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Jeongho Yoon Korea Environment Institute

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### Development of Environment Spatial Information Service Utilizing Mobile Location-Based Technology

Jeongho Yoon

Korea Environment Institute - jhyoon@kei.re.kr

#### **ABSTRACT:**

Rapid implementation of mobile devices and significant development of communication technology lead diverse changes over the society at large. Especially, Location-Based Technology of mobile devices is recognized as an important tool to improve task efficiency of tasks that requires on-site investigation and management. The research develops the way to improve environmental administrative work by utilizing Location-Based Technology of mobile devices and environmental geographic information towards tasks for both instruction and inspection of environmental pollutant discharge industries. In addition, it defines function and improvement direction of environment monitoring tasks via test bed implementation to developed mobile application and spatial information database.

KEYWORDS: Environment Monitoring; Mobile; Location-Based; Environmental Geographic Information

