

(For JSPS Fellow)

Form B-5

Date (日付)

7 September 2015 (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): Ponthip Limlahapun (ID No. P14351)- Participating school (学校名): Aomori Prefectural Hirosaki Minami High School- Date (実施日時): 3 September 2015 (Date/Month/Year: 日/月/年)- Lecture title (講演題目): (in English) Research Response for Disaster(in Japanese) 防災研究の対応

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

The first part of the presentation was about Thailand and what the presenter impressed about Japan. The next, we discussed about the motivation on how the fellow became researcher and why I am interested in climate change and disaster related topics. The speaker also provided some applications on Geographic Information System (GIS), Remote Sensing (RS), and Database. For example, how we use GIS in daily applications (i.e., crime analysis, or poverty mapping). The fellow collected satellite images comparison before-after in the coastal zone area affected by Earthquake and Tsunami on March 11, 2011 and shown as real-world applications. The third part of the presentation, the speaker explained on flood management components (i.e., potential risk information, prevention, preparedness, and recovery). In each components, we need different information to support flood disaster (i.e., rainfall monitoring data, flood model, information distribution infrastructure). The example of how to conduct research on some components as well as results were shown. The last part, presentation was focused on research activities (i.e., field survey, interview) as well as other research themes (i.e., urban changes in Aichi Prefecture during past 20 years and trend analysis, land use affected on temperature, sea level rise, and number of people that might be affected on Nuclear Power plant in the case of emergency.

- Language used (使用言語): English

- Lecture format (講演形式): Power Point

◆Lecture time (講演時間) 60 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))

Projector

◆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)

Assistant Professor Jun IZUTSU

◆Other noteworthy 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。):

実際に参加してみて、非常に良い試みであると思いました。ホスト側の高校の先生が非常に熱心で、事前に講演内容の予習の時間を設けていただくなど非常に助かりました。ただ、少し専門的な話は難しかったかもしれませんので今後の反省としたいと思います。