

Form B-5

Date (日付)

09/09/2016 (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): Faye Abigail T. Cruz (ID No. P15028)
- Participating school (学校名): Yamanashi Prefectural Hikawa High School
- Date (実施日時): 01/09/2016 (Date/Month/Year: 日/月/年)
- Lecture title (講演題目): (in English) A closer look at our warming world
(in Japanese)
- Lecture summary (講演概要): Please summary your lecture 200-500 words.

The lecture is divided into four topics: my home country (Philippines), my background as a scientist, an introduction to global warming and climate change and on future regional climate. For the first part, a brief introduction is given about the Philippines, an archipelago with more than 7,000 islands, situated in Southeast Asia. Geographical and demographical information, food and culture are also discussed. Then, my motivation and experience as a scientist is shared, from university up to the present time. An introduction on the science of global warming and climate change is given in the third part of the lecture. Observational records have shown strong evidence that recent global warming is caused by human activities, particularly through the emissions of greenhouse gases such as carbon dioxide, methane and nitrous oxide. Global warming leads to changes in climate, including precipitation, winds, sea level and extreme events, which have serious impacts on humans and the environment. In the face of present and future global warming, it is vital to prepare and adopt measures to adapt to the impacts of climate change. Because climate changes differently per region, my research aims to produce climate change information at high spatial resolution to describe what changes we can expect particularly for Southeast Asia and for the Philippines. Climate change is a global concern. Thus, the importance of collaboration in this research field is highlighted in this lecture, where English can be a useful tool for communication. Q&A sessions with the students are placed in the middle and end of the lecture.

- Language used (使用言語): English
- Lecture format (講演形式):
 - ◆Lecture time (講演時間) 75 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))

Lecture presentation using PowerPoint and projector

- ◆ Interpretation (ex.: assistance by accompanied person, provided Japanese explanation by yourself) (通訳 (例: 同行者によるサポート、講師本人による日本語説明))

Dr. Kawase provided assistance with translation during the presentation (particularly for slides that may be difficult or technical for the students) and during Q & A.

- ◆ Name and title of accompanied person (同行者 職・氏名)

Dr. Hiroaki Kawase, Meteorological Research Institute

- ◆ Other note worthy information (その他特筆すべき事項):

- Impressions and opinions from accompanied person (同行者の方から、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。): 2回目のサイエンスダイアログだったこともあり、Faye Cruz 講師とともに前回の資料をブラッシュアップする形で準備ができました。今回、担当の先生の意向もあり、発表の要所要所で日本語の要約を加えました。前回には行わなかった試みでしたが、生徒たちの理解の助けとなったようです。質疑の際、数名の生徒が英語での質問を試みました。人前で英語での質問はかなり大変だったと思いますが、良い経験になったと思います。前回同様、Faye Cruz 講師と高校生にとって、有意義な機会となったのではないのでしょうか。私自身も2度に渡り、このサイエンスダイアログをサポートできたことを幸せに思い、今後の糧に致します。(気象庁気象研究所 川瀬宏明)。