# UNEARTHENING THE ENVIRONMENTAL IMPACTOF HUMAN ACTIVITIES: A GLOBAL CO2 EMISSION ANALYSIS

#### PROJECT REPORT

### 1. INTRODUCTION

### 1.10verview

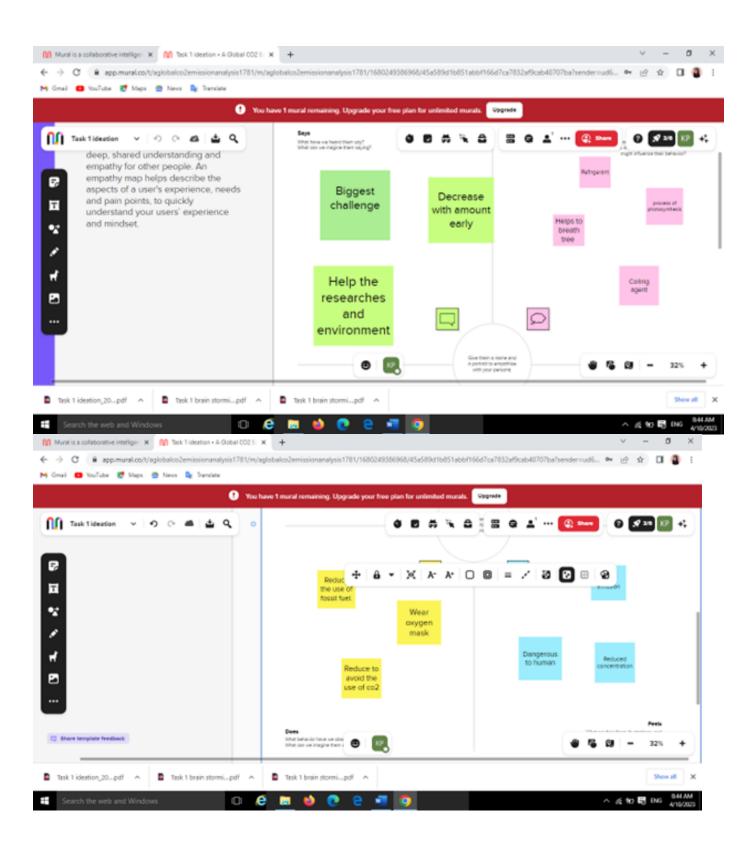
Co2 Emission provides a complete picture of energy-related greenhouse gas emission. The report finds that global growth in emission was not as high as so had originally feared amid the disruption caused by the global energy crisis.

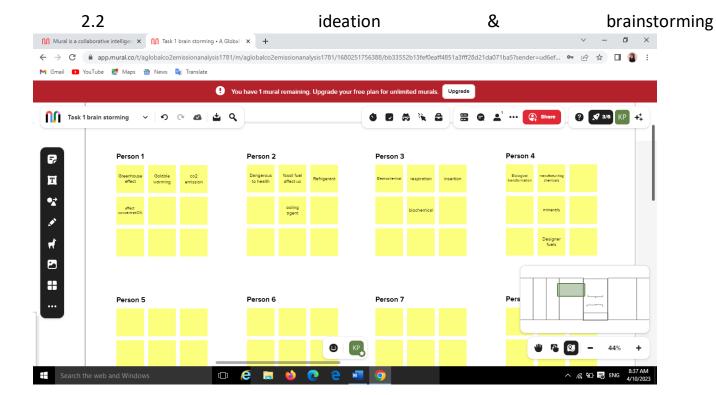
# 1.2Purpose

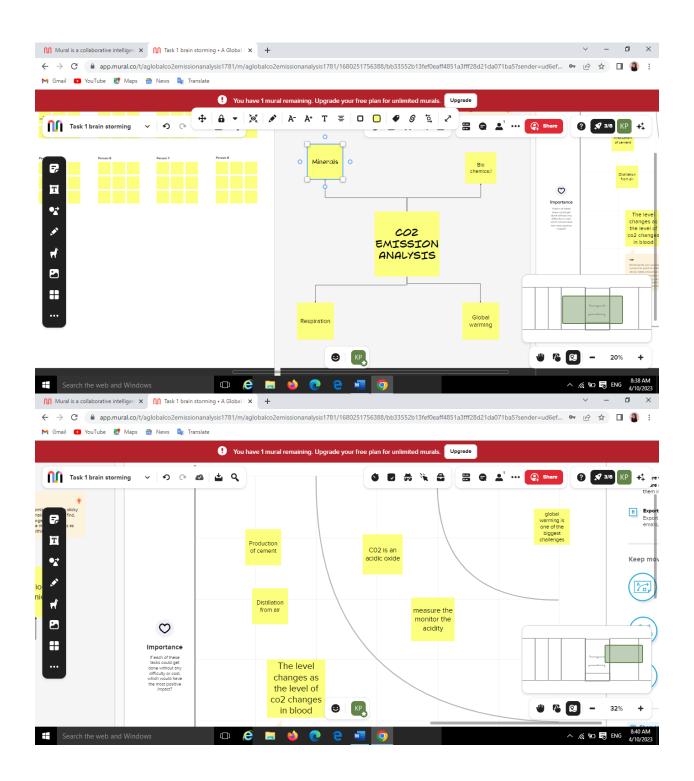
The Carbon in co2 can be used to produce fuels that are in use today, including methane, methanol, gasoline and aviation fuels.

# 2. Problem Definition & Design Thinking

# 2.1 Empathy Map

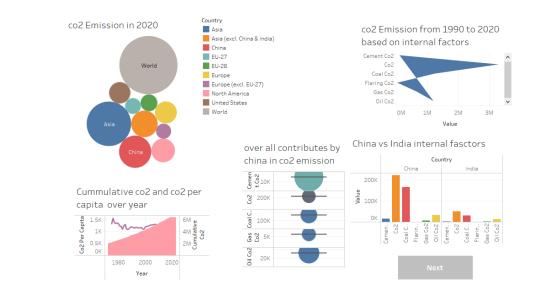






# 3. RESULT







# 4. Advantage & disadvantage

## Advantage:

- Concentrated in co2
- High pressure
- Removes the need for co2piping to transport the gas to underground storage sites.

# Disadvantages:

- Direct cycles require removal of water from the fluid before recycling.
- Gas turbines running on hydrogen are a huge challenge.

# 5. Applications

Using various catalyst, co2 can be made into a variety of chemical intermediaries' materials that then serve as feedstocks in other industrial processes, like

- Methanol
- Syngas and
- Formic acid.

#### 6. Conclusion

Co2 capture and storage is technologically feasible and could play a significant role in reducing greenhouse emission over the course of this century.

# 7. Future Scope

The latter, which sees most emissions come from deforestation and peatland clearance, now says it will cut emissions level by at least 31.89% by 2023. Globally, inadequate pledges put the world on a path to warm by 2.5 by 21000. Still, 10.6% increase in emissions represents slight progress.

# 8. Appendix

A. Source code: Kavitha's Team Project.html