

Analysis of Urban Fine Management under the background of Smart City

Huang Lujian

University of Chinese Academy of Social Sciences, Jiangsu, 102488, China

email: huang_lujian0523@126.com

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Abstract: With the development of society and the progress of science and technology, the rapid development of every city in our country, the idea of intelligent city is dense and born, which is the trend of the development of the times. Under the background of the intelligent city, the fine management of the city must be in line with the international, but it should also make appropriate adjustments according to the actual situation of each city. This paper briefly expounds the experience of the fine management of the city under the background of the intelligent city, and analyzes the direction of the fine management of the city under the background of the wisdom era and the framework and countermeasures of the fine governance of the multi-subject co-governance.

1. Introduction

With the acceleration of the process of urban modernization, the scale of the city is expanding and the number of cities is increasing, but at the same time, it has caused many problems of urban management. From the traditional point of view, the government, as the main body of urban management, has been unable to meet the needs of the diversified development of the city, the state of the city and the level of economic development do not match, and under the mode of government management, it hinders some enterprises and non-profit organizations to participate in urban management. In particular, Beijing, Shanghai and other big cities, fine management is particularly important, so under the background of the rapid development of intelligent city, science and technology, the fine management of the city is the urgent task at present, therefore, the research of this paper has a certain practical guiding significance [1].

2. Experience of Urban Refinement Management in the Context of Smart Cities

Intelligent city concept and related technology can have a direct impact on urban fine management. For foreign countries, communication technology, public participation, such as the United States favor the rule of law, the United Kingdom mainly public participation, while Japan mainly community coordination. The progress of Internet technology and communication technology not only improves the level of public service, but also provides a good way for the public to understand the government, and promotes the public to become one of the main bodies to promote the fine management of the city [2]. At present, online participation is a new way, which has been widely popularized to facilitate the government to get the information of public discussion on the social platform. However, taking into account special groups, such as persons with disabilities, women and children, participation needs to be further improved.



Figure 1 Smart Cities

For the domestic only, mainly community governance public services and public participation, but community interests of the main differentiation of community management problems. The guidance of the concept of urban fine management under the background of intelligent city urges the main body to continuously enhance the participation consciousness, actively join the organization construction, and promote the multi-subject participation to become the important factor of urban fine management. Internet technology and communication technology, realize the specialization and networking of urban management, and then realize the refinement of public service [3]. For the problems existing in public service, we can actively encourage social organizations and the public to participate in it, strengthen the sense of public responsibility, and thus improve the quality of public service, which is also the embodiment of the people-oriented concept of urban management.

3. The Direction of Urban Fine Management under the Background of the Age of Wisdom

Under the guidance of the wisdom era and technical support, the direction of urban fine management mainly has the following aspects: first, explore the role of multiple subjects to participate in urban fine management. The main body involved in urban fine management is divided, and the objectives and tasks related to urban fine management are matched. Through the big data analysis technology, it shows the role between the participation of multiple subjects and the fine management of the city. Secondly, draw lessons from foreign excellent wisdom city idea and technology. Summarize the ways of fine management of cities in the United States, the United Kingdom and Japan, and compare with different levels of cities in our country, draw excellent experience from it, and sum up the intelligent city fine management mode suitable for the national conditions of our country. Then, scientific and reasonable evaluation of different levels of urban fine management of the current situation and its problems. In recent 20 years, the rapid development of major cities and towns in our country, scientific and reasonable evaluation is the urgent task, according to the evaluation results divided into stages of development, and urban suburban communities and other different forms of urban space management guidance. Finally, the implementable urban fine management scheme is proposed [4]. For the different types of urban space and the development stage of the city, the author puts forward the corresponding urban fine management strategy from the four aspects of community, street, district, city and so on. At the same time, the government is required to step up publicity and actively encourage enterprises to participate in urban management by non-profit organizations and citizens.

4. Urban Fine Governance Framework and Countermeasures of Multi-Subject Co-Governance

China's urban fine management of small success, but there are certain problems. Therefore, we can draw lessons from the excellent ideas and successful experiences of advanced cities at home and abroad, use the internet technology to evaluate the present situation of urban management and the existing problems scientifically and reasonably, explore the mechanism of multi-subject participation in urban fine management, and then put forward the strategy pertinently.

4.1. Multi-subject Cooperative Governance Framework in Smart City

Urban fine management needs to make full use of the intelligent city concept and technology, through the information technology, big data and other platforms, to explore new ways of fine management, expand the multi-subject participation in urban fine management, and then promote the development of urban economy. Therefore, we should grasp the relationship between technology, space and subject. The participation of diversified subjects is very important to the fine management of the city, mainly including the government, enterprises, non-profit organizations and the public. In addition, information technology is also an important factor, which provides conditions for the participation of multiple subjects.



