THE INDUSTRIAL AGGLOMERATION ECONOMIES IN THE MEGAREGIONAL CONTEXT

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Abstract

In recent years, there has been a notable surge in research interest focusing on agglomeration economies and geographic characteristics. Despite the growing body of evidence in this field, there has been a limited exploration of spatial-functional patterns within the context of megacity regions. This study aims to contribute to this ongoing discourse by investigating the spatial-functional roles of agglomeration economies, leveraging geospatial big data. The presentation outlines four specific research objectives: 1. Revisiting conventional approaches to depicting urban agglomeration; 2. Analyzing the spatial and functional structures of agglomeration economies; 3. Assessing the geographical disparities in industrial agglomeration; and 4 Mapping the regional agglomeration network based on industrial functions. This study focuses on China's Greater Bay Area (GBA) as a demonstrative research area. Through this investigation, it aims to establish a systematic analytical framework for examining spatial and functional characteristics within a regional context.

Speaker bio

Speaker: Zidong Yu
Zidong Yu is a PhD candidate, currently affiliated with the Department of Land Surveying and Geo-Informatics at the Hong Kong Polytechnic University, and concurrently, a visiting scholar at the Department of Geography, National University of Singapore. He obtained bachelor's degree in Geomatics from the University of Waterloo and master's degree at the Hong Kong Polytechnic University. Zidong have published a series of research articles that delve into significant topics such as agglomeration economies, urban mobility, and geospatial analysis of socioeconomic issues. His dedication to advancing our understanding of these complex subjects exemplifies his commitment to academic excellence and his passion for exploring the intricate dynamics of the urban environments. As a forward-thinking researcher, Zidong Yu's work continues to contribute valuable insights to the realms of geospatial and urban studies.