

Report of works in Mahidol

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I stayed at Mahidol university for studying and joining in a field survey for 6 months from Oct 17 to Apr 15. I stayed at the Geophysics laboratory organized by Dr. Siripunvaraporn. I studied in the laboratory under the guidance of Dr. Siripunvaraporn and Dr. Vachiratienchai (Figure 1).

Japan is not rich in resources, but recently much gas hydrate within the territorial waters of Japan has been detected. We expect it as an alternative resource instead of conventional resources. Therefore, we develop software to detecting sub-seafloor resources such as gas hydrate using marine direct current resistivity survey. Main work in the laboratory is making the software by writing code. Finally, we developed preliminary software after 6 months. A result of the software is written in Figure 2.

I also joined in field work of direct current resistivity survey and seismic survey to detect underground water at Burirum (Figure 3). It is difficult to grow up agricultural products in dry season, therefore we performed it for detecting underground water. The work was tough for me because I walked very much everyday under hot weather. The surveys were organized by our laboratory and I obtained much knowledge from them. This field work was effective to understand my research topic in a practical manner. We stayed at a house of a member, I experienced Thai local life in his house (Figure 4). My apartment was in Bangkok, therefore it was new to me. Many laboratory friends were kind to me and I spent Thai life without big problems because of them. They brought me to many places.

My impression of Mahidol is good. I did not feel Mahidol university is international because there are a small number of international students in Payathai campus. However, many staffs and student were kind. I would like to thank geophysics laboratory members and staffs of the Faculty Science for supporting me.



Fig.1 Geophysics laboratory room

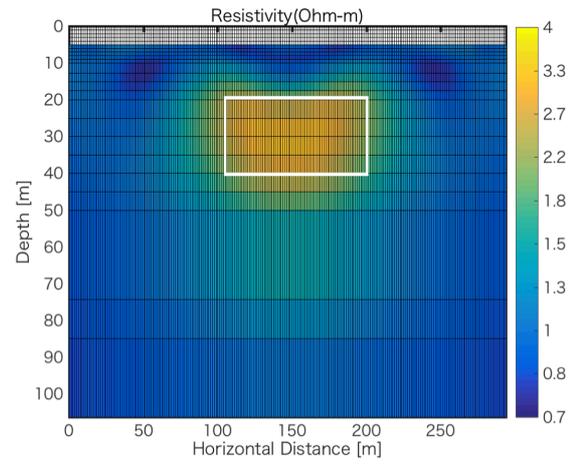


Fig.2 Research result



Fig.3 Seismic survey



Fig.4 Dinner with field work members