

(For JSPS Fellow)

Form B-5

Date (日付)

17/10/2017 (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): ムリティカ バス (ID No. P 16791)
- Participating school (学校名): Utsunomiya Girl's High School
- Date (実施日時): 16/10/2017 (Date/Month/Year: 日/月/年)
- Lecture title (講演題目): (in English) Every Drop Counts: Water Scarcity and its implications
(in Japanese) 水不足とその影響
- Lecture summary (講演概要): Please summary your lecture 200-500 words.
 Throughout history water has confronted humanity with some of its greatest challenges. Water is a source of life and a natural resource that sustains our environments and supports livelihoods – but it is also a source of risk and vulnerability. In a world of unprecedented wealth, almost 2 million children die each year for want of a glass of clean water and adequate sanitation. Millions of women and young girls are forced to spend hours collecting and carrying water, restricting their opportunities and their choices. And water-borne infectious diseases are holding back poverty reduction and economic growth in some of the world's poorest countries. Water scarcity issues will depend in part on how rapidly population grows. In this presentation, I will mostly talk about the existing water issues in the world, in particular India. The surface and groundwater crisis is increasing at an exponential scale in India with increased intensive agriculture, urbanization, population increase and climate change. The water resources and issues are compared between India and Japan. The concept of water footprint is also discussed and how small changes in lifestyle may help in addressing water shortage is also presented. Lastly, the current work carried out by the fellow in relation to water scarcity and strategies to answer are discussed by the fellow.
- Language used (使用言語): English
- Lecture format (講演形式):
 - ◆Lecture time (講演時間) 45 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))
プロジェクター使用による講演
 - ◆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))

同行者によるサポート

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

Dr. Shizuka Hashimoto, Associate Professor The University of Tokyo

◆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。):

授業の内容は専門的な内容をかなり噛み砕いたものでしたが、受講生が高校一年生ということもあったためか、授業の内容を理解するのに苦労したのではないかと思います。本事業をより効果的なものとするためには、さまざまな改善が必要と思われました。