

(For JSPS Fellow)

Form B-5

Date (日付)

17/03/2014 (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): Cristina SANCHEZ GOMEZ (ID No. P12398)

- Participating school (学校名): Fukushima Prefectural Iwaki High School

- Date (実施日時): 15/03/2014 (Date/Month/Year: 日/月/年)

- Lecture title (講演題目): (in English) Using rhizobia to mitigate greenhouse gas emission  
(in Japanese) 根粒菌を利用した温室効果ガスの削減

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

First, we introduced ourselves and our careers. We talked about our interest in Science and our experience as a researchers. Second, I talked about Spain (a brief summary about History, Culture and Traditions, interesting places, etc). Then, I introduced microorganisms to students, indicating importance of microorganisms for humans and our Planet. Finally, I talked about my specific research topic: the problem of greenhouse gas emission by soybean fields, what are rhizobia and their role in the nitrogen cycle (symbiotic nitrogen fixation and denitrification), and how we use rhizobia to mitigate greenhouse gas emission.

- Language used (使用言語): English

- Lecture format (講演形式):

◆Lecture time (講演時間) 50 min (分), Q&A time (質疑応答時間) 30 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

◆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))

Assistance by accompanied person

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

Mr. Tomoyuki MINAMI (PhD student, D3)

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

\_\_\_\_\_

Must be typed

- 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。):

**高校の生徒の皆さんから思った以上に質問があり生徒の皆さんの科学に対する興味を高める補助ができてうれしく良い経験でした。**