UNEARTHING THE ENVIRONMENTAL IMPACT OF HUMAN ACTIVITY:A GLOBAL Co2 EMISSION ANALYSIS

1.INTRODUCTION

1.1 Overview

In this era, Global Warming is one of the biggest challenges being faced by everyone. Co2 emission by human activities have raised the carbon dioxide level in atmosphere which warms the planet and is responsible for climatic changes.

In this project we analyzed and visualized the overall emission of Co2 made by some key factors like burning of fossil fuels for electricity, heat and transportation. Deforestation for land use by humans and many activities which was responsible for this emission of Co2.We analyzed it across countries and Region of Earth from 1975 to 2020 in different forms and its effect on everyone.

1.2 Purpose

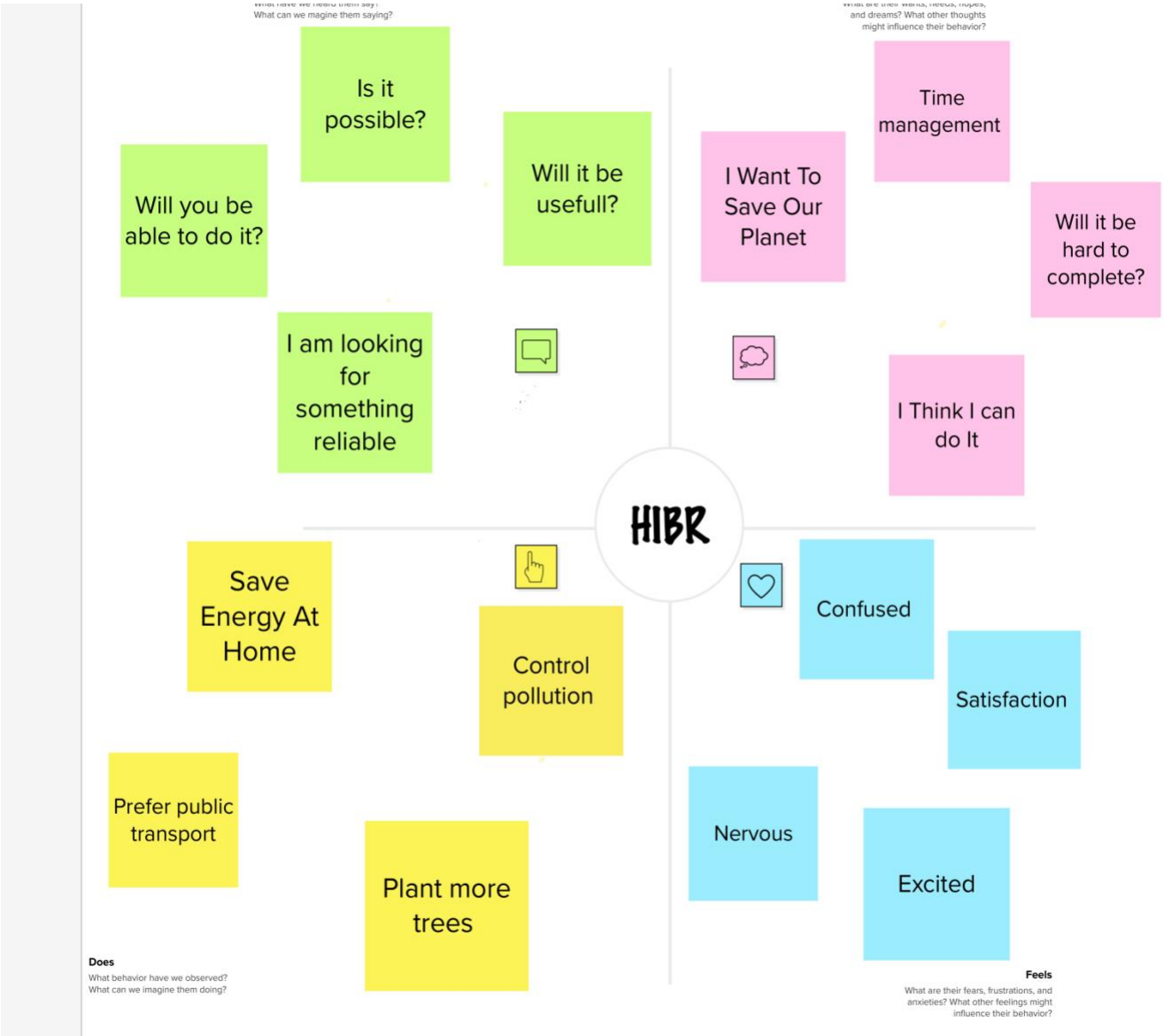
The purpose of this project is we were able to analyze and visualize the emission in all the countries. This will help us to know about the emissions that have been made by countries and continents.

