Must be typed

（For JSPS Fellow）

Form B-5

Date（日付）
15/11/2016 （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）: Khujanazarov Temur （ID No. P16073 ）

- Participating school（学校名）: Gifu Prefectural Kamo High school

- Date （実施日時）: 14/11/2016 （Date/Month/Year:日/月/年）

- Lecture title（講演題目）: （in English） Water resource management in the Central Asia

（in Japanese）

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

The lecture was structured to explaine water resources management in the Central Asia through historical development in water resources usage, culture of the region and water related issues. Students were introduced to the short history of the Uzbekistan, culture overview, differences between Japan and Uzbekistan. Problem of the Aral Sea and its basin water management and how it has devoloped through the years, concerns of the future and ecological impacts were also covered.

We pointed how change of the nature could lead to ecological catastrophe and why we should care about environment and preserve it. Step by step research analysis through collecting information, showing results of the analysis and possible outcomes in various scenarious based on the example of the of the Aral Sea issues were covered. Overview of the models and why they are important to make research, how land-surface models principal scheme work, how we conduct our research including field trips and what type of data we collect were given. Basic information of the gAtmospheric General Circulation Models was given and why climate change research is important. Topics of the IPCC future scenarious were explanined as well in japanese by Prof. Tanaka.

Experiment was settled to show real time operation of soil moisture content sensor to show how different type of soils interact to the water infiltration and salt. In the second part of the lecture. How this data can be used and outputs of the real field observation was also analyzed. In the lecture we covered examples of the Zeravshan River basin and how optimization of the crop management can help to improve water usage and what measures can be used to improve current application.

- Language used（使用言語）: English

- Lecture format（講演形式）:

Must be typed

◆Lecture time（講演時間） 75 min（分）, Q&A time（質疑応答時間） 20 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））

Used projector to show results of research, conducted experiment with soil moisture sensor

◆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））

assisted by Prof. Kenji Tanaka, some slides had Japanese translations

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

Kenji Tanaka, Associate Professor

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

Teachers and staff of the Kamo school were very helpful and organized leacture and materials for experiment.

- 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。）:

高校生を対象に研究分野の紹介をする機会をいただき、ありがとうございました。
英語は難しかったかもしれませんが、英語を勉強する動機づけに一役買うといいですね。皆さんの姿を見て、自分の母校で講義をしてみたいと思いました。