

(For JSPS Fellow)

Form B-5

Date (日付)

28/12/2016 (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): Petr Vodicka (ID No. P16760)
- Participating school (学校名): 香川県立高松桜井高等学校 (Kagawa Prefectural Takamatsu Sakurai High School)
- Date (実施日時): 9/12/2016 (Date/Month/Year: 日/月/年)
- Lecture title (講演題目): (in English) Atmospheric Aerosols - their role in nature and our environment
(in Japanese) 大気エアロゾルー自然と私たちの環境におけるそれらの役割
- Lecture summary (講演概要): Please summary your lecture 200-500 words.

At the beginning of lecture, I introduced my country, Czech Republic (geography, famous places, architecture, people), and also my host institution - Chubu University. Followed a short talk about my motivations becoming a scientist, and also about a necessity of learning of English language for communication in scientific community. Other and main part of the lecture was focused on a general characterization of atmospheric aerosol itself, and there was also introduced phenomena in atmosphere where aerosols play a main role (like rain, visibility, climate changes etc.). During this part we solved small quiz related to range of sizes of aerosols particles, for better imagination of students what we can observe in atmosphere. Like a demonstration of a condensation process in which aerosol particles play a big role, I also showed an experiment called "cloud in a bottle". The lecture was concluded by showing of some examples of work from my host laboratory of "Atmospheric Chemistry and Organic Geochemistry" at Chubu University - here was shown how the study of chemical composition can help us to understand the ways in which aerosols behave, evolve and exert these effects like formation and removal mechanisms from atmosphere, transport processes, as well as their impact on human health.

- Language used (使用言語): English
- Lecture format (講演形式): Power Point presentation
 - ◆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))
projector, experiment "cloud in a bottle"

Must be typed

◆ 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))

◆ 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。):