



TerraViz

A map visualization web-app

Our vision is to make climate change tangible!

Problem

Yearly increase of overall CO2 emissions



Only $\frac{2}{3}$ of world population see climate change as emergency



Climate Change



**10.1 million acres were burned in 2020
= $\frac{1}{3}$ of the area of Germany**

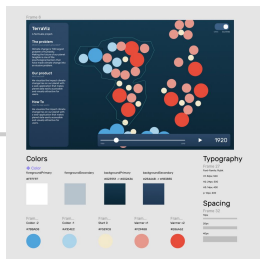


Global water temperature rose 1.3°C over the last century

Solution

DS

How can we best prepare the necessary data?



```
[
  {
    "dt": 1743,
    "Country": "Albania",
    "AverageTemperature": 8.62,
    "latitude": 41.153332, "longitude": 20.168331
  }, ...]
```

WD

How can we best present this topic to the user?



Webapp
Interactive Visualization

Tech Stack

WD(Front-end)



DS



Design



Base Map



Deployment



Success Story

What we are happy about :

- ▮ Successfully delivered our MVP
- ▮ Designed our app together without UX/UI designer

What challenges we faced:

- ▮ How to render the large size of dataset properly synced with the time slider
- ▮ Generally concerned about some performance issues with the data
- ▮ Challenged to make the map and slider work in React since React and map visualizations don't mesh well (Vanilla JS would be preferred)

Team Members

DS



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Thank you!



TerraViz