

Dose rate mapping by UAV and application to radioactive contamination area

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Dose rate mapping in radioactively contaminated area is inevitable to make acknowledgement to live in the land, and to monitor external dose continuously. As convenient tool to measure dose rate especially in mountain area, we develop the system to measure dose rate by UAV (Unmanned Aerial Vehicle). The system is applied to two regions in Fukushima Prefecture. At the JpGU meeting, examples of practical use of UAV system will be presented.

Keywords: dose rate, unmanned aerial vehicle, nuclear disaster, Fukushima, Structure from Motion, Digital Surface Model

