

Activity Report –Science Dialogue Program–

- Fellow's name: Felix Elias Feiten (ID No. P 16795)
- Participating school: Hokkaido Kushiro Koryo High School
- Date: 06/10/2017
- Lecture title: Investigating Catalysts – A German Chemists's Experiences
- Name and title of your company: none, I was alone
- Lecture format
 - o Lecture time: 90 min
 - o Q & A time: 10 min
 - o Lecture style: Powerpoint presentation; I had not planned it but I ended up using the blackboard a little bit. For my next lecture, I'd like to use the blackboard more. No experiments were performed.
- Lecture summary:

I started by comparing Germany and Japan and presenting Germany and my hometown Berlin for a few minutes. After shortly talking about me and the places I have lived I proceeded to introducing what science means to me and what life as a researcher is like for me.

I think my timing for this part was not very good, this was supposed to last 50 minutes but I was finished after 40. I was not very surprised that this was less than 50 minutes and we held a first Q & A for maybe 5 to 10 minutes.

After a 10 minute break I continued with the part about catalysis and my research. This part was divided into three sections, first a general introduction to catalysis and then parts about my PhD research in Germany and my JSPS research in Japan. Because the introduction to catalysis took more than 30 minutes instead of the 25 minutes planned I only had 5 to 10 minutes remaining. I could only present part of my PhD research and ended up not even getting to the part about my current research in Japan. So I definitely need to work on my timing. This was the first time I have given such a long presentation and also my first time giving a talk about science to non-scientists so I hope I can improve on this in my next presentation, hopefully within the Science Dialogue program.

I think it was definitely good to do the introduction to catalysis as slowly as

necessary because I think this might have been very interesting to the students. One student was extremely well prepared and he asked me questions about my JSPS research both in the first break as well as in the Q & A session at the end. The teacher in charge asked me to speak more slowly several times, especially before the break, so I definitely have to work on that. In the break he also asked me to ask the students questions and try to involve them more into the talk but it was hard. I asked them a question after the break but they were extremely reluctant to answer.

Overall, I enjoyed giving the lecture a lot and think that it was interesting for the students.

- Overall advice or comments to future participants in the program:

Speaking slowly and involving the students are two of the main points that I personally have to work on and that are probably important for other participants as well. I noticed that explaining things on the blackboard felt good and I think the students might be more accustomed to this type of presentation so I will include more writing/drawing on the blackboard in future lectures and encourage other JSPS fellows to consider this. I gave the teacher a PDF version of my talk to distribute to the students digitally so they don't have to take too many notes during the talk. I think this allowed them to pay more attention to listening.

- Other noteworthy information: none

- Impressions and opinions from a company: none, no accompanying person