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COMMUNITY RESPONSE TO DISASTER MITIGATION IN THE IMPACTED AREA OF MUDFLOW DISASTER

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Abstract

The impact of the mudflow disaster in Sidoarjo, Indonesia, which is still being felt by the community since 2006 until now, sets a background against which this review of disaster mitigation efforts that have been carried out so far is conducted. This study aims to find out the community response to disaster mitigation efforts that have been carried out in the hope that the programs remain evaluable, more targeted and more relevant to community needs. This research was conducted by a survey method using questionnaires and interviews and by quantitative-descriptive research data analysis. The results showed that the level of community understanding of disaster mitigation was very good, and the community participation was quite good, but the relevance of the mitigation activities conducted was felt to be still not meeting the community expectations and they

have to achieve a desirable level of sustainability. Therefore, a greater level of community involvement in mitigation activities is required to create disaster preparedness and resilient villages. © 2022, Editura Universitatii din Bucuresti. All rights reserved.

Author keywords

community response ; disaster mitigation ; resilient villages; sustainability

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COMMUNITY RESPONSE TO DISASTER MITIGATION IN THE IMPACTED AREA OF MUDFLOW DISASTER

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Abstract: The impact of the mudflow disaster in Sidoarjo, Indonesia, which is still being felt by the community since 2006 until now, sets a background against which this review of disaster mitigation efforts that have been carried out so far is conducted. This study aims to find out the community response to disaster mitigation efforts that have been carried out in the hope that the programs remain evaluable, more

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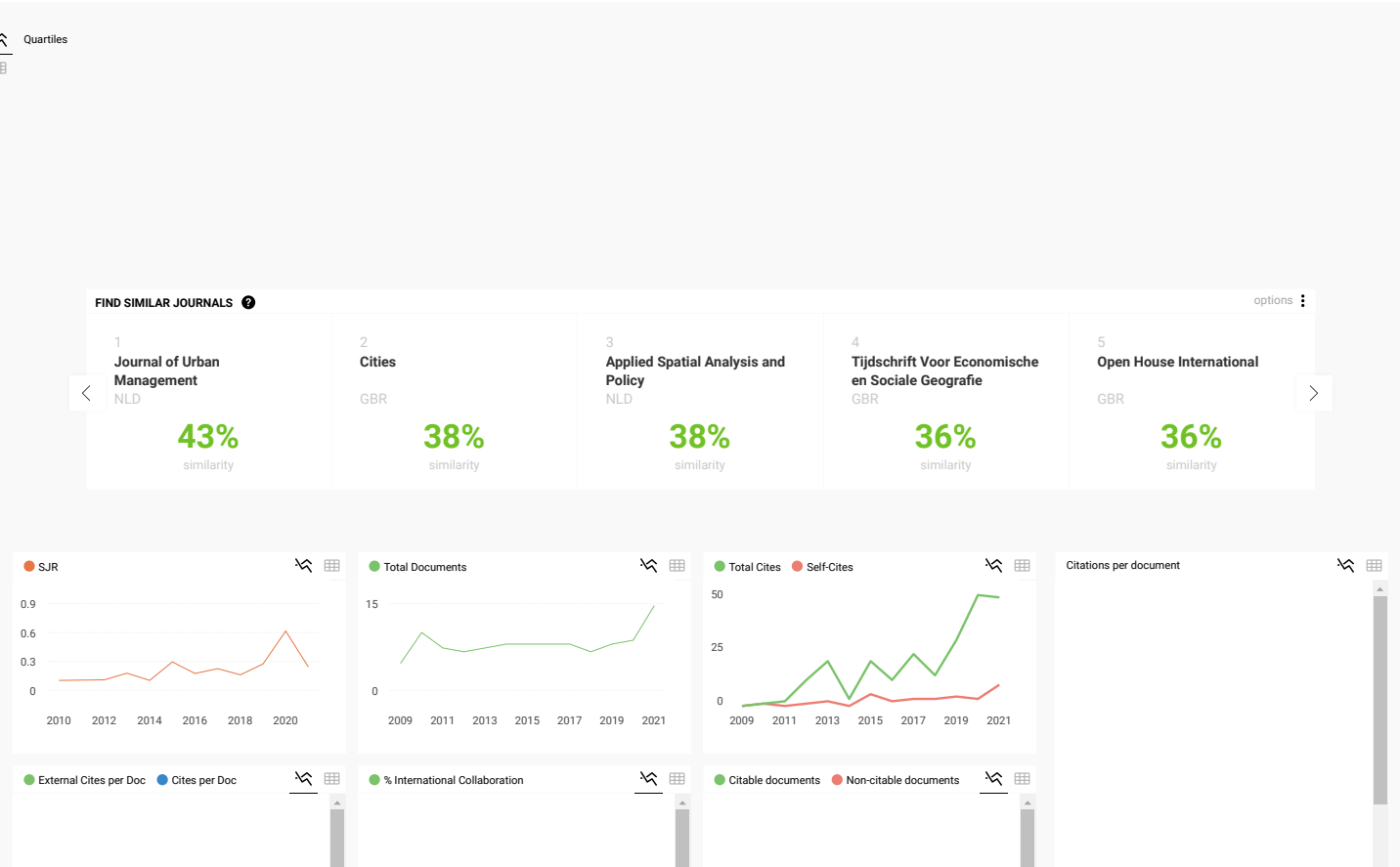
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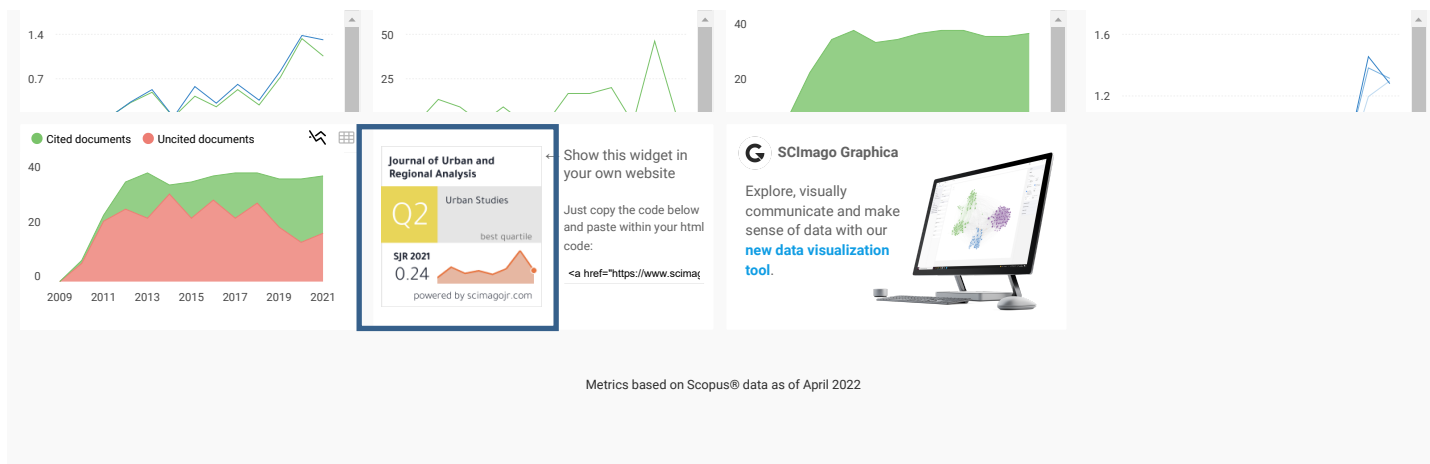
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SCOPE

