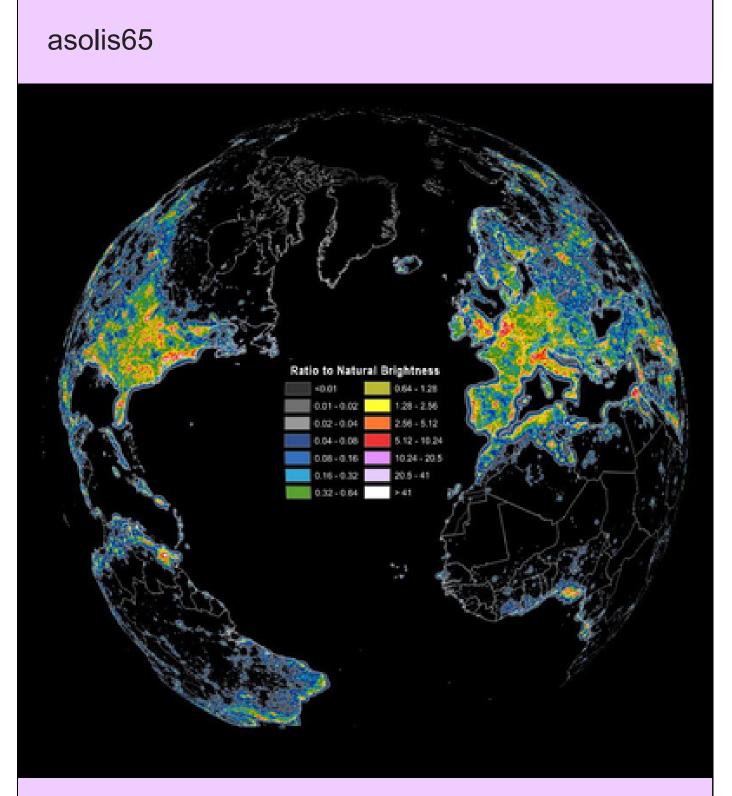
Human Activity Maps Group (purple)

Your group must do 2 of these maps from this second group (purple cards).



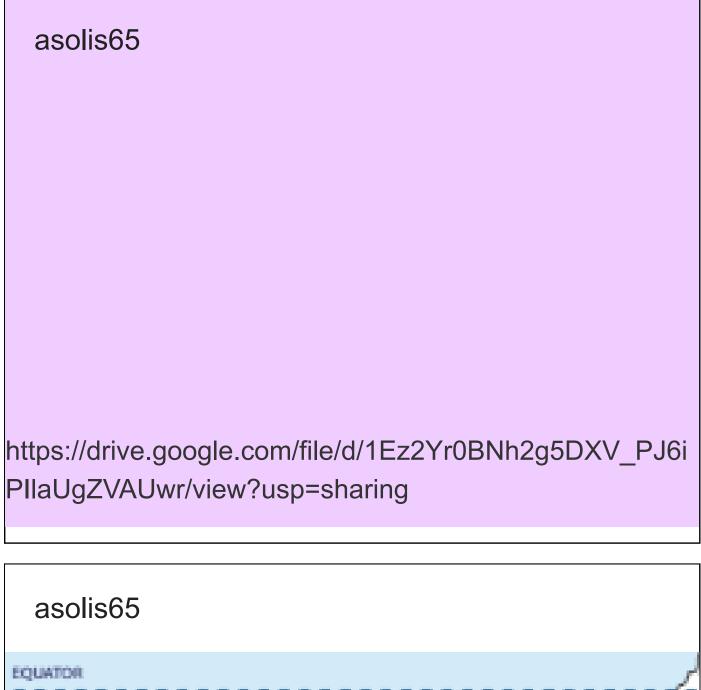
https://sos.noaa.gov/catalog/datasets/human-climate-nich e-2020-and-2070/





https://sos.noaa.gov/catalog/datasets/light-pollution-artifici al-sky-brightness/

