

## **Research regarding usage of high resolution satellite data**

### **[ Point ]**

Recently, satellite remote sensing data resolution is improved, and obtaining wider range and higher resolution earth surface digital information has been possible. In this research, we aimed grasping accurate field conditions in events of disaster by using satellite data, to prevent secondary disasters, and making disaster recovery plan possible, and researched actual condition of disasters and satellite technology movement, as well as examined usage of satellite data for disaster recovery work.

As a result, we presented the requirement specifications for the usage of satellite data in events of disaster, as well as produced a rough plan of the application manual. In present condition, due to obtaining satellite data take long time, it doesn't suite for disaster recovery work, which requires prompt action, however, in the future, it's possible to use the feature of satellite data, which is possibility of wider range grasping, for large scaled disasters to grasp whole damaged areas.

Keyword : disaster recovery, high resolution satellite data, satellite remote sensing