

(For JSPS Fellow)

Form B-2
(FY2018)

Date (日付)
19/10/2018 (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): Patrick Martineau (ID No. 17029)

- Participating school (学校名): Soka Senior High School

- Date (実施日時): 10/10/2018 (Date/Month/Year: 日/月/年)

- Lecture title (講演題目): Link between oceans and weather extremes on decadal to multidecadal time scales

- Name and title of your accompanying person (講義補助者 職・氏名)
The University of Tokyo, Research Center of Advanced Science and Technology

- Lecture format (講演形式):

◆Lecture time (講演時間) 60 min (分), Q&A time (質疑応答時間) 25 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))

The lecture was based on slides projected in front of the classroom and some demonstrations with a terrestrial globe

- Lecture summary (講演概要): Please summary your lecture 200-500 words.

My research is about extreme weather events that occur midway between the tropics and the North Pole. Examples of such events include heat waves and cold spells, which are periods of excessively hot or cold days, respectively. Since they have large social and economic impacts, it is important to understand how these events occur and how frequent they may become in the future. The research I am conducting at the University of Tokyo aims to understand how sea surface temperatures over the Atlantic Ocean and Pacific Ocean can influence the occurrence of weather extremes over the continents. To do so, I study observations of the atmosphere and the ocean to better understand how slow variations of sea surface temperatures (from one decade to the next) are related to extreme cold and warm weather all around the Northern Hemisphere.

- Overall advice or comments to future participants in the program (今後の講師へのアドバイス):

There may not be many questions at the end of the presentation so it may be useful to try to stimulate a discussion by asking questions to the students. It is also a good idea to ask questions

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to the students during the presentation to keep their attention. Speaking slowly and using simple language without technical terms is recommended.

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

- 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。)