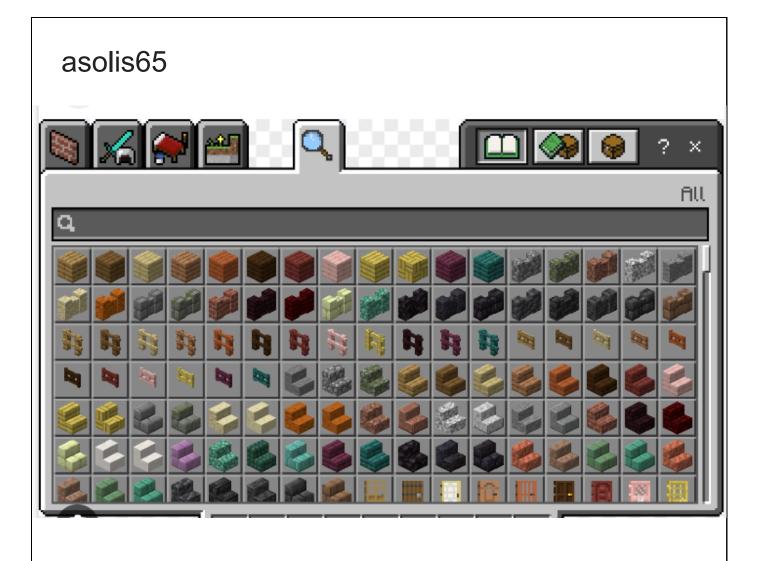




EQUATOR		- more
	LEGEND:	<

The #1 most difficult part of this project is imagining the new way you will show the data.

So we are going to do a practice version of our map legend.



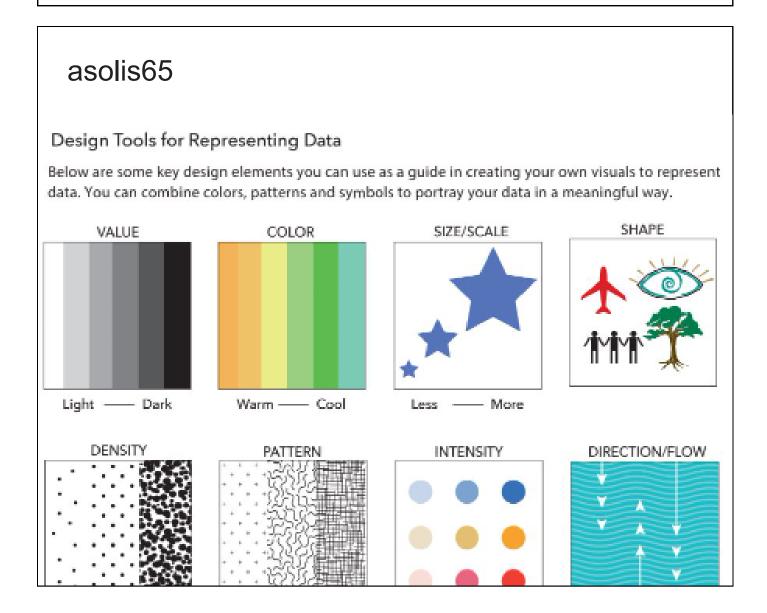
Think of your legend kind of like an inventory.

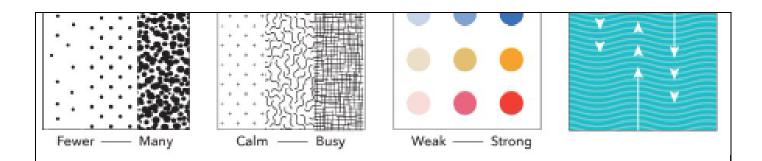


asolis65		
EQUATOR LEGEND:		
Please open your notebook to your next open page.		

Please open your notebook to your next open page.

