

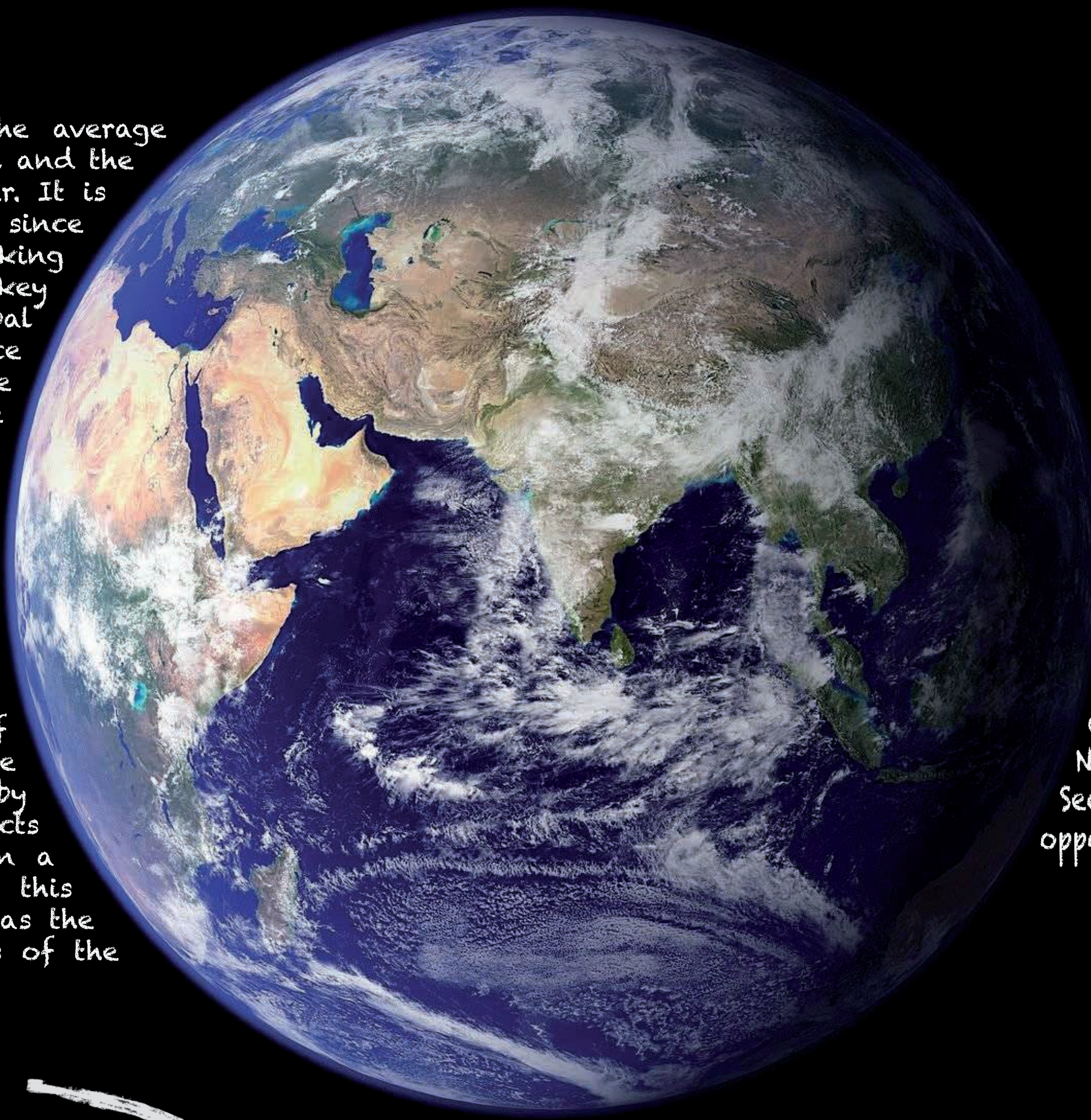
Green Efforts to Save the World and the Use of Google Earth Media

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INTRODUCTION

Over the last hundred years, the average global temperature rose by 0.74°C and the pace of increase is getting faster. It is mostly caused by human activities since the Industrial Revolution, taking burning fossil fuels as a key contributing human factor of global warming; it is estimated to produce 80% of global energy. Large amount of carbon dioxide produced has led to the trapping of energy, from long wave radiation, on earth to warm and heat up our atmosphere.

In response to the urgent call by various committees to respond quickly to the climate change, we embarked on the research. We have studied the impact of climate change and explored the green solutions adopted by countries to minimise the impacts and to help their people live in a sustainable environment. In this project, Google Earth was used as the platform to present the findings of the research.



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METHOD

We divided the world into 4 regions for each member of the team to conduct the research. The research included the impacts of climate change on the many aspects of human daily life and countries' responses to climate change. The second part of the project was to combine the results of research and use Google Earth as a tool to present the results. Google Earth can be used to show the location of any country and district, as well as to add words and images to illustrate our research pertaining to the region. Place marks were added all over the world in Google Earth and a tour connecting all the place marks were made with the song "We Are the World" as the music background to present all the place marks and information.

RESULT

Climate change has affected the world in many aspects of daily human life, including health, industry and transportation. In order to achieve sustainable living, both developed and developing countries use a variety of ways to save energy by looking for alternative energy to reduce the dependence on electrical energy. Singapore has also been affected by climate change and has done a lot to mitigate the issue of climate change such as greenhouse constructions and planting trees. In ZHSS, students have held campaigns to raise awareness of being green. These include switching off fans and lights to commemorate Earth Hour and recycling renewable materials such as newspapers. After concluding the research, we chose Google Earth as a visual tool to present how countries are affected by climate change and how they make use of green energy for sustainable living.

CONCLUSION

Our research revealed that global warming and excess greenhouse effect has brought negative effects on people and the environment. To combat these effects, several countries have found various ways to harness energies such as wind, solar and hydroelectric energy in response to climate change. We also learnt that Google Earth was a powerful tool which can be used to raise awareness of climate changes by presenting our findings in a visually captivating and interactive manner. In order to slow down the rate of rapid climate change, people should have more awareness and do their part to tackle the issues of climate change.

Poster designed by: Tan Li Ying, Rachel and Yap Xin Yue