

国際共同観測研究：台湾・大屯火山群の例

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International collaborative research project: a case for Tatun Volcano Group, Taiwan
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Abstract

The Japan-Taiwan international collaborative research project was launched during 2010 F.Y. – 2012 F.Y., conducting audiofrequency magnetotellurics (AMT) surveys at Tatun Volcano Group (TVG), northeastern Taiwan. This study has revealed the resistivity structure at the shallow subsurface, and has provided a better understanding of the hydrothermal system of the volcanic area, in combination with other geophysical and geochemical evidence. This project was led to success by following three key factors: a) long-term personal and/or inter-institutional relationships between Japan and Taiwan, b) financial support from government, and c) strong mind to seize any opportunity that is concerned with international researches.

This collaborative work was set up on the basis of a good relationship between Institute for Geothermal Sciences (IGS), Kyoto University, Japan and Institute of Earth Sciences (IES), Academia Sinica, Taiwan. The first AMT survey was performed in 2010, by financial support from Grants-in-Aid for Scientific Research (KAKENHI: 21403003, PI: Dr. Tsuneomi Kagiya). Around the same time, IES launched a new thematic research project about monitoring study of TVG (AS-101-TP-A05, PI: Dr. Benjamin Fong Chao). The author fortunately started a new career as a postdoctoral fellow of the project in Taiwan from 2012, by kind support from Dr. Chang-Hwa Chen from IES, who was one of PIs of the project. The second AMT survey, performed in 2012, was led by the author from IES-side and Dr. Mitsuru Utsugi from IGS-side. That survey was supported both by KAKENHI from Japan and the thematic research program from Taiwan. The above international collaborative research project was successfully completed; which contributed to publication of research papers including Komori et al. (2014), and hosting an international workshop in 2014. Since this project, IGS has strengthened the academic relationship with Taiwanese research institute, including Academia Sinica and National Taiwan University; for instance, by accepting a visiting professor and a postdoctoral fellow from Taiwan. The author hopes the further prosperity of the relationship.

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