The report finds that global growth in emissions was not as high as some had originally feared amid the disruptions caused by the global energy crisis.

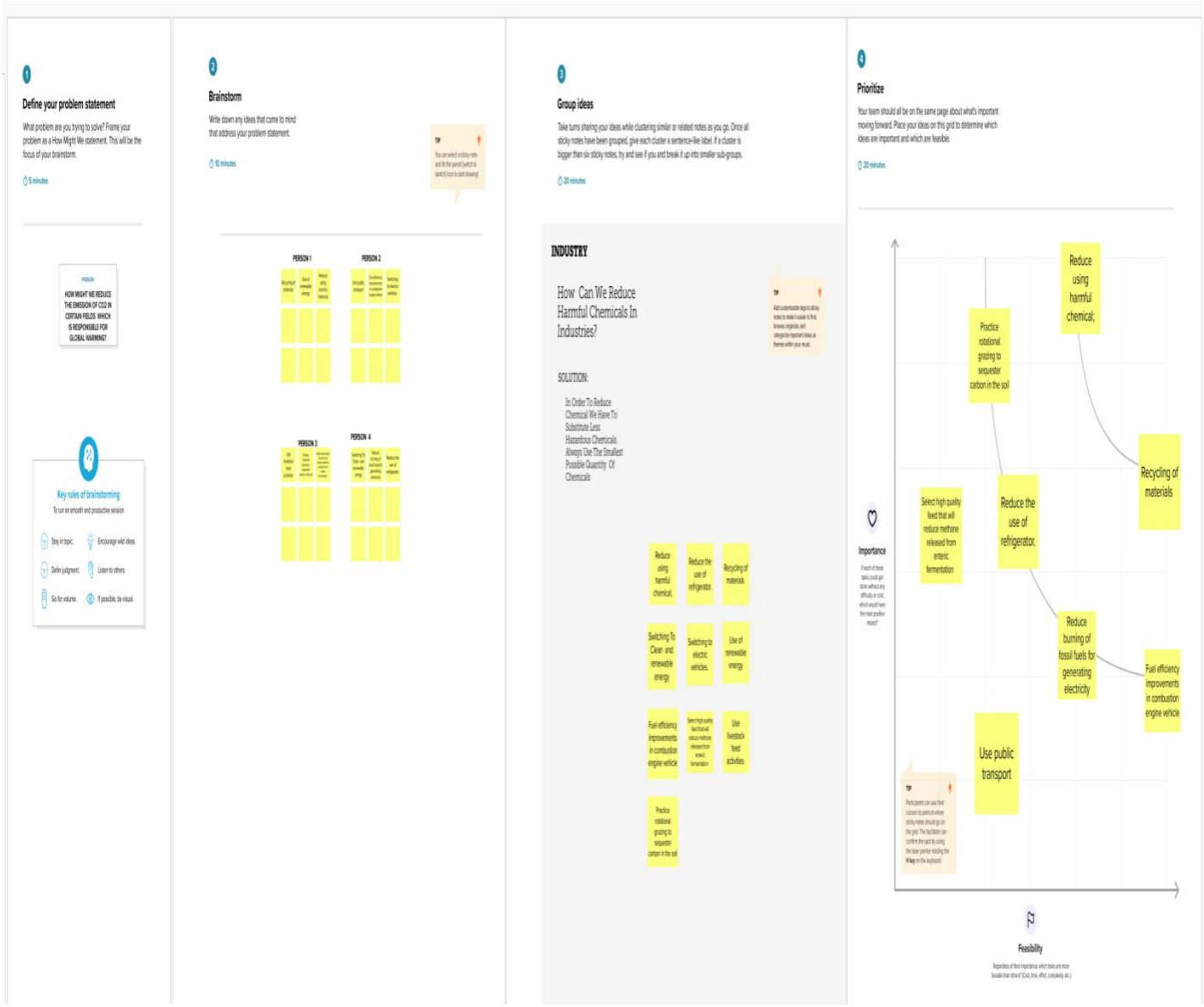
understand the relative importance of a given source compared to other sources and in developing emissions inventories