Figure 2 Smart Cities

4.2. Subdivide Multiple Subjects, Matching Spatial Scale

Fine management requires multiple subjects to participate together, promote the implementation of urban fine management, and effectively coordinate the multi-subject unified urban management is the key issue to be considered in the future. The participation of multiple subjects is beneficial to the implementation of fine urban management measures, mainly including government, enterprises, non-profit organizations and the public, to some extent, this has changed the previous situation of urban management, the government is no longer a single management subject, the government grants some rights to enterprises, non-profit organizations and the public. In the process of urban fine management, each main body uses its own resources to contribute to the development of the city, and then reduce the pressure of government management. However, the participation of enterprises, non-profit organizations and the public will also have a certain impact on government management, so in the process of urban fine management, it is necessary to formulate the corresponding restriction system to ensure that the government, enterprises, non-profit organizations and the public are in good condition, restrict each other, balance each other, and jointly promote the process of urban management.

For the government, enterprises, non-profit organizations and the public, the four main bodies need to be based on different spatial scales, such as community, suburban, urban and other corresponding management model. Shanghai, as a first-tier city in our country, is also the first city to pilot according to the concept of "two levels of government, three levels of management ". The government gives some management authority to the street, and for a time, the efficiency of urban management is greatly improved. However, at the same time, there are some problems in the operation of the city system, the power of the sub-district office is equivalent to the first level of government after the increase, but the lack of power to do things, but also make it more difficult for the public to handle affairs. The amount of social organization in big cities does not accord with the level of economic development, and its organizational ability is limited, so it can not play a good role in urban management. Therefore, the multi-subject subdivision, and its matching with the spatial scale docking, will further improve the efficiency of urban fine management.



Figure 3 Smart Cities

4.3. Rational Evaluation of Urban Management Performance Using Smart City Data and Technology

In the process of urban management, we can use a variety of ways to coordinate urban management, such as remote sensing image, GIS technology, big data technology and so on, to a large extent, show the process and layout of urban fine management, and combine the actual situation of the city to reflect the spatial pattern of urban fine management. Establish a unified database, analyze the domestic and foreign urban fine management cases, and then summarize. In addition, staff need to conduct field visits to collect specific urban fine management data through direct and indirect participation, as well as questionnaires designed by multiple subjects.

Using the above methods, we can scientifically and reasonably evaluate the current situation and existing problems of urban fine management, analyze the development stage of urban fine management, and put forward corresponding strategies, so as to build a smart city and promote the process of fine management. The integration of Internet+ technology and big data technology is helpful to the network management system of urban construction. In addition, through GPS positioning and mobile information collection technology, it can collect the behavior data of urban residents on different scales, and then improve the accuracy of analysis, so as to realize the immediate governance and intelligent management of the city.

4.4. Creating a Multi-Subject Consultation Platform to Build a People-Centred Intelligent Community

Through the big data technology, the city street office, the police personnel, the community, the enterprise and so on may spontaneously form the community neighborhood committee, establishes the high quality community troop, then forms the effective multi-subject participation mechanism. At the same time, create multi-subject interaction platform, use big data technology for community propaganda and management, and actively encourage social organizations to participate in urban management optimization. In addition, new media technology can be used to edit text, and through the public number and other self-media platform to show the public, and then achieve multi-subject participation. In conclusion, by means of technology such as Internet+, the intelligent community is built, which creates a good activity space for women, children, disabled people and low-income people, provides quality information services, and ensures that the intelligent community is people-oriented.

5. Conclusion

To sum up, with the support of intelligent city concept and technology, urban fine management is the inevitable trend of the development of the times, we should give full play to the advantages of Internet technology, strengthen the management of urban cyberspace, and promote the process of urban fine management through technology such as big data and cloud computing. In addition, people are also an important factor in the fine management of the city under the background of intelligent city, therefore, always adhere to the concept of people-oriented, fully mobilize the enthusiasm of the public, increase publicity, and actively encourage the public to participate in the construction of intelligent city.

References

- [1] Tang Wenxian. Fine governance leads to the construction of intelligent cities. *Urban Management and Technology*, vol. 20, no. 03, pp. 34-37, 2018.
- [2] Evergreen at night. urban fine governance in the context of intelligent cities. *Urban and Rural Construction*, no. 10, pp. 44-46, 2018.
- [3] Jin Huixin, Zheng Jinfang, Chen Chong. Reflections on Urban Fineness Management-Based on the Perspective of Intelligent City Construction in Qinhuaangdao. *Rural Economics and Technology*, vol. 28, no. 20, pp. 150+152, 2017.

[4] Li Youzeng, Xu Zhenqiang. Reflection and Enlightenment of the Intelligent Construction of Super Large Cities: Based on Shanghai's Practice. Famous Chinese cities, no. 02, pp. 4-11, 2019.