



INUNDATION TRACE MANAGEMENT SYSTEM USING SPATIAL INFORMATION TECHNOLOGY

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ABSTRACT

Recently, localized torrential downpours or floods are frequently issued due to climate change. In particular, the impervious rate is increasing by urban sprawling development due to industrialization. By these factors there are lots of property damages caused by increase of flood frequency and expansion of flood area. To prevent and respond to such disasters, Ministry of the Interior and Safety(MOIS) and Korea Land and Geospatial Informatix Corp.(LX) constructed a inundation tracem management system to store, manage, and provides public services. LX investigate the inundation trace in areas affected by flooding damage and fill out the inundation trace map and operates a management system for data accumulation and computerized management. In addition, we are expanding our business area to flood, drought and landslide through research on mitigation of natural disaster damage using spatial informaiton technology.