Urban and regional questions are crucial in understanding the present territorial conditions. From the World Bank's 'rediscovery' in its 2009 Report of the potential of cities in encouraging economic growth, to the multiple ways in which cities are being drawn into the processes of neoliberalism, to the dynamic growth of cities in the developing countries in Asia far out stripping the scale of cities in the older urbanized nations – everywhere there are signs of a rapidly changing urban condition. The same is true for the regions where 'old questions' of regional economic disparity and uneven development are being given a new twist as economic globalization impacts the national and local arenas. JURA, the Journal of Urban and Regional Analysis, working as an Open-access journal (with two issues/year, in February and in August - starting with 2020; previously annually publishing in June and in December, for the period 2009-2019), was launched as a response to the exciting world of urban and regional research emerging in reaction to these changes happening in the real world. JURA represents the initiative of the Interdisciplinary Center for Advanced Research on Territorial Dynamics (CICADIT) at the University of Bucharest working in collaboration with Ronan Paddison at the University of Glasgow. While the intention is that articles published by JURA will draw on examples throughout the world, particular emphasis will be given to urban and regional change as it is being experienced in Eastern Europe.

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THE EFFECTS OF SPATIAL DEPENDENCE AND RESOURCE AVAILABILITY ON RURAL DEVELOPMENT PLANNING PROJECTS IN THE HETEROGENEOUS MICRO-REGIONS OF THE SOUTHERN TRANSDANUBIAN REGION, HUNGARY

Bernadett Horváthné Kovács^a, Viktor Varjú^b, Bernadett Nagy^a, Kinga Szabó^a, Diána Koponicsné Györke^a, Róbert Barna^a

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^b Centre for Economic and Regional Studies, Pécs, Hungary

Keywords:

spatial autocorrelation;
territorial planning
model;
rural development;
local resources;
regional clusters

Abstract: Applied methods and materials to support regional planning vary; planners update their analytical frameworks based on the newly available data. Development goals, priorities and strategies need to be based on available (local) resources, which are identified as either comparative advantages or uniform development goals at a certain planning level. This paper presents a novel analytical framework for the Rural Development Programme of the South Transdanubian Region (Hungary) for the period of 2021-2027. Descriptive, cross tabulations and indicators of spatial autocorrelation were applied to the number of projects supported under the Rural Development sub-measures in 2014-2020. Large variation was observed in the LEADER development areas, and we confirmed that the pull effect of the regional centres is unclear. The results warn on the location-determined peripheries in the region. Agriculture oriented, even small settlements are better acceptors of rural development funds than other clusters of resource availability.

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Initial submission: 16.08.2021; Revised submission: 05.12.2021; Final acceptance: 15.12.2021

DISTRIBUTION OF HOME-BASED WORK IN CITIES: IMPLICATIONS FOR PLANNING AND POLICY IN THE PANDEMIC ERA

Matthew Zenkteler, Greg Hearn, Marcus Foth,
Marion McCutcheon

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Keywords:

home-based work;
urban inequalities;
walkable
neighbourhoods;
COVID-19;
New Urbanism

Abstract: The rapid growth of home-based work raises questions about its long-term impacts on neighbourhoods and cities. By removing the need to commute, home-based work has the potential to advance the New Urbanism aspirations of walkable neighbourhoods in an urban village format where people live, work and play. Nonetheless, the uneven distribution of this emerging work practice, strongly associated with the socio-economic status of neighbourhoods, is exacerbating the risk of increased urban inequalities. This paper presents pre- and post-COVID data for the City of Gold Coast, Australia, and it discusses the urban distribution of home-based work by analysing the home-based workers' locational preferences, their daily movement patterns, the preferred built environment outcomes, and the urban design features. The findings suggest that certain social and economic interactions tend to increase with the growth of remote work. These interactions, magnified by the COVID pandemic, offer opportunities to advance the New Urbanism aspirations of cohesive, walkable communities and neighbourhoods.

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ANALYSIS OF LANDSCAPE TRANSFORMATIONS IN THE URBAN-RURAL GRADIENT OF THE METROPOLITAN DISTRICT OF QUITO

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Keywords:

urban-rural gradient;
landscape metrics;
spatiotemporal
analyses;
Latin-American
urbanisation

Abstract: The relocation of services in the peripheries and the new urban expansion patterns have dramatically altered the periurban landscapes. However, due to its transformation speed, there is limited knowledge regarding the spatiotemporal changes of these interstitial territories. By calculating landscape metrics in high resolution satellite images, this research analyses spatiotemporal transformations in the Metropolitan District of Quito urban-rural gradient, testing a novel and accurate method to identify urbanisation tendencies. The results evidence the main role that new road infrastructures have had in urban expansion. Also, the analyses reveal significant changes in agricultural coverages (related to the subdivision of rural lots) and the processes of vegetation fragmentation, evidencing the environmental fragility of these territories in transformation. Finally, the Markov chains modelling technique was applied, exploring the landscape change probabilities in the following years. This methodology can be particularly useful in land-use planning policies since it provides precise knowledge about the main tendencies of urbanisation.

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Necessity Determination of Relocating the Capital City with a Defensive Planning Approach

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^d University of Sistan and Baluchestan, Zahedan, Iran

Keywords:

population growth;
underdevelopment;
environmental issues;
capital relocation;
Tehran

Abstract: This study evaluates the necessity of moving the capital city of Iran within a defensive planning approach and its impact on the national economic, social, and environmental aspects. Data consist of statistical documents and questionnaires, supplemented with 26 demographic, economic, environmental, infrastructure, health, and security-defence indices. To analyse the data, the statistical methods of spatial autocorrelation of Moran and Ripley's K function are used. The results show that centralization in the demographic, economic, and political dimensions of Tehran as capital city, along with natural threats, has led to underdevelopment and environmental issues. In addition, the unequal distribution of services in Iran's provinces and the centralization of services and facilities in Tehran has raised the need to move the capital as a development strategy. In this strategy, the government should pay more attention to the country's macroeconomics, especially the per capita GDP, including long-term forecasts and development plans for the provinces because only macroeconomic stability can lead to more stable economics in all parts of the country. Under such circumstances, any future policy regarding the relocation of the capital will be easier, and the economic and political stability of the country will not be disrupted.

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