

(For JSPS Fellow)

Form B-5

Date (日付)

30/01/2014 (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): Noemi BASSO (ID No. P13785)
- Participating school (学校名): TSURU High School, Yamanashi Prefecture
- Date (実施日時): 24/01/2014 (Date/Month/Year: 日/月/年)
- Lecture title (講演題目): (in English) Introduction to Life Cycle Management of Structures in Areas Prone to Natural Disaster

(in Japanese)

- Lecture summary (講演概要): Please summary your lecture 200-500 words.
The lecture was divided into three major parts.

1. Introduction:

- Introducing myself
- Introducing my own country

The first part provided an introduction of myself and my home country, Italy. I briefly introduced myself, my personal, and professional background. Then I presented some general data about the geography, demography and political system of Italy, highlighting potentialities and weaknesses. I showed a short video I made to acquaint students with the "essence of Italy".

Furthermore, the explanation of local data allowed me to outline the weak points of Italian geomorphology and tectonic conditions, and to smoothly transit to the second, scientific part of the lecture: *Introduction to Life Cycle Management of Structures in Areas Prone to Natural Disaster*.

2. Research:

- Why I chose Japan: critical condition of Italy
- Introducing the general problem
- JSPS Postdoctoral research

Considering the scientific background of the audience, and thanks to the support of the English teacher and the Science teaching assistant of Tsuru High School, the second part presented a combined and multidisciplinary approach for Natural Hazard prevention, risk mitigation, and preparedness in Life Cycle Management of structures.

Comparing Italian tectonic activity and Japanese one, I explained the reasons why I chose Japan to develop the Postdoctoral research.

Using simplified schemes and formula, documentary videos and images, I cleared up the basic ideas and problems behind the optimisation of the intervention strategies in critical decision-making processes. Furthermore the purposes of the Postdoctoral research were exposed and discussed.

3. Questions and answers.

The last part was dedicated to reply to the questions and curiosities of the students.

- Language used (使用言語): English

- Lecture format (講演形式):

◆Lecture time (講演時間) 50 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))

Presentation with PowerPoint slides on projector + Videos.

◆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))

Whenever it was necessary, a Japanese explanation has been provided by the English teacher and by the Science teaching assistant from Tsuru High School.

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

None

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

I would like to thank Tsuru High School for hosting me and for the kind and warm welcome. Furthermore I would like to mention the English teacher, Prof. Ashikawa Tomoya, and the Science teaching assistant for the commendable job in supporting and providing the students basic scientific knowledge in the lecture subject,

- 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。):