



Under the New Development Pattern Basic Level Government Digitization Governs the Important Significance and the Consummation Path

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Abstract. This paper focuses on the “Modernization of the national governance system and governance capacity”, which was put forward by General Secretary Xi this year, based on the theory of grass-roots governance and the background of big data, this paper analyzes and summarizes the current digital and intelligent governance system and capability of grass-roots society, this paper points out the significance, predicament and improvement path of digital intelligent governance, and analyzes that big data is the breakthrough of constructing grass-roots social governance and improving grass-roots intelligent governance ability, it is the key element of strengthening and innovating the grass-roots governance in the new era in our country, and its predicament mainly lies in the problems of outmoded ideology, shortage of talents related to digital technology and inadequate transitional management, etc. , after the application of digital idea and integral governance theory, hope to provide help for the construction of digital intelligent governance at the grass-roots level.

Keywords: grass-roots governance; digital governance; optimization path

1 Introduction

1.1 Digital Management

“Digital Governance” is a brand-new way of governance, which is an important way to improve our government’s governance ability and efficiency. The construction of “Digital Government” is always based on “People-oriented”, taking digital technology as the core and digital technology as the foundation to construct an intelligent and convenient digital service system, let people get the best public services. When the government has some unique, difficult to copy the resources, it can obtain the first chance in the competition, thus makes it have the stronger competitiveness. Digital technology is such a scarce and difficult to copy resources¹. Through the application of digital technology, the government can obtain the competitive advantage for the government and promote the high-quality urban development under the uncertain economic situation.

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Therefore, fundamentally speaking, the establishment of an intelligent, convenient digital service system, in order to better meet people's needs for a better life.

1.2 Digital Government

Digital government refers to the practical application of digital technology to achieve the intellectualization, capitalization, socialization and strategization of data, data has become the core asset in the digital era, which provides an opportunity for local government to upgrade its social management model, and it can bring new impetus to the reform of social management mode. Digital technology will change the mode of government system and make the management of government revolutionize in system, structure, function, process and mode. However, we should also be fully aware that digital technology is only necessary but not sufficient condition for the social management model of local governments, and local governments also need to pay attention to the effect and process of implementation for the transformation of social management model, only by attaching importance to the combination of reality and technology can the new technology play a more effective role². Digitization and intelligentization have changed people's thinking mode, cognitive mode and idea, everything can be quantified, digital technology will prompt digital decision-making and intelligent decision-making, to promote the democratization and Scientization of government decision-making, how to effectively use digital thinking and technology to further improve government management ability under the background of digitization, it is of great research significance to promote the development of various fields of society and realize the modernization of governance capacity more effectively.

1.3 The Necessity of Digital Governance at the Grass-Roots Level

Digitization achieves high-quality development through government technological innovation. As a new factor of production, digital factor can be reintegrated with traditional factors of production to achieve high-quality development. Big data has become an important driving force for global economic growth. The "20th National Congress" report clearly defined the "Five-year" national development policy, especially in grass-roots construction, put forward many new ideas, new measures. Under the background of the rapid development of digital economy, it is a necessary precondition to promote the development of grass-roots governance in depth on the basis of digital technology such as Big Data and cloud computing³. We must pay attention to the digital governance at the grass-roots level, must stand in the perspective of national development, and use the systematic thought to plan and operate the grass-roots government, in order to solve the traditional way of thinking, technology and talent matching low, improper transformation management and other issues. At present, at the strategic node of the construction of "Digital China" and "Digital China", "Digital Government" is a key link to realize chinese-style modernization, it is the key way to push forward, guide and realize chinese-style modernization. The role of "Digital Government" in the construction of "Digital government" has gradually emerged.

