

Activity Report for Shinshu ESD/SDGs Achievement Presentation & Networking Meeting in FY2022

1. School name and participants (grade, number of students)

Ono Municipal Sakadani Elementary School, Fukui Prefecture (Mount Hakusan BR)
6 students of 5th and 6th grades

2. Outline of the study themes and activities, objectives, goals, etc.

(1) Activity title

Activities to promote regional attractiveness toward recognition as an International Dark Sky Place

(2) Goals

- 1) Find the attractiveness and issues of the starry sky in the Sakadani area and voluntarily think about them.
- 2) By sending information to more people, rediscover the attractiveness of the region.

(3) ESD perspectives & qualities/abilities to nurture

1) Concept components

- | | |
|--|--|
| <input type="checkbox"/> Diversity | <input type="checkbox"/> Fairness |
| <input type="checkbox"/> Interdependence | <input checked="" type="checkbox"/> Cooperation |
| <input checked="" type="checkbox"/> Limitation | <input checked="" type="checkbox"/> Responsibility |
| <input type="checkbox"/> Others () | |

2) Qualities/abilities to nurture

- | | |
|---|---|
| <input type="checkbox"/> Critical thinking ability | <input checked="" type="checkbox"/> Attitude to cooperate with other people |
| <input checked="" type="checkbox"/> Ability to forecast the future plan | <input checked="" type="checkbox"/> Attitude to respect for connections |
| <input checked="" type="checkbox"/> Ability to think in multifaceted and comprehensive ways | <input checked="" type="checkbox"/> Attitude to participate willingly |
| <input type="checkbox"/> Ability to communicate | |

(4) Related SDGs

- SDG7: Affordable and clean energy
- SDG11: Sustainable cities and communities
- SDG12: Responsible consumption and production
- SDG15: Life on land
- SDG17: Partnership for the goals



(5) Outline of the study themes and activities

- 1) Think about a plan to attract more tourists (Project to attract people to Sakadani).
- 2) Hold a lecture by a member of the regional development team on the attractions of the starry sky in Sakadani and light pollution.
- 3) Start and run an official Instagram account to introduce attractions other than the starry sky
- 4) Obtain expert knowledge and materials on starry skies from The Fukui Nature Conservation Center.
- 5) Participate in the event "Nenrin Autumn Market" held by Silver Human Resources Center and give the Starry Sky Presentation.
- 6) Make the Starry Sky Presentation into a video to share it with more people.

3. Flow (Outline of the teaching plan)

- AprilShare memorable learning activities carried out last year and discuss what to do this year.
- MayHold talks between members of the regional development team and teachers.
- JuneCreate materials for the "Project to attract people to Sakadani" and hold an exchange meeting.
- JulySchool planetarium, light pollution control event, introduction of people working to protect the region, etc.
- AugustPrepare for joining Instagram.
- SeptemberStart an official Instagram account and hold a discussion toward the Nenrin Autumn Market.
- OctoberHold a delivery class by Mr. Mochizuki, a member of the regional development team.
Receive materials for the Starry Sky Presentation (from Nature Conservation Center) and prepare for the presentation.
- NovemberParticipate in the Nenrin Autumn Market to give the "Starry Sky Presentation" and carry out public relations activities at the school trip
- DecemberDiscuss to further promote the attractiveness of the starry sky. Decision on the participation in Shinshu ESD. Decision on the creation of a video.
- JanuaryCreate a video of the Starry Sky Presentation ESD Version.
- FebruarySummarize the learning.

4. Effects, reactions, and reflections

First, teachers learned about the city's vision. This is because we wanted to move toward International Dark Sky Place certification through the cooperation of the school, government, and individuals. The idea of the city was that more attractions other than the starry sky were necessary if the city was certified as an International Dark Sky Place and the number of tourists increased. So, we had children freely suggest how to attract more people to the Sakadani area first. The children freely suggested ideas from various points of view such as food and drink, mascot character, social media, transportation, and leisure. Based on their ideas, we started an Instagram account in the second semester and used it for presentation activities. The increase in followers and warm calls from many people motivated the children. They continued to upload attractive photos of the area. In November, the children planned the Starry Sky Presentation. Based on the data provided by experts, they gave a presentation to many people about the attractiveness of the starry sky and measures against light pollution in the Sakadani area. We received many comments, which gave the children great confidence. They also visited the Fukui Nature Conservation Center, which provided them with information, and gave a presentation. In preparation for the third semester, the children expressed their desire to make a presentation more widely and to more people, which led them to apply for Shinshu ESD. Making and distributing a video of the presentation may lead to the creation of an environment where people can freely watch the video anytime and anywhere.

5. Crafting of the teaching methods and organization (collaborators and resources)

We received the cooperation of a wealth of human resources from Ono City government, Fukui Nature Conservation Center, Fukui University of Technology, and volunteers with knowledge of starry skies. The city government staff taught us about the city's vision, and a member of the regional development team gave a delivery class on the attractiveness of the starry sky and light pollution. A lecture on light pollution was held by the Nature Conservation Center at the planetarium. We received the latest data, such as photographs and figures. Some of the children participated in a starry sky lecture at the community center held by Mr. Nakajo of Fukui University of Technology. We also received the latest data. Volunteers provided materials on spots in the Sakadani area where the starry sky can be seen beautifully. We are supported by many people. They are in various positions such as administrative officers and volunteers, but they face in the same direction.