

Form 3

Date (日付)

28/06/2011

**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 (参加外国人研究者氏名): Craig R. FERGUSON (ID No. P10379 )

Participating school (参加機関(受入学校名)): Junior High and Senior High School at Komaba,  
University of Tsukuba

Date (実施日時): 25/06/2011 Time: from 10:30 to 12:45

Lecture title (講演題目): (in English) Hydrology from Space: Overview of a career in the  
physical sciences

Lecture summary (講演概要): The students were provided with a summary of my personal background and career, as well as early and current motivations for pursuing research in hydrology. The land water and energy budget equations were presented and the impact of humans on this natural budget discussed. Opportunities to measure the budget terms remotely from satellites were highlighted. The city of Las Vegas, NV, USA (Hoover Dam) was discussed as an example of unsustainable growth. Japan was shown to be the greatest global importer of "virtual water". The lecture included (2) 20-minute question and answer sessions.

Language used (使用言語): English

Lecture format (講演形式):

Lecture time (講演時間) 95 min (分), Q&A time (質疑応答時間) 40 min (分)

Lecture style (examples: used projector, conducted experiments)

(講演方法 (例: プロジェクター使用による講演、プレ実験など))

.PPT presentation w/handouts and a poster

Interpreter (example: assistance by host or colleague, provided Japanese explanation by yourself)

(通訳 (例: 受入研究者によるサポート、外国人研究者本人による日本語説明))

None

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

Impressions and opinions of assistant (協力者から本事業に対する意見・感想等がございましたら、お願いいたします.):