

(For JSPS Fellow)

Form B-5

Date (日付)

20/11/2017 (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): José María Landeira Sánchez (ID No.P 16401)

- Participating school (学校名): Aichi Prefectural Okazaki High School

- Date (実施日時): 17/11/2017 (Date/Month/Year: 日/月/年)

- Lecture title (講演題目): Plankton: the secret wonderful world

- Name and title of your company (同行者 職・氏名): No company was needed for the activity.

- Lecture format (講演形式):

◆Lecture time (講演時間) 80 min (分), Q&A time (質疑応答時間) 40 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))

Power Point presentation using a PC and projector. Moreover, I brought a plankton samples to show the student how the animals (zooplankton) look like.

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

The lecture was divided in two parts. The first one was dedicated to introducing myself and my origin country, Spain. The second was about my research topic (Marine Biology), and more specifically, about the plankton community. This community is mainly composed by many small organisms that are "floating" in the water column and are transported by the oceanic currents. They are very important for the planet because some are photosynthetic, like the plants, producing around the 75% of the oxygen of the planet, that we use for breathing. The plankton is also very important for the food webs in the ocean since they are typical food of bigger marine organisms like tuna and whales, but also by us, the humans.

To study such special community, we conduct oceanographic expeditions on board big research vessels. We stay in the ocean for several weeks and collect samples during the day and night using very special nets, and bottles. In the laboratory we use the samples to do experiments and analyze them under the microscopes, to know which species are present and how abundant they are. This information is very useful to understand problems related with the fisheries and Climate Change.

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

Personally, I enjoyed so much with the students. But, it was because I promoted their

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participation with open questions at any time during the lecture, and I asked them directly about their opinion. I guess it made the atmosphere more relaxed and friendly for them, because they started to ask many interesting questions and become the presentation much more fun.

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

- Impressions and opinions from a company (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。)

There was not company in this activity.