

The Spatial MBTI Landscape Approach to De-population Mitigation

- With South Korea facing a population crisis, the government, primarily under the leadership of the Ministry of the Interior and Safety, has launched initiatives to support regions.
- In November 2021, the Ministry of the Interior and Safety designated 89 areas as population decline areas based on the Population Decline Index for focused policy intervention.
- In December 2021, Articles 22 through 29 were newly established in the "Local Autonomy Finance Management Act", introducing the "Fund to Respond to Local Extinction" to be supported by the central government for the years 2022 to 2023.
- However, existing spatial strategies face challenges in providing strategic responses tailored to the specific characteristics of each region, mainly due to limitations in objective, specialised analysis of regional issues, insufficient spatial planning guidelines, and underdeveloped support systems, making it difficult to implement effective, sustainable solutions.

This research introduces a regional diagnostic funding system to better understand and address depopulation challenges. By analysing demographic trends, spatial characteristics, and economic factors, the research proposes customised policy solutions that reflect each region's unique needs

Policy Recommendation

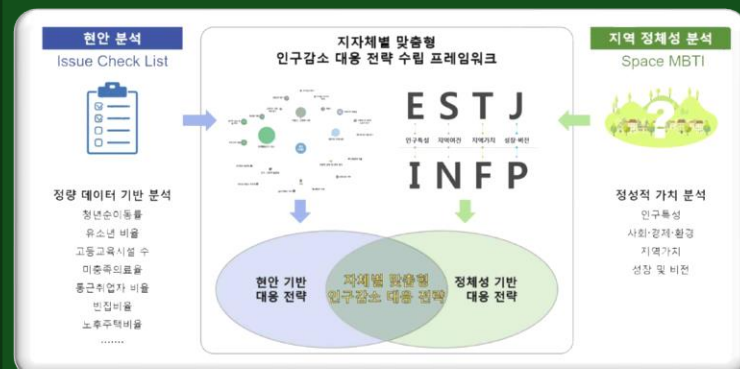
Core Challenges Identified: The primary issue lies in the deterioration of the physical environment, which negatively impacts infrastructure and service quality.

Complex Interdependencies: Population decline areas face intertwined human and spatial challenges, highlighting the need for strategic policies that foster economic activity and attract residents.

Regional Insights: The study underscores the importance of understanding local conditions, leveraging synergies with neighbouring areas, and identifying regional distinctiveness to inform policy decisions.

Policy Implications: The findings inform subsidy investment strategies for the Fund to Respond to Local Extinction, offering targeted policy recommendations.

Practical Application: The findings provide local governments with a clear assessment of their strengths, weaknesses, and comparative position, facilitating data-driven decision-making and regional benchmarking.



Source: Park et al., (2023) A Study on a Diagnostic System for Population Decline Areas to Develop Customised Spatial Strategies. Sejong: Architecture & Urban Research Institute.

The Significance of Geography-Based Spatial Policy in Addressing Population Issues

A comprehensive approach integrating demographic, spatial, economic, and social factors offers a more effective strategy for revitalising South Korea’s declining rural communities:

- Population (External & Internal):** Population trends, composition, and demographic characteristics
- Place (Nature & Structure):** Housing, green spaces, urban infrastructure, education, cultural and welfare facilities, and safety indices
- Value (Tradition & Future):** Employment, industry, and business environment indices
- Lifestyle (Temporary & Long-Term):** Quality of life, social services, including healthcare and elderly care

Study Scope: This research examines 89 local government units designated as population decline areas and 15 metropolitan local government units.

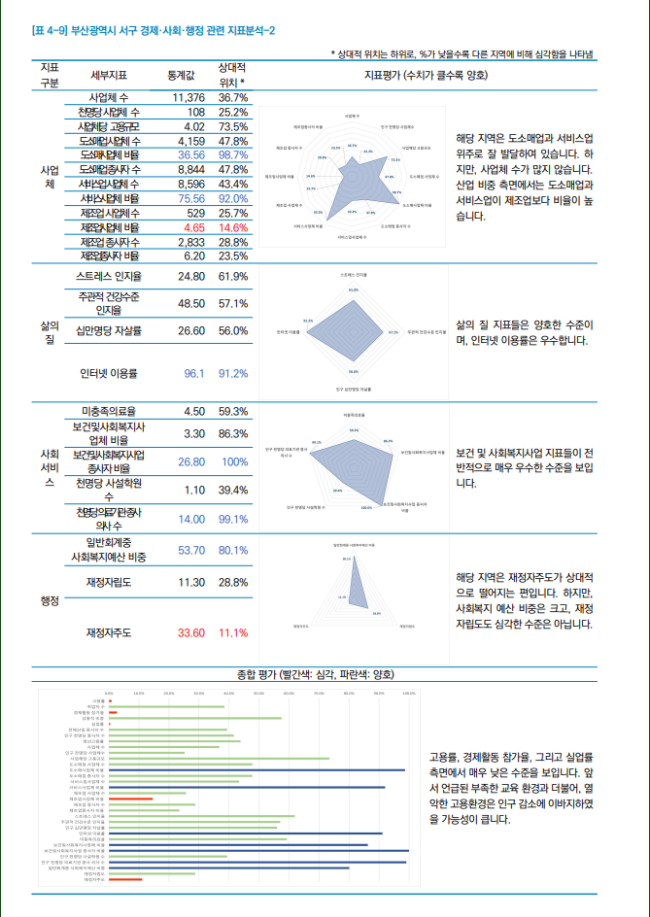
Methodology: A mixed-method approach combines quantitative analysis of regional statistics with qualitative insights from expert opinion surveys to provide a comprehensive understanding of the issue.

Combining quantitative data analysis with expert insights, this research aims to enhance urban planning, optimise government funding and develop place-based strategies that support long-term regional resilience.

The area where the population is shrinking is expected to be able to understand the region in different ways, using the strengths and weaknesses of the area and what the residents like, by combining the experts' analysis and the numbers to show the changes in the area, based on the 'Regional Characteristics MBTI', to create customised spatial policies (Ministry of the Interior and Safety, 2024).

Source: Ministry of the Interior and Safety (2024) ‘Supporting the Establishment of Customised Policies by the Region with the MBTI’.

The following excerpt is a segment of the analytical report (Park et al., 2023)



Source: Park et al., (2023) A Study on a Diagnostic System for Population Decline Areas to Develop Customised Spatial Strategies. Sejong: Architecture & Urban Research Institute.

Acknowledgement

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Geographical characteristic-based policy (MBTI)

Population	Place	Value	Lifestyle
E:Externality I: Internality	N: Nature S: Structure	T: Tradition F: Future	P: temPorary J: Journey

Source: Sung (2025) The MBTI Spatial approach.