2 Under the New Development Pattern the Grass-Roots Government Digitization Governs the Predicament Analysis

2.1 The Thought Idea is Old

Digital transformation is not only a technological change, but also a cultural and organizational change, in traditional enterprises, employees and managers will produce some new work patterns and ways of thinking, this resistance will greatly hinder the transformation of enterprises. Moreover, if we do not understand the reasons for the digital governance of important cases and the path of their transformation, we are likely to get lost in the process and stagnate. The application of digital technology provides strong support for the innovation of governance mode, the optimization of governance mode and the reconstruction of governance process. Internet, Big Data, intelligent algorithms and other technologies and applications can effectively integrate the country's political, economic, social, cultural, ecological and other fields of information resources, provide important data support and decision support for national and social governance. Intelligent government can break through the time and space constraints, providing a new way for people to participate in the governance of the state and society, so that people can express their will and interests most directly on the internet, through the Internet, policymakers can better understand the reality of the situation.

2.2 The Shortage of Talents Related to Digital Technology

From the perspective of the government's digital-related talent composition, the number of professional digital staff is relatively small, business operation is difficult, integration is slow, and the grass-roots digital management needs to build a lot of technology and platforms, if you don't have the technical skills and resources to do it, it's very difficult to do it. The lack of a professional technical team or a partner can make it difficult to implement the technology, thus affecting the entire transformation process. At the present stage, to achieve the goal of innovation development and economic benefit maximization, we must have the support and support of science and technology talents, so as to better serve and ensure the innovation development of economic society. On the one hand, it can improve the standardization and accuracy of the work and promote its long-term development, it can also promote the economic development of the whole society, enhance the effect and efficiency of innovation development, thus promoting the long-term development of the whole society.

2.3 Inadequate Transitional Management

The collection, management and analysis of data is the foundation of digital transformation. If we can not construct effective data management and analysis mechanism, we can not collect and use data accurately, its real value can not be reflected in decision-making and management. Second, digital governance is not a one-man operation. It

requires the participation and support of the whole society, the promise of digital governance will be hard to achieve. In essence, digital governance is a people-centered, shared governance model, government-led, multi-party cooperation, to improve public welfare as the goal, digital technology and platform-based governance model. Digital governance is a new type of governance, it is a new type of governance. The other is "Digital governance", an innovative approach to governance that addresses the complexities of the digital age. The first condition of improving data governance performance is to attract the attention of government departments, and the policies and decrees of the central government can also be effectively transformed through the technical support system of modern data governance, become an important basis for local government policy and behavior. It can well guide the Local Management Practice, ensure the unity of the central decree, make the policy better carry out the local management practice, and improve the decision-making efficiency and governance level of the government and related departments.

Under the New Development Pattern Grass-Roots Government Digital Governance Path

2.4 Optimize the Top Design

Starting with the top-level design, we can start by establishing a unified code that encourages bold breakthroughs at all levels of government. Then, according to the actual situation of our country, we should establish the relevant legislation system to solve the new problems and challenges. Specifically, it can be achieved from the legislative coordination and balance, to ensure a certain amount of funding, to increase the grass-roots government infrastructure, to increase the importance of digital governance. Secondly, we should perfect our country's digital government management system on the system level. According to the goals to be achieved by digital governance, considering our country's current information technology level, infrastructure status, the distribution of social subjects, willingness to participate, degree of participation, to promote the overall process of governance modernization, the construction of the digital governance system for the overall planning, put forward a system, the overall development of the overall train of thought. In the light of the problems and demands of digital governance, this paper establishes the basic organization structure, defines the work objectives, classifies the posts, standardizes the work contents and the work flow⁴.

2.5 Establish Digital Talents, Improve the Digital Multi-Subject

We should listen to the voices of all parties, fully mobilize all forces, and build a diversified mechanism for the participation of digital talents. The main characteristics of digital governance are: multi-subject participation, common consultation and multi-dimensional interaction. Digital construction needs to bring government departments, social organizations, enterprises, the public and other levels into the digital governance system. To give full play to the initiative of the government, to give full play to their initiative, to allocate resources rationally, to give appropriate policy preferences, to

standardize the participation mechanism, to improve the governance mechanism, to enable all parties to participate effectively in the government's digital governance, so that all parties can effectively participate in the government's digital governance, the realization of the main body of the real "Master.". Second, the economic cooperation organization should be provided with a convenient way to participate⁵.

