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BOOK ABSTRACT

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"GLOBAL CHANGES AND SUSTAINABLE DEVELOPMENT IN ASIAN EMERGING MARKET ECONOMIES"



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The 1st International Conference on Economics, Development and Sustainability (EDESUS 2019)

“Global Changes and Sustainable Development in Asian Emerging Market Economies”

Organized by

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Factors Affecting Community Forest Management in Ha Giang Province, Vietnam

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Abstract: With the current deforestation in the world, to save the earth and forest resources, residents need to have a long-term strategy for their management and conservation. A form of forests management that has been applied in Vietnam as well as several countries in Asia is model of community forests management. This model was initially promoted its effectiveness in improving the lives of residents and restricting rampant logging, reducing forests over- exploitation. Community forests management is a forest management methods based on traditional knowledge and experience of community aspirations, aims to enhance capacity and strengthen partnerships to share experience and community stakeholders in order to manage resources sustainably and contribute to improving the material life, spiritual, cultural and ethnic communities living in and near forests. This study focused on the factors affecting the community forests management in Ha Giang through the subjective opinions of the respondents. Then, it identifies what the factors that have been done better and the factors need to complete in order to improve the community forests management here. From the data collected, tested scales, factor analysis, the paper has constructed a linear regression model. The study results are also valid recommendations for organizations looking to develop appropriate strategies to achieve effective community forests management in Ha Giang.

Keywords: Community forests management; Likert 5; ANOVA analysis; Ha Giang; Vietnam.

Impacts of Urban Expansion on Landscape Pattern Changes: A Case Study of Da Nang City, Vietnam

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Abstract: The paper deals with an integration of remote sensing, GIS and landscape metric indices to employ the spatiotemporal characteristics of urban expansion and to explore the impacts of urban expansion on landscape pattern changes in Da Nang city, Vietnam from 1996 to 2015. Key landscape change indices were selected to characterize the urban landscape patterns at the landscape and class level. Several critical urbanization indicators were being developed: urban resident's ratio, urban resident's density, non-agriculture GDP proportion, and non-agriculture labor ratio. The impacts of urbanization on urban landscape changes were determined through analyzing the correlation between the urbanization indicators and landscape change indicators. The results indicate that the built-up area has been increased by 8,187.18 ha in an average expansion area of 430.90 ha per year. The urban landscape has undertaken a complicated transformation in landscape structure and composition of which there was the conversion mainly from agriculture land to built-up land. Spatial distribution of different patches became more separated, complex, and irregular and the patch types became more fragmented. The significant relationship between urbanization indicators and landscape change indicators indicated that the intensity of human activities were decisive factors for the urban development.

Keywords: urban expansion; landscape pattern changes; landscape metrics; Da Nang; Vietnam.