

Proposed Research Topics in Mizo's Homework on April 26, 2024

1. Understanding the impact on biodiversity in Iitate Village, particularly plant biodiversity, using an interdisciplinary approach.
2. Comprehensive and in-depth understanding of the impact on local residents and their responses using an interdisciplinary approach.
3. Evaluating the impact of the nuclear accident on the income of farmers in Fukushima.
4. The relationship between soil radiation levels and the lives of local residents.
5. The Fukushima Special Support Education Promotion Plan.
6. Psychological impact on residents after the nuclear accident.
7. The impact of radiation on the ecosystem and wildlife in Iitate Village.
8. Evaluating the effectiveness of decontamination methods developed for the restoration of farmland.
9. Effects of efforts to restore and rehabilitate the ecosystem.
10. Assessing the efficacy of the Sunflower Project in Fukushima.
11. Video production.
12. Return rate of Fukushima residents.
13. Investigating the role of the government in constructing and engaging ecosystems to achieve significant improvements in a short period.
14. Current applications and future potential of ICT technology.
15. Creating a map of radioactive contamination on farmland.
16. Direct dialogue with local residents.
17. Hops cultivation and craft beer.
18. Impact of radiation on agriculture in Fukushima Prefecture.
19. Coastal fisheries.
20. Current state of radioactive contamination in rice, including I-131, Sr-90, and Cs-137.
21. Please classify the themes into three categories and describe their characteristics.

Analysis result by ChatGPT4o for question “Please classify the themes into three categories and describe their characteristics”.

Group 1: Environmental and Ecosystem Impact and Recovery

Topics:

1. Understanding the impact on biodiversity in Iitate Village, particularly plant biodiversity, using an interdisciplinary approach.
2. The impact of radiation on the ecosystem and wildlife in Iitate Village.
3. Evaluating the effectiveness of decontamination methods developed for the restoration of farmland.
4. Effects of efforts to restore and rehabilitate the ecosystem.
5. Assessing the efficacy of the Sunflower Project in Fukushima.
6. Investigating the role of the government in constructing and engaging ecosystems to achieve significant improvements in a short period.

Characteristics: This group focuses on evaluating the environmental and ecosystem impacts of radiation contamination and the efforts for recovery. Key topics include understanding the impact on plant biodiversity in Iitate Village, assessing the effects of radiation on ecosystems and wildlife, and evaluating the effectiveness of decontamination methods for restoring farmland. It also includes examining specific recovery strategies, such as the Sunflower Project and the role of government in ecosystem restoration, aiming for sustainable ecosystem regeneration.

Group 2: Social and Economic Impact

Topics: 3. Evaluating the impact of the nuclear accident on the income of farmers in Fukushima. 4. The relationship between soil radiation levels and the lives of local residents. 12. Return rate of Fukushima residents. 16. Direct dialogue with local residents. 17. Hops cultivation and craft beer. 18. Impact of radiation on agriculture in Fukushima Prefecture. 19. Coastal fisheries. 20. Current state of radioactive contamination in rice, including I-131, Sr-90, and Cs-137.

Characteristics: This group focuses on assessing the social and economic impacts of the nuclear accident on Fukushima. Topics include evaluating the effects on farmers' income, the relationship between soil radiation levels and local residents' lives, and the return rate of evacuated residents. It also examines direct dialogue

with local communities, the impact on agriculture and fisheries, and exploring new economic opportunities, such as hops cultivation for craft beer production.

Additionally, it involves assessing the current state of radioactive contamination in staple crops like rice, aiming to understand and mitigate the economic and social challenges faced by the region.

Group 3: Social Recovery and Education

Topics: 2. Comprehensive and in-depth understanding of the impact on local residents and their responses using an interdisciplinary approach. 5. The Fukushima Special Support Education Promotion Plan. 6. Psychological impact on residents after the nuclear accident. 11. Video production. 14. Current applications and future potential of ICT technology. 15. Creating a map of radioactive contamination on farmland.

Characteristics: This group is centered on social recovery and education in Fukushima. It includes comprehensive studies on the psychological impact on residents, interdisciplinary approaches to understanding community responses, and promoting special support education. It also emphasizes the role of ICT technology in disaster response and preparedness, the creation of educational content through video production, and the development of a detailed map of radioactive contamination on farmland. The research aims to enhance community resilience, improve education, and facilitate effective communication and information dissemination.

Summary

These research topics provide a multifaceted approach to the recovery and sustainable development of Fukushima. The groups focus on environmental and ecosystem recovery, social and economic revitalization, and strengthening education and information dissemination. Through comprehensive research and targeted initiatives, these topics aim to support the reconstruction and sustainable future of the Fukushima region.