

Smart Cities

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Health-enhanced Smart City Planning and Development

Abstract

Urban planning, as an important tool for allocating resources and shaping urban space, has the authority to promote public health. Under the concept of “Healthy City” proposed by the World Health Organization (WHO), health-enhanced smart city planning is considered as one of the most important instruments to achieve healthy city.

This presentation, therefore, aims to elaborate the theoretic development and urban practice of healthy city planning in China and its implication for other countries. The theoretic framework of health-enhanced smart city planning is proposed and then its methodology to promote physical and mental health of local residents. It is followed with a demonstration of health-enhanced smart city planning in China at two geographic scales including city district and community. Innovation of institutional design within current planning and development system of China is explored to illustrate the impacts of decision-makings in planning process of a smart city on physical and mental health of local residents and the advantage of integrating consideration of public health in planning. After the elaboration of theory and practice of health-enhanced smart city planning in China, this presentation is concluded with the insights from China that may benefit to cities in the world in terms of planning and developing healthy smart cities.