2.PROBLEM DEFINITION & DESIGN THINKING

2.1 Empathy Map



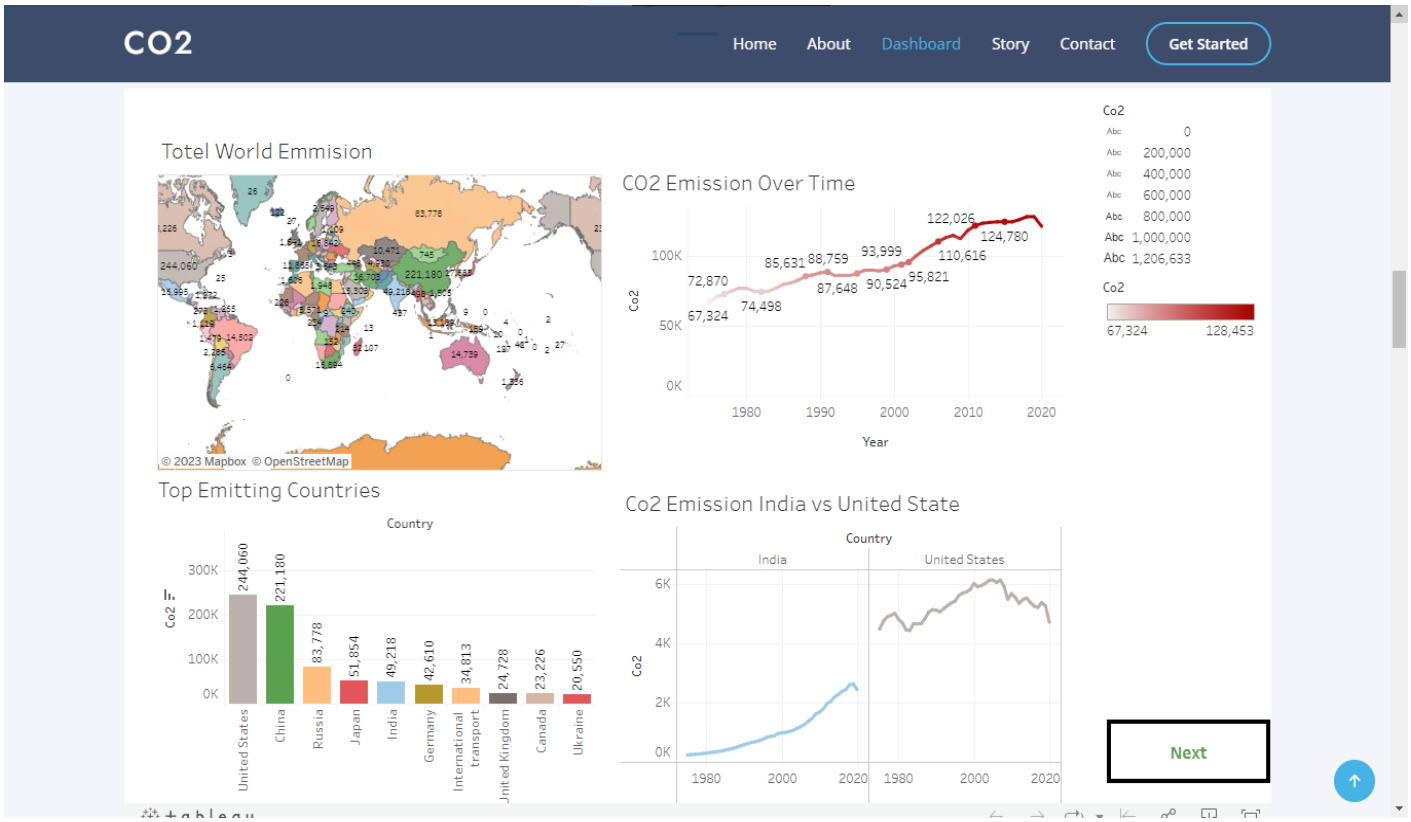
2.2 Ideation & Brainstorming Map Screenshot