2.6 Plan and Design Digital Solutions

According to the evaluation results, the business process, organizational structure and so on are optimized to better match with the digital operation. And do a good job, take the initiative to social data, government data and enterprise data integration, data resources to maximize the value of the future digital governance process, to be more proactive, more extensive, more in-depth integration of data resources, make them better serve the society and the public⁶. This can only be achieved by enhancing the disclosure of data through institutionalized means and standardized procedures, which must be made available without compromising state secrets and public security, in particular, those government data closely related to the people should enable the relevant departments to better develop and use historical data, for the benefit of mankind, improve the data-sharing mechanism. If there is no local government's strategic guidance and policy support, then our country's data governance transformation will be more smooth. The government should formulate corresponding development strategies and policies, encourage related technological innovation, and support local governments in scientific and technological research and development and construction of supporting facilities, so as to promote high-quality development of local economy and society. The development practice of our country in recent years shows that big data, cloud computing and other technologies can also inject new momentum into the economic and social development of backward regions and achieve high-quality development. Starting from the long-term goal of "Digital China", the core of "Digital government" is "Digital government". In a sense, the openness of government information reflects the trust of local governments in government governance and their determination to push forward the reform, has great practical significance. Although some local governments have made clear the goal and strategy of government data governance, but in the concrete implementation process and effect, still not well prepared for the system of policies, organizations, processes and the staff's own ability to work and so on.

3 Conclusions

With the wide application of the new generation of information technology such as artificial intelligence, big data, cloud computing, 5G communication, etc., and provides the new technical way for our country's modernization governance. The report of the 20th National Congress of the party proposes that, "By 2035, our overall development goal is to basically complete the modernization of our national governance system and capacity. At present, with the continuous changes of national governance scenarios and governance modes, the construction of "Digital Government" has become a key link for

all levels of government to cope with the digital tide, improve the level of government services, and improve the level of government decision-making. Local government digital governance is deeply integrated with grass-roots governance practices and digital technologies, and effectively connects intelligent government affairs with innovation in government systems, which is an inevitable trend of transformation of local governments and the requirements of the times; It is an objective requirement to realize fine management and scientific decision-making, and an important path to realize the mutual benefit of resources and the protection of citizens legitimate rights and interests. Building a digital government has its pros and cons. In the long run, building a digital government can greatly improve the efficiency of the government and enhance the resilience of the government. In emergency or special circumstances, digital government can often play an effective role, enhance the ability to defuse risks, and better protect the smooth social order. At present, the construction of digital government is speeding up, but it is also faced with some practical difficulties: first, outmoded ideas, second, digital technology-related talent shortage, third, inadequate transitional management.

References

1. F. F. Sharipov, M. A. Dyakonova, M. Xu (2022) Особенности цифрового управления современной экономикой. *J. Commun.*, 138-144. 10.26425/1816-4277-2022-7-138-144.
2. Doran Nicoleta Mihaela; Puiu Silvia; Bădîrcea Roxana Maria; Pirtea Marilen Gabriel; Doran Marius Dalian; Ciobanu George; Mihit Lavinia Daniela (2023) E-Government Development—A Key Factor in Government Administration Effectiveness in the European Union. *J. Commun.*, 10.3390/ELECTRONICS12030641.
3. Eriksson Andrea; Dellve Lotta; Williamsson Anna; Skagert Katrin (2022) How Conditions and Resources Connected to Digital Management Systems and Remote Work Are Associated with Sustainable Work. *J. Commun.*, 10.3390/IJERPH192315731.
4. Phuong Ngoc Nguyen Hadi Khorsand; Tomáš Peráček (2023) Implementation of a Working Time Recording System as a Digital Management Tool in Public Administration. *J. Commun.*, 10.3390/ADMSCI13120253.
5. Yaqing Liu; Chengping Zhang; Chaoqin Tan; Zefeng Li (2023) A Digital Project Management Mechanism Based on Enterprise Architecture. *J. Commun.*, 10.25236/AJBM.2023.052108
6. Wang Yi; Li Lei (2023) Digital Management Mode of Enterprise Human Resources under the Background of Digital Transformation. *J. Commun.*, 10.1142/S0219649223500272

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