

(For JSPS Fellow)

Form B-2
(FY2018)

Date (日付)
25/02/2019 (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): Loic Viens (ID No. P18108)
- Participating school (学校名): Kyoto Prefectural Yamashiro Senior High School
- Date (実施日時): 23/02/2019 (Date/Month/Year: 日/月/年)
- Lecture title (講演題目): Simulating earthquakes with seismic noise
- Name and title of your accompanying person (講義補助者 職・氏名)
N/A
- Lecture format (講演形式):
 - ◆Lecture time (講演時間) 75 min (分), Q&A time (質疑応答時間) 15 min (分)
 - ◆Lecture style (ex.: used projector, conducted experiments)
(講演方法 (例: プロジェクター使用による講演、実験・実習の有無など))
I gave the lecture using a projector
- Lecture summary (講演概要): Please summary your lecture 200-500 words.
Earthquakes generate seismic waves that can destroy buildings, roads, bridges... As we do not know when and where the next large earthquake will happen, it is difficult to prevent disasters from happening. I gave an introduction lecture on plate tectonics, earthquakes, and seismic waves. I used several videos and animations to make the lecture easy to understand. I then briefly introduced my research topic. My research focuses on simulating long-period seismic waves, which can affect tall buildings, by using the seismic noise that is continuously recorded by thousands of seismometers in Japan. I combine several years of seismic noise (more than 20 Terabytes of seismic data, which is equivalent to 4 million songs or ~39 years of uninterrupted music) and large computers to calculate seismic waves from many earthquakes and study their effect on tall buildings.
- Overall advice or comments to future participants in the program (今後の講師へのアドバイス):
I would recommend to speak slowly, clearly, and use simple words. I would also recommend to use videos, animations, etc to illustrate difficult concepts.

Must be typed

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

It was a good experience and I would definitely do it again!

- 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