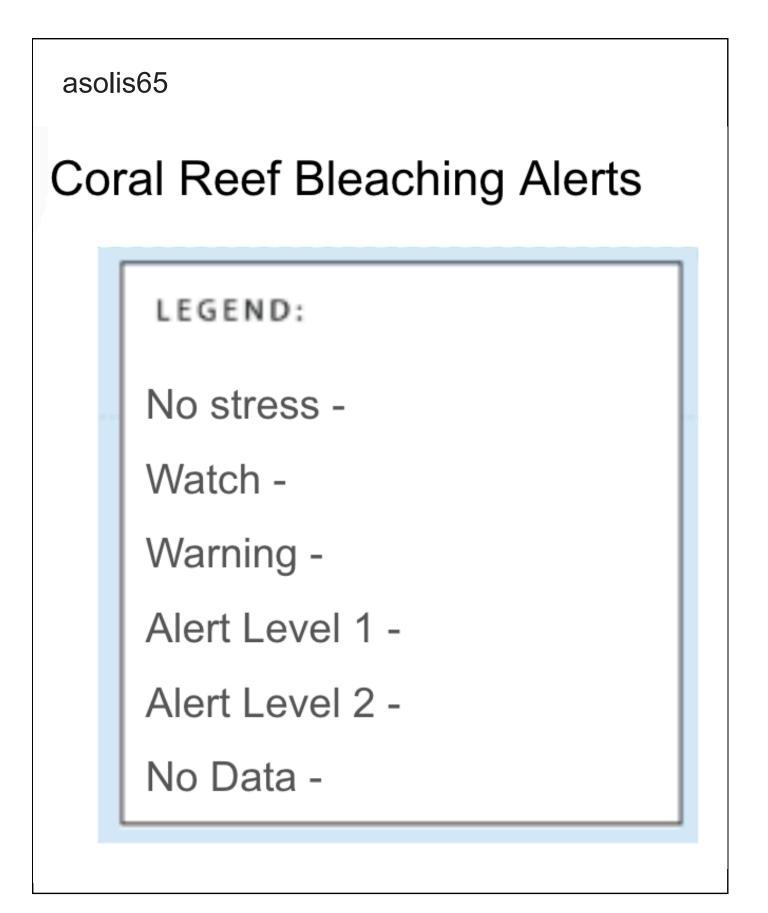
And draw in a blank legend box, it should be about one quarter (1/4) of the page.





All of your maps currently use "color" as the main way to show the data.

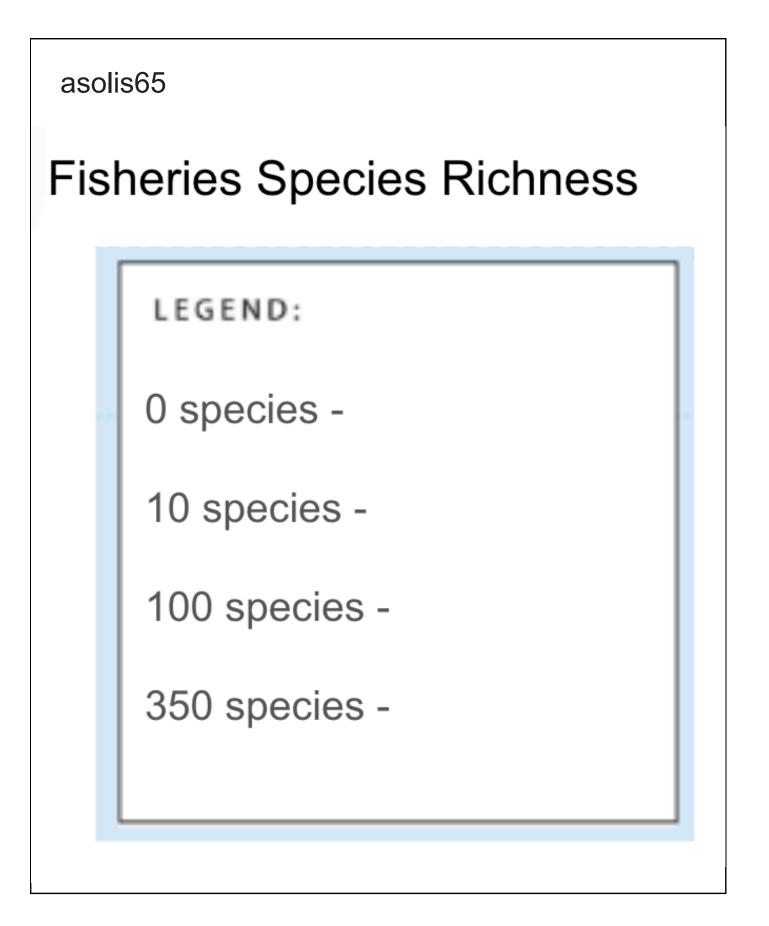
You need to use a different category than just color. You cannot just use different colors and receive an A on this.



```
asolis65
Human Impacts on Marine Ecosystems
    LEGEND:
    Very Low -
    Low -
    Medium -
    Medium High -
    High -
    Very High -
```

asolis65			
Hur	Human Climate Niche 2070		
	LEGEND:		
	Less Suitable -		
	More Suitable -		



