The Design of Excavation Information Sharing Tool for Communication between Archaeomagnetism and Archaeology

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In Archaeomagnetism as a methodology to restore the ancient geomagnetic field from baked archaeological materials, the strengthening joint collaboration with archaeological community is indispensable to devise the expanding the dataset. On the other hand, the scientific analysis like archaeomagnetic age estimation seems to be receiving focus as a useful tool to do an independent crosscheck for archaeological chronology in recent. However, the joint research have not done actively among the both academic regions under the present situation. This reason is conceivable that it does not have much interaction between the member of both communities, and it is very difficult to meet the appropriate researchers.

We have been developing the tools to do the efficient information searching and the personnel matching by unifying the management of (1) the information of excavations (academic excavation and emergency one) is carried out all over Japan and (2) the information of human resource of various fields, on a server. Specifically, we are going to realize the function by customization of "Kataribe Cloud" provided by Network Application Engineering Laboratories Ltd. (the platform to synchronize a weblog page of every user and Google Map based on the location information of photos), and additional implement of SNS plug-in of WordPress. Generally, such a sharing site has a problem of cold-start, so we are considering some solution for this problem.

In the present, the first prototype (smartphone app) implemented some functions for "Kataribe Cloud" platform, and designed GUI has been completed.

In this presentation, we introduce this real app and discuss about validation of app design, policy for next version up, and future developments, etc.

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