

Climate Change Visualization

Release Plan 2

1. High Level Goals

- a. More visualizations related to text on home page
- b. Have each visualization be more intuitive and give users a sense of urgency and understanding
- c. Enhance visualizations by including difference between years (just temperature and CO2 visualizations).
- d. Incorporate predicted future data (point of no return statistics).
- e. Incorporate search bars on maps
- f. Asynchronous updates

Sprint 1:

- Homogenize all visuals
- Re-Organize src folder
- Condense web pages
- Accumulate prediction climate data
- Change name and make logo
- Clean/debug ALL visuals → Backlog as needed

Sprint 2:

- Add writing to webpages → Learn how to place text effectively and cleanly
- Parse → Generate/debug prediction data visual
- Finish Debugging ALL visuals

Sprint 3:

- Add additional options for visuals
 - Filters/Different ways to visualize
- Integrate prediction visuals to website

Sprint 4:

- Re-write and refine website text to convey better meaning
- Final Debugging for visuals
- End of sprint 4, NO MORE VISUAL WORK

Sprint 5:

- Front end cleanup, make everything look pretty
 - Text/images/links etc

2. User Stories

- a. *Sprint 1 (4/8-4/18)*
 - i. As a developer, I want to find a reliable source for predicted climate change data in order to inform the user about where we are headed as a society (7)
 - ii. As a user, I want to see ALL countries displayed on the choropleth map
 - iii. As a user, I want to be able to view predicted future data to inform me on where the state of climate change is headed (14)
- b. *Sprint 2 (4/19-4/29)*
 - i. As a user, I want to be able to adjust the CO2 visualization to view the difference between years so I can better see how countries have changed their CO2 emission levels over time. (14)
 - ii. As a user, I want to be able to adjust the temperature visualization to view the difference between years so I can better see how countries temperatures have changed over time. (14)
- c. *Sprint 3 (4/30-5/10)*
 - i. As a user, I want more visuals on the home-page to break up the long blocks of text and enhance my understanding of climate change (21)
- d. *Sprint 4 (5/11-5/21)*
 - i. As a user, I want to be able to search for a specific country in the world map and obtain all relevant climate change data about that country (7).
 - ii. As a user, I want to be able to search for a specific continent in the world map and obtain all relevant climate change data about that continent (7).
- e. *Sprint 5 (5/21-5/31)*
 - i. As a user, I want my data to update automatically so I am always looking at the most up to date and relevant data (35)

3. Product Backlog

Meeting Times:

PPP meeting: Social Sciences 110 Tuesday 8am

TA meeting: Reihaneh S2-137 Thursday 8am

Saturday: Group Programming (Voice Call) @1-5PM

Monday: Voice Call @ 2PM??? → Ask Steve

Meetings after PPP/TA meetings