

A Solution for the Desertification in Yellow Dust

1. Motivation behind Research Paper

These days, desertification is spreading and they cause yellow dust. Maybe most people don't know about yellow dust. How about you? When I listened to the presentation that is about desertification in my global research class, I knew that desertification was caused by human activity these days, and the yellow dust that is released into the air affects humans' health. According to the Ministry of the environment, yellow dust negatively affects people. They can develop allergies like sneezing, runny nose, respiratory diseases and cardiovascular diseases. I also have these symptoms when yellow dust flies. I want to stop this phenomenon that is caused by human activity, so I decided to search for a way to prevent desertification. In this essay, I will describe yellow dust and the solutions of desertification.

2. Introduction

The aim is to find a way to prevent desertification and what we can do to prevent this phenomenon. I will introduce what yellow dust is. According to the Geotechnical Glossary, yellow dust comes from arid regions in Eurasian Continent like the Taklamakan Desert, the Gobi and Loess Plateau. These deserts progress desertification by over-harvesting, overgrazing and so on. Yellow dust problems come from desertification. I found a way to prevent desertification when I searched for it. It is a desert greening activity. This activity is that people plant trees or grass to prevent desertification and to increase the amount of plants. Now, a lot of

organizations do this activity. For example, Toyota Motor Corporation, Toray industry, Tottori University and so on. I asked the question about a desert greening activity to the general incorporated association earth greening club that does a desert greening activity in Kubuchi Desert and Hongshandark Desert.

3. Results and Analysis

I asked the following six questions: 1. Does planting damage the ecology? 2. How do you do this activity in COVID-19 pandemic? 3. How does this activity take time until lands return to their original state? 4. What is the source of money for this activity? 5. What is the situation of people who live in the local area? 6. Do we have something to be able to do for this activity as high school students? Then, I got the following answers:

1. They use plants that are conventional species, so they can return to their original state.
2. There are staff in the local area, so effects by COVID-19 are very small. They exchange information about each other's local area by using social networking services and so on.
3. It takes time from 5 years to 10 years. This difference comes from the difference of plants' species.
4. The source of money is mainly donations, grants, greening businesses with companies.
5. They started to do this activity after that they received a request from local people. However, all of them don't always permit doing the activity in the local area. Since, they gain them confidence by doing the activity that blended into

their lives. For example, using fruit trees that can exchange money, using plants that may become pasture and so on.

6. It is physically and economically difficult for high school students to do desert greening activities, but we can think about solutions from various perspectives. It is important to consider solutions as high school students.

I focused on the fifth answer; They use plants that are redeemable. Desertification is mostly caused by humans, so we have responsibilities to bring the land back to its original state. However, we also have to think about the local people's lives. Desert greening activity is included No.13 and No.15 of Sustainable Development Goals.

4. Conclusion and Future Problems

Through these answers, I thought environmental greening is the best way to restore desert to its original and to prevent desertification. Through this exploratory activity, I learned about desertification and yellow dust in detail. These days, desertification comes from over-harvesting, overgrazing and so on. In the background of them, I think nature is broken because people only think about getting their benefits. In addition, yellow dust was originally a natural phenomenon. It was not an environmental problem, so it is important to get the original role of yellow dust back. There are many things I don't know about yellow dust yet. Therefore, we need to research more for the health hazards, demerit and merit of yellow dust.

5. Reflection

Through this exploratory activity, I felt there are many people who are doing activities to create a better earth. For a better future, I want to join a variety of volunteers or activities positively. Besides, I thought some phenomena become social problems caused by human activity. We have to consider that resources and the environment are broken because humans only think about their economic and living benefits. I have a dream to be a teacher. I would like to educate students and teachers about how to make a better future together. I want to be able to convey the results of these exploratory activities to the next generation.

6. Work Cited

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