

Role of the cloud based GIS for disaster management system at Emergency Operation Center

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The cloud-based GIS center with the assumption that on the basis of the lessons learned in disaster information logistic support of the Great East Japan Earthquake 2011, ICS is introduced at the provincial level, to function under ICS concepts in the field Saitama Prefecture. The object of the invention is to organize the features and to operate by implementing it.

For this purpose, the contents of this study are as follows;

1. Study of cloud-based GIS data management perspective for the basic system
2. Application to the COP(Common Operational Picture) and the study of the utilization by the cloud of electronic results
3. Demonstration and calibration in collaborative disaster drill applying the ICS

Keywords: GIS, Incident Command System, Common Operational Picture, Information Management Process, Emergency Management Center