

# ESTABLISHING SENSITIVITY INDEX MAP OF ECOSYSTEMS UNDER ENVIRONMENTAL IMPACTS FOR SUITABLE UTILIZATION OF TERRITORIAL LANDSCAPE AND SUSTAINABLE DEVELOPMENT

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## ABSTRACT

Nowadays, Environment issues are considered very important for main kind. However, it implies much significance and studied by researchers of various fields. This study focuses on environmental sensitivity index of ecosystems, then establishing environmental sensitivity index map of ecosystems under environmental impacts in Haiphong coastal zone. The research has addressed new research problem which is the assessment of environmental sensitivity according to the perspectives of ecological-based approaches and synthesis. Based on considering the balance between oil spill effect and the vulnerability of ecosystem, sensitivity index can be assessed. Therefore, the environmental sensitivity is assessed by ecological unit. In this paper, Environmental sensitivity index of ecosystems are researched under two vicinities: coastal line sensitivity and Ecosystem vicinity; integrated information and modeling sensitivity indexing by remote sensing and GIS technologies are also presented.