



Land Development Disorder, Vulnerability, and Hazards of Hi-Tech Industrial City-regional Expansion Process: Case study on Fengshan River Watershed Townships, XinChu, Taiwan

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This paper want to thru in-depth interview, Inverse Distance Weighted (IDW) interpolation, Analytic Hierarchy Process (AHP), and comprehensively discussing the building of public facilities with comparing to the land price changes to clarity: (1) the hi-tech industries on Fengshan river watershed have built a remarkable image of advanced technological industries and spatial culture, nevertheless, while it also exposes the land vulnerability and government failure (inadequate public facilities, technological and household pollution, political vulnerability on pollutant discharge, the links of resilience and community NGO...); (2) real estate development and urban planning failure (abandoned technology park land and watershed real estate crisis on Zhubei, abandoned houses and local government industrial policies, urban disasters and vulnerable nature of watershed...). Above findings is express that physical hazard potential matching local decision maker's political vulnerability, all resulting in the secondary disaster and social economic vulnerability), to express the importance of the risk and disaster studies of local hi-tech industries and watershed governance.

keywords: community resilience, political vulnerability, urban hazard and disaster, river watershed governance