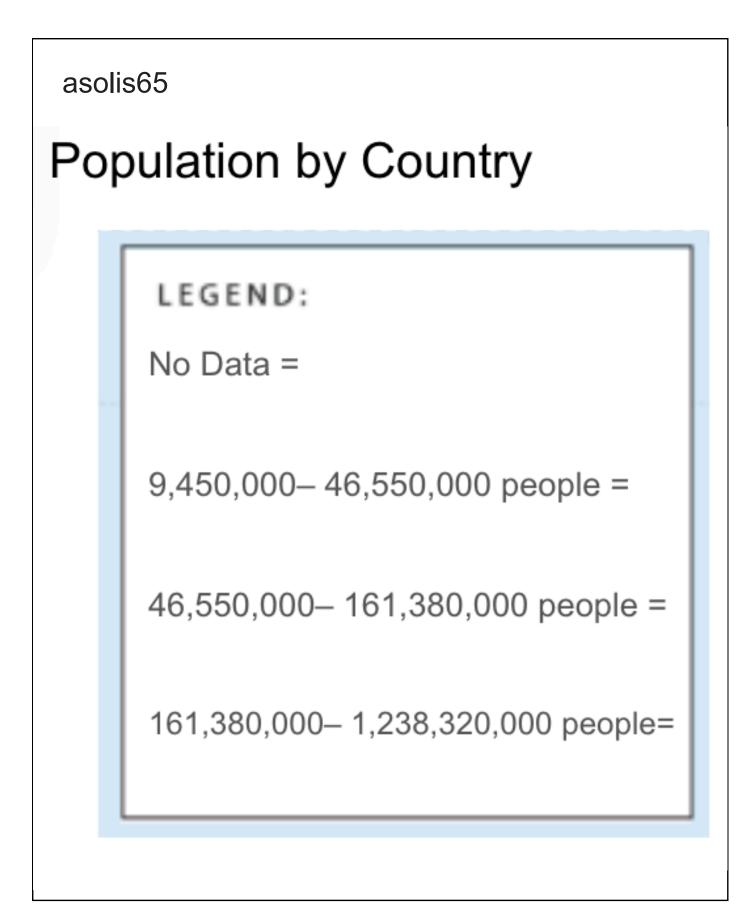


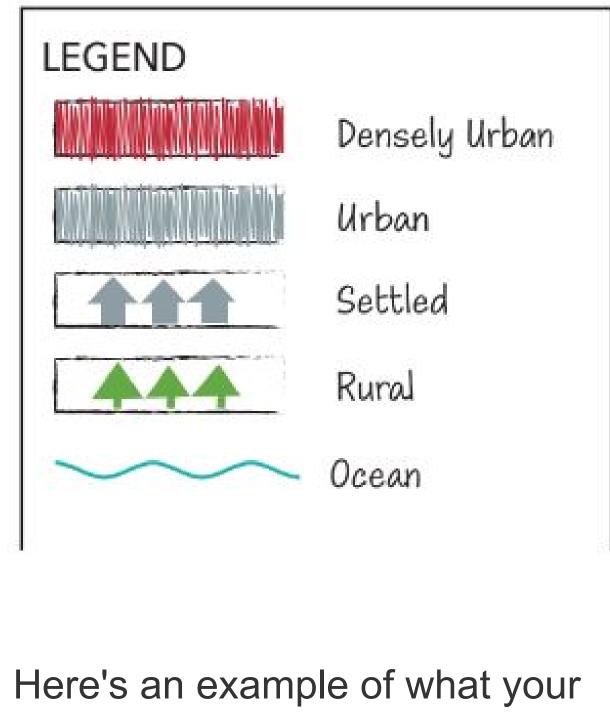
asolis65		
Forest Gain and Loss		
	LEGEND:	
	Forest extent:	
	Forest Gain:	
	Forest Loss:	
	Gain and Loss:	

asolis65 Sea Turtle Tracks and Sea Temperature			
	LEGEND:		
	Turtle Track -		
	Warmer Ocean -		
	Colder Ocean -		



