

Chapter 10

Policy Recommendations on the Application of AI to the Development of Smart Cities: Policy Implication to the Government and Suggestions to the Enterprise

Kangjuan Lyu

SILC Business School, Shanghai University, China

Miao Hao

SILC Business School, Shanghai University, China

ABSTRACT

Building a smart city requires maintaining “wisdom” in concept, which requires scientific top-level design to properly handle the contradiction between partial interests and overall interests. Its ultimate goal of urban development is to serve people, so equal importance should go to both construction and operation. This chapter emphasizes trading-off some relationships in smart city development, such as diversity and homogeneity, technology orientation and demand orientation, information sharing and information security, the invisible hand of the market with the visible hand of the government, etc.. Finally, it puts forward adopting the development mode that drives overall development through typical examples as a good way.

The development of smart cities based on AI technology is essentially a transformation of urban economic and social development. It is also a transformation of production and life style caused by technological innovation, these transformations are reflected in the innovation of economic development model. In essence, the smart city concept means that urban development should not only realize thorough perception, interconnectivity and in-depth intelligence in technology, according to the International Business Machines Corporation, but also to realize the comprehensive “wisdom” of urban economy, life, and

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management. The development of smart cities is a long-term task because it never ends once started. People's desire and requirements for a better life will not stop. Therefore, it is the eternal goal of social development to meet people's growing material and cultural demands.

The development of smart cities is a complex systematic project that requires wisdom from concepts constructions and ideas. Multiple subjects should be coordinated in multiple dimensions during the development process. In this process, the government should accurately position itself and introduce scientific public governance policies. At the same time, some mistakes should be prevented.

1. BUILDING A SMART CITY REQUIRES INCORPORATING "WISDOM" IN CONCEPT

1.1 The Development of Smart Cities: A Complex Systematic Project, Requiring the Establishment of Scientific Systematic Thinking

Having information and knowledge is not the same as having wisdom. At present, the global smart city development is booming. Almost all countries have put forward the goal of building smart cities at different levels. Fernando Savater, a Spanish philosopher, differentiated the concepts between information, knowledge, and wisdom in his famous book *An Invitation to Philosophy*, stating that the three is a sequence from low to high: information is fact; knowledge is reflection on information as fact; and wisdom is the connection between knowledge selection and our values. Rising from knowledge to wisdom requires a process of connection with real life and assimilation with values and worldviews. In other words, information and knowledge are related to things, while wisdom is related to life. Information and knowledge are not equal to wisdom.

There are three levels of smart cities. The basic level is a variety of physical facilities. People use sensors and smart devices scattered all over the city to collect all kinds of data information in the operation of the city. They are an extension of the human sensory organs. The second level is the network. The monitored information is transmitted and processed in the network system to realize the connection between people and people, people and things, and things and things, so as to integrate and coordinate the operation of the whole city. The top level is human wisdom. People innovate in technology and management, and turn wisdom into a new driving force for urban development. They make cities more intelligent and enable all systems and participants to collaborate efficiently. These three levels must be integrated into a trinity to form a smart city. In a word, the intelligence of a smart city is endowed by human beings and determined by the level of human wisdom.

People like to hear vivid descriptions of the various technologies and applications of smart cities, and regard them as solutions to various "urban diseases". However, we must remember that building a smart city needs people's wisdom the most. A long-term plan should be made based on intelligent thinking. Data show that by 2018, more than 1,500 "smart cities" have been launched or under construction in the world. These cities are located in Asia, Europe, America and Africa, including cities in China. The report mentioned that more than 500 cities in China have launched smart city plans, which is the most in the world (Deloitte Touche Tohmatsu Limited., 2019). Because of the large size of cities in China, once smart cities are implemented, it becomes a "big cake" that worth trillions of Yuan even if on a conservative calculation. Enterprises from all over the world will be naturally engaged in this fierce competition. Therefore, a question arises spontaneously. That is, how can we use wisdom to make our own industrial

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