

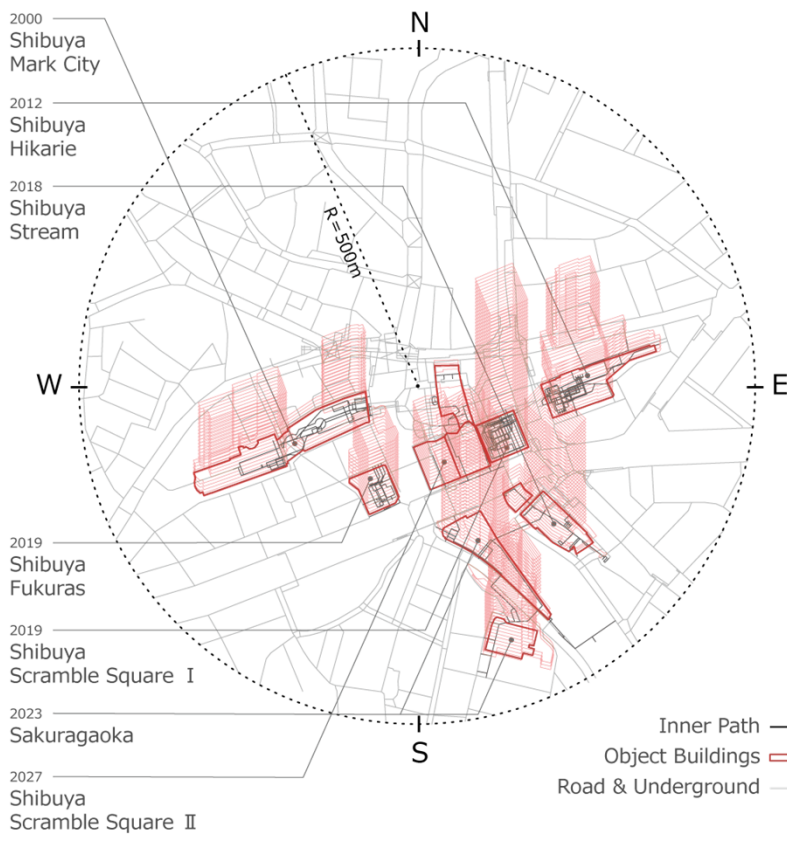
Asian Urban TOD Research

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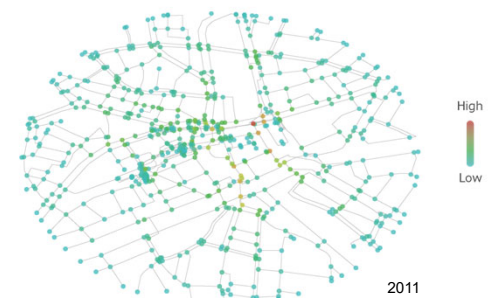
Department of Human and Social Systems
Asian Urban TOD Research

Urban TOD Research

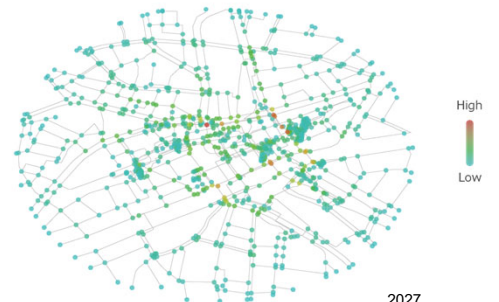
<https://www.hulab.iis.u-tokyo.ac.jp>



Pedestrian Network within 500m Walk form Shibuya Station Area

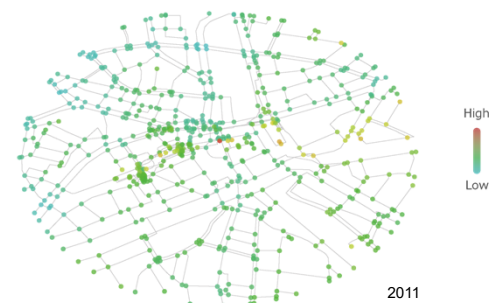


2011

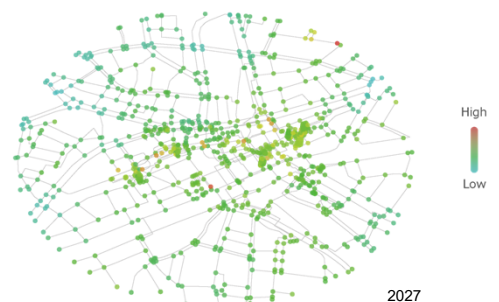


2027

Betweenness Centrality before and after Redevelopment



2011



2027

Detour Rate before and after Redevelopment

By 2050, the United Nations predicts that the number of megacities with a population of more than 10 million worldwide will increase to 43, of which Asian cities will account for 60%.

Megacities must be able to guarantee large-scale population, transportation, maintenance of infras, consolidation of complex functions, and security. Among them, how to plan transportation systems and urban development coordinately will be one of the biggest issues. The TOD model, which advocates "public transport-oriented urban development" that can provide highly efficient and large quantities of public transport services, is considered to be the best solution for the efficient allocation of resources in megacities.

In Tokyo, one of the largest cities in the world, development in a metropolitan area supported by a high-density railway network and redevelopment featuring an advanced three-dimensional transportation system are underway, and it will be a sample of Asian cities as a "big city TOD model". Our laboratory analyzes urban development in Tokyo and aims to contribute to the planning and development of Asian cities.