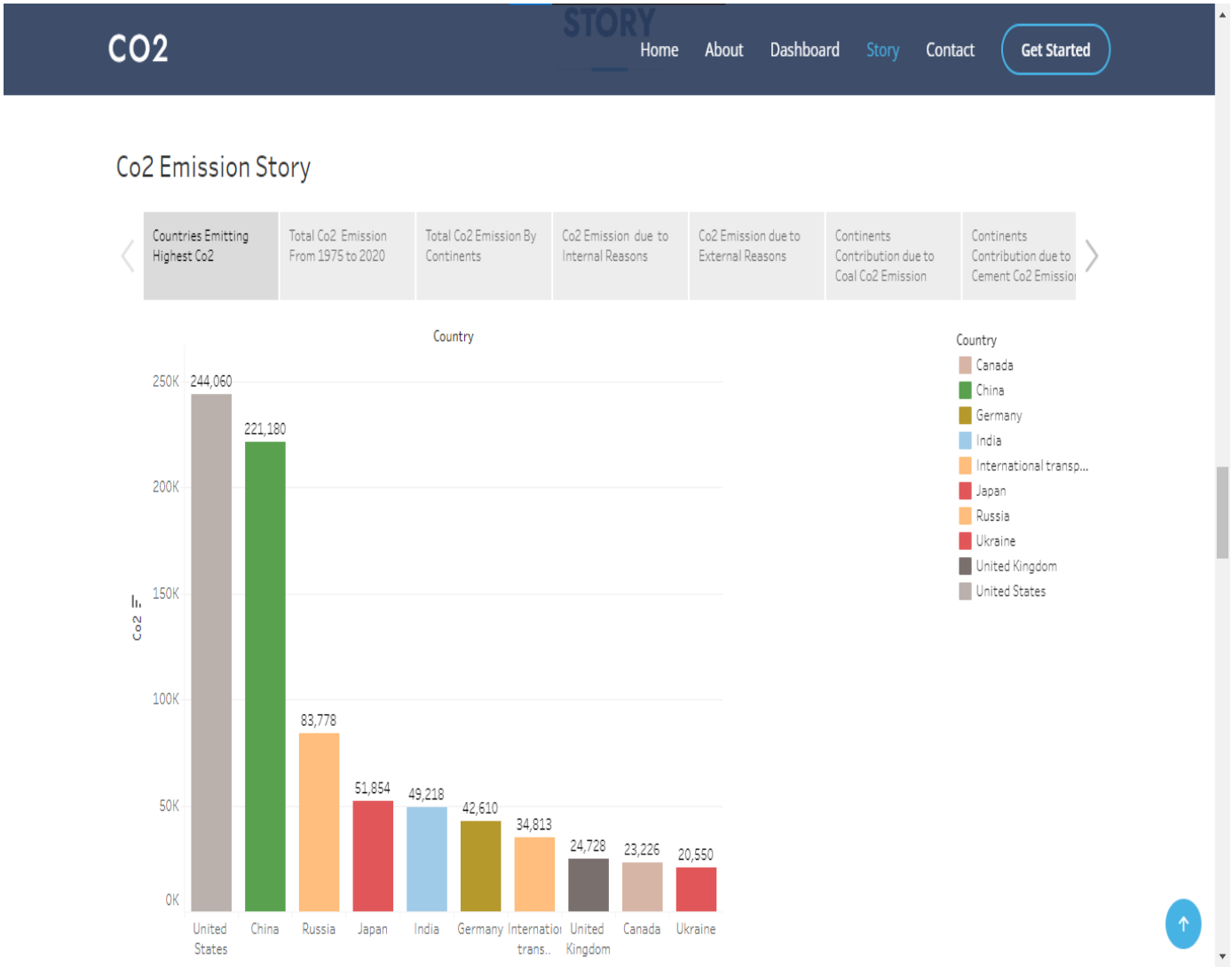
3 .RESULT:

