

## Proximity air measurement of the radiation by unmanned small helicopter

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The decontamination work of the radioactive material which dispersed in the accident of Fukushima nuclear power plant accompanying the Great East Japan Earthquake, is continuing to residential area, cultivated land, etc.

However, the still high dose is measured in the forest region.

It is a question whether safety can be guaranteed or not, even if it performs the roof of a house or building, and decontamination of only soil, when a forest is in living environment.

The radiation measuring instrument which enabled it to adjust the distance to the target for measurement with the winch attached to the small unmanned helicopter in this research is used, the dose of a tree crown from the position close to about 100m has been measured, and it was shown that field dose measurement in the forest is possible.

Moreover, even if it was the decontaminated place, it checked that a space dose in case it approaches and a forest exists changed with altitudes.

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