

# Innovation of Spatial Representation Technology to Support Disaster Responses

\*Hiroshi Une<sup>1</sup>

1. Geospatial Information Authority of Japan

In this union session in 2015 JpGU meeting, the author introduced the cases of the applicability of latest spatial representation technology to disaster reduction, and argued the role of the spatial representation of tying an outcome of the various disciplines participating in JpGU to the practical activities for disaster responses. In this presentation, the author will introduce the further development of spatial representation technology, and report the present state of actual application of such technology into the in-situ site of disaster response as exemplified the Kumamoto earthquake in 2016 and Kyushu Hokubu heavy rain disaster in 2017.

Keywords: geospatial information technology, disaster response, web mapping, 3D, UAVs