The final output of our project,

DASHBOARD:



STORY:


CO2
STORY
Home
About
Dashboard
Story
Contact
Get Started
Co2 Emission Story
Countries Emitting Highest Co2
Total Co2 Emission From 1975 to 2020
Total Co2 Emission By Continents
Co2 Emission due to Internal Reasons
Co2 Emission due to External Reasons
Continents Contribution due to Coal Co2 Emission
Continents Contribution due to Cement Co2 Emissio
Country
250K
200K
150K
100K
50K
0K
244,060
221,180
83,778
51,854
49,218
42,610
34,813
24,728
23,226
20,550
United States
China
Russia
Japan
India
Germany
Internatio trans..
United Kingdom
Canada
Ukraine
Country
Canada
China
Germany
India
International transp...
Japan
Russia
Ukraine
United Kingdom
United States

4. ADVANTAGES:

- Carbon dioxide is an important greenhouse gas that helps to trap heat in our atmosphere.
- Helps us to know about the approximate emission of each country an continents.
- Enables us to know about the key factors that plays a major role in emission with the help of bar graph, pie chart etc.,
- Time efficiency.

DISADVANTAGES:

- It took a longer time to analyze the problem.
- Tableau is not a complete open tool . Any new visuals need to be recreate instead of imported .
- We cannot find the exact emission of Co2 in the world,Only approximate values can be determined.

APPLICATION:

Industry:

By recycling of materials, using of renewable energy and by reducing the usage of harmful chemicals.

Transport:

By switching to electric vehicles and improvements in fuel efficiency in engine vehicles.

Agriculture:

Selecting high quality feed that would reduce methane released from enteric fermentation and practice rotational grazing to sequester carbon in the soil.

Environment:

Reducing the usage of refrigerator, burning fossil fuels for generating electricity and switching to clean and renewable energy.

CONCLUSION:

The effects know no boundaries and both developing and developed countries are, and will be, sharing equally for the rising level of atmospheric CO2. Every human,Every country should realise the effect and reduce the emission

carbon emissions efficiency of heavy industry in the industrial system. But it does not need to be considered when calculating the carbon emissions efficiency of other industries.

China's government needs to actively optimize the industrial structure and increasing the proportion of the structure serving low-carbon industries such as and light industry have a positive effect on carbon dioxide emission reduction. Meanwhile, the future optimization of industrial carbon emissions efficiency should focus on industries with low carbon emissions efficiency, such as power sector, fossil energy, transportation, chemical industry and heavy industry. There is still a lot of room for these industries to reduce emissions by optimizing carbon emissions efficiency.

For the energy industry, the optimization of carbon emissions efficiency is still not obvious, especially in the fossil energy sector. Therefore, in the process of follow-up industrial low-carbon development, we need to pay special attention to the low-carbon process of energy industry, actively promote the innovation and upgrading of energy industry technology, and improve the carbon emissions efficiency of energy industry in combination with corresponding policy guidance.

FUTURE SCOPE:

The research time of this project can only be up to 2020,and the latest industrial carbon emissions efficiency cannot be calculated.

We can also upload our dashboard and stories to Google which might be more useful for people.

We can find solutions to reduce the amount of Co2 emissions.

APPENDIX:

index1.html