



The Web 2.0 concept of urban disaster information in Taipei city: Mobile application development

Yuan-Fan Tsai (1), Chun-Hsiang Chan (2), Han Wang (3), Yun-Xing Pan (3), and Gine-Jie Lin (3)

(1) National Taipei University of Education, Department of Social and Regional Development, Taiwan (tyf@tea.ntue.edu.tw),

(2) National Taiwan University, National Taiwan University, Department of Geography, Taiwan (r01228005@ntu.edu.tw), (3) National Taipei University of Education, Department of Social and Regional Development, Taiwan

In recent years, due to the global warming and global climate anomaly, more and more disasters appear such as flood and debris flow. The disasters always cause loss of life and property. However, the cross-aged invention, smart phone, makes our life more conveniently for delivering lots of information instantly. This study uses Eclipse as the development platform, and designs the urban disaster information mobile Application (APP) which is for debris flow and flood in Taipei city area. In this study, an urban disaster information APP, Taipei Let You Know, has successfully developed under android development environment, combined disaster indicators and the warming value of disaster. In order to ameliorate official information delay problem, this APP not only shows official information, but also offers a WEB 2.0 platform for public users to upload all disaster information instantly. As the result, the losses of life and property can decrease, and the disaster information delivery can be faster and more accurate by utilizing this APP in the future.