

UAV images of before and after the 2014 Hiroshima debris flow disaster

*Kei Tanaka¹, Takashi Nakata²

1.Japan Map Center, 2.Prof. Emeritus, Hiroshima Univ.

Before dawn of August 20, 2014 debris flow caused by a localized torrential downpour attacked out-skirt of Hiroshima City killing 75 people especially on gentle slopes at the foot of granitic mountain.

We described typical examples of human neglect against debris flow that resulted unnecessary loss lives, based on UAV photography taken before after the debris.

We also counted numbers of houses of different construction period in the debris flow area, demolished houses by debris flow and houses of victims, and came to know that ratio of demolished houses and victims were higher in post- high economic growth period.

Keywords: 2014 Hiroshima debris flow, GIS, Unmanned Aerial Vehicle