asolis65 Human Transportation		
	LEGEND: Flights -	
	Ships -	
	Roads -	





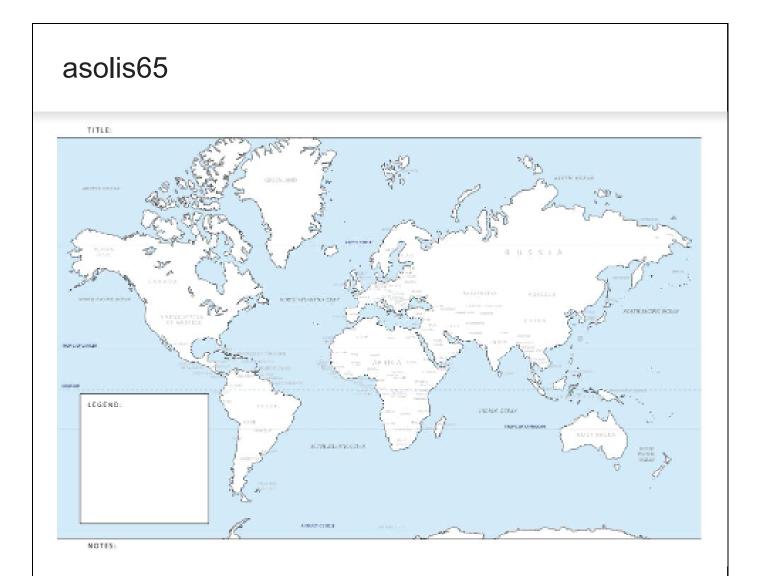
legend might look like.

legend might look like.

asolis65

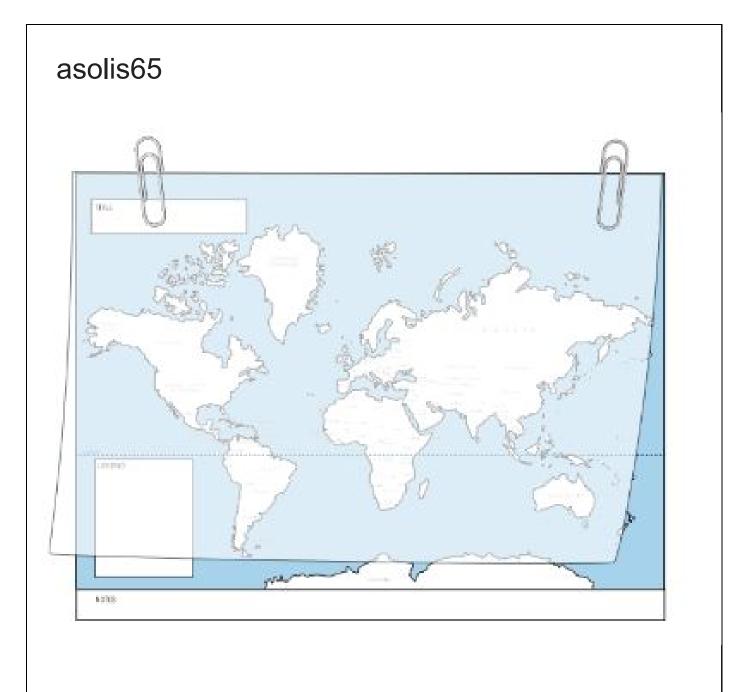
When you think your legend shows the data in a new way, please come and show me.

If I approve you will get the following materials.



DO NOT write on this.

You will put your tracing paper over this. Don't even think about writing on this paper...



Please use two paper clips to put your tracing paper on the big map

2. 2. (A)





For the rest of class today:

1. Move to your assigned groups.

2. Go to Day 71 to see your maps again. You can also use your SOS Explorer app to see the flat version of the maps.

3. When I call your name come get your map from last class.

4. Look at the "legend" or "key" of the original map in the original website.

5. Now "translate" the data from the original map into your new and improved way, using your new legend.

Grading:

- 1. Map is complete
- 2. Map shows accurate data from original dataset
- 3. Map represents the data in a way that is different from the original dataset.

asolis65 (pm)

Leave the map with paper clips on your table.

Bring your map to the counter.

All tables must have 2 maps with 2 paper clips each 1 "data tools" chart in sheet protector 1 art box