

Form B-2
(FY2021)
Must be typed

Date (日付)
6/17/21 (Date/Month/Year: 日/月/年)

Activity Report -Science Dialogue Program-
(サイエンス・ダイアログ事業 実施報告書)

- Fellow's name (講師氏名): Benjamin SCHRAGER (ID No. P19773)

- Name and title of the accompanying person (講義補助者の職・氏名)
n/a

- Participating school (学校名): Takefu High School

- Date (実施日時): 17/6/2021 (Date/Month/Year: 日/月/年)

- Lecture title (講義題目):

How is corn from Hawai'i in this lunch box? Introducing a food chain approach

- Lecture format (講義形式):

◆ Onsite ・ Online (Please choose one.)(対面 ・ オンライン)((どちらか選択ください。))

◆Lecture time (講義時間) 50 min (分), Q&A time (質疑応答時間) 20 min (分)

◆Lecture style (ex.: used projector, conducted experiments)

(講義方法 (例: プロジェクター使用による講義、実験・実習の有無など))

Zoom and power point

- Lecture summary (講義概要): Please summarize your lecture within 200-500 words.

First, I explained my background as a researcher and where I went for ungraduate and graduate education before becoming a JSPS scholar. Then I explained about the field of human geography. Rather than being simply place name identification – what many students associate with geography – I explained that human geography is an inter-disciplinary field that examines relations. At the broadest level, this is about the relationship between society and the environment. With globalization, fields like human geography are increasingly important to understand our increasingly connected world. I also introduced the concept of food justice before moving onto the meat of my presentation, which explored how corn from Hawaii connects with a fried chicken lunch box in Japan. I introduced the concept of a food chain, which traces the connections between discrete stages of the food system. Such a concept is helpful for us to examine connections within complex industrial food systems. I explained about seed corn, that Hawaii is widely seen as the preeminent location for seed corn improvement, because instead of seven years, seed corn can be improved in Hawaii in only 2.5 years since corn can be grown three times

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per year in Hawaii. Seed corn from Hawaii is flown all over the world. In this presentation, I examined what happens to seed corn that arrives in Hawaii and how much of the land in Iowa is used for soybean and corn production. I introduced a farmer Mr. M, who farms 1,400 hectares per year. Corn is then exported to Japan. 71% of Japanese corn imports are from the US and corn accounts for 49% of livestock feed in Japan by weight. We examined import silos, the shifting distribution of broiler chicken production, and lessons from KFC-Japan. Then I shared some pictures and described chicken farms, shipping, and slaughterhouses. At the end, I revisited the fried chicken bento and explained that even though chicken is written as "domestic chicken" we can see that corn imported in Hawaii and grown in Iowa is connected to it. Using a food chain approach, we can see connections that go beyond food labels. Such an understanding is necessary before taking up concepts like food justice.

◆Other noteworthy information (その他特筆すべき事項):

n/a

- Impressions and comments from the accompanying person (講義補助者の方から、本事業に対する意見・感想等がありましたら、お願いいたします.):

n/a