

(For JSPS Fellow)

Form B-5

Date (日付)

_____ (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): Pastor Galán Daniel _____ (ID No. P16329)
- Participating school (学校名): Fukushima High School, Fukushima-shi, Fukushima-ken
- Date (実施日時): 22/08/2017 _____ (Date/Month/Year: 日/月/年)
- Lecture title (講演題目): (in English) How the Earth Works
(in Japanese)
- Lecture summary (講演概要): Please summary your lecture 200-500 words.

The Earth is a dynamic planet, from the atmosphere to the inner core everything is in constant movement. One of the most astonishing movements in the Earth is the continental drift, described by the unifying theory of Plate Tectonics, which is the equivalent to Earth Sciences to the Evolution theory is to Biological Sciences. Plate Tectonics describes the lithosphere, Earth's solid outer shell, as rigid plates that interact along discrete divergent, transform, or convergent boundaries. Although elegant at a global scale, plate margins, particularly at convergent boundaries, do not behave rigidly and instead undergo major extension and/or shortening. The resulting basins and orogens host to the bulk of our economic hydrocarbon and ore reserves and are commonly characterized by significant natural hazards including earthquakes and volcanism.

During the activity, I shared the mysteries of Plate Tectonics to the students of Fukushima High School. I explained the general ideas of Plate Tectonic theory first. Later I focused in the main arguments in support of Plate Tectonics to end, finally, with a brief description of my contribution to the understanding of Plate Tectonics. During the lecture I also talked about the differences and similarities between Japan and Spain from the point of view of Natural Sciences, and how living in Japan has been a great, constructive experience that make me grow as a person.

- Language used (使用言語): English and Japanese__
- Lecture format (講演形式):
 - ◆Lecture time (講演時間) 60 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 used a projector and conducted a small workshop in plate tectonics _____

- ◆ 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))

I can speak some Japanese so I used it to support my lecture. All my slides were written in Japanese and I used Japanese vocabulary to help the students to follow the lecture. _____

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

- ◆ 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。):