

A STUDY ON THE EVALUATION OF THE VULNERABILITIES IN CLIMATE CHANGE

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Abstract

Climate change has become an important disaster issue that should no longer remain a global issue but actively respond at the national, community and individual level. Since natural disasters are a matter directly linked to people's safety, the key is to establish measures to adapt to climate change based on a regional-based vulnerability assessment in order to restore the region and form a city resilient to disasters in response to climate change. The fundamental self-reliance is important as a principal agent in planning and implementing the adaptation to climate change. Adaptation to climate change is proposed as a way to enhance regional competitiveness, including minimizing damage from climate disasters and turning crises into opportunities. Establishing measures to adapt to climate change should be preceded by a vulnerability assessment that reflects regional characteristics and potential vulnerabilities. There are limitations that the current vulnerability assessment does not take into account the region's future vulnerabilities and the region's capabilities, and that the region's characteristics focus on the past frequency/scale of natural disasters. Therefore, this study proposes that further consideration of socio-economic factors and infrastructure is needed in terms of the impact of climate change and regional characteristics, and suggests an evaluation plan that improves the assessment of existing vulnerabilities. The purpose of this study is to minimize the impact of climate change by enhancing the effectiveness of measures to adapt to climate change based on the vulnerability analysis results and by adapting to climate change in real areas.

Keywords: Climate change, Adaptation, Vulnerability

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