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## REPORT ON THE PROJECT OF COOPERATION IN EEA GRANTS

**Name:** Jiří Spilka

**Project:** Comparison of energy potential of Iceland and the Czech Republic

**Date:** 1/ 8/ 2021 – 31/ 8/ 2022

**Schools:** Technical College Reykjavík a Technical College Jihlava

**Place:** Iceland and the Czech Republic

## **Date 7.11.-21.11.2021 in Czech Republic**

On Monday, we started the program at the school at the Legionářů workplace, where we had a welcome speech by the school director and a few teachers. We then had a short presentation on energy.

On Tuesday, we went to see the Ledvice coal power plant, where we learned about how the power plant works, its past and what is expected to happen in the future with it.

On Wednesday, we were at school at the Polenská workplace, where we had a presentation about electric cars, which was presented to us by a gentleman who has been using an electric car for a long time. As students, we had to create projects on electric cars that were supposed to show our perspective on this topic. At the end of the day, we went to see the church of St. Jakub, where a Czech student also played the organ for us.

On Thursday, we went to Ostrava to Dolní Vítkovice to see the iron works, where we learned how they worked, then we went to see the lookout tower that was built there.

On Friday, we were at school again at the Legionnaires' workplace, where we were supposed to work on project 2. The project was on the topic of renewable energy sources, we probably debated the most about how many and which power plants would have to be built in order to generate enough energy as our power plants are generating now . In the afternoon we went to see the Jihlava underground.

Saturday was probably the second best day in the Czech Republic for Icelandic students, because we went to see Prague. A nice guide showed us around Prague, who told us a lot of interesting things about a lot of monuments.

On Sunday, we had to take a little time off because we got sick.

Everyone liked Monday the most, because we went to the Dukovany nuclear power plant. They don't have any nuclear power plants in Iceland, so this trip was amazing for the Icelandic participants. In the information center in Dukovany, they showed us how the nuclear power plant works and also showed us how Dukovany will expand. In the afternoon we went to see the Dalešice dam, where they also told us interesting information about how the dam works.

On Tuesday, we were at the school, where Icelandic students toured the school and learned interesting things about our school. Furthermore, we had a third project on the topic of reducing emissions in both countries, where we talked about whether if everyone started using electric cars, whether emissions would decrease or increase.

Unfortunately, one of the teachers got infected with the coronavirus, so the project in the Czech Republic had to be ended earlier, and all the other Icelandic participants had to fly out already on Thursday.

### **Date 24.4.-8.5.2022 on Iceland**

On the first day, Monday, we had a presentation of the program for the following two weeks. Later, they showed us around the school, where I really liked their professional workplaces, which they had very well equipped.

On Tuesday, we went to see Hellisheidarvirkjun geothermal power plant, where we went through the information center and were told some information about geothermal power plants and about Carbfix. In the afternoon we went on a short hike to the hot springs in the mountains.

On Wednesday we were at school where we had a lot of different presentations and lectures about energy in Iceland, after which we did a small project where we had to make posters on the topic of reducing emissions and a better environment. At the end of the day, we were able to talk with the Minister of Environment and Natural Resources in Iceland.

On Thursday we had a few more presentations, this time on wind turbines and sustainable energy sources. In the afternoon we went to see the national museum.

Friday was something like a holiday, so we were only with our Icelandic friends.

On Saturday we went to the Westman Islands where we took a ferry that is fully and only powered by electricity. These islands are all lava. A walk around the island and a small hike to the volcano, from where there was a very nice view. We were also in a smaller museum of these islands.

We had a day off on Sunday.

On Monday, unfortunately, the weather turned quite nasty, it was raining and the wind was blowing. We went to see several interesting places, for example the volcano that erupted only a few years ago. Towards the end of the day, we were at the Blue Lagoon Spa, where they use warm and clean water from the nearby geothermal power plant.

On Tuesday we had a long lecture about nature in Iceland and its pollution. In the afternoon we had a project, the topic of which was a debate about data centers, how much they consume and so on.

On Wednesday we went on a nice trip to the Golden Circle. Which is a large circuit where there are various waterfalls and other natural phenomena.

On Thursday, we visited the church, which is located right next to the school. In the afternoon, we went to see the place of the company deCODE genetics, where they showed us some devices that they use to identify various diseases and so on.

On Friday, there was a debate about data centers, successfully for the group that was against data centers.

On Saturday we went to see Fly Over Iceland, where they let us into an almost 5D cinema and there they showed us a wonderful movie where we were to fly over the beauty of Iceland.

Unfortunately, we had to fly out early Sunday morning, but I will never forget this wonderful experience.

**Tento projekt byl realizován za finanční podpory Fondů EHP.**

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