Status Quo of Social Public Information Resources Integration in Chongqing

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Abstract

According to the relevant information of the Chongqing E-government Office, the municipal government office, the Municipal Development and Reform Commission, and the relevant information, from the integration and sharing of government information resources, the construction of social public databases, and the construction of key government application platforms, etc. These aspects combed the current status of social public information resources integration and provided a realistic basis for the integration of social public information resources in Chongqing.

Keywords

Government Information Resource Integration, Basic database, Government Affairs Application Platform.

1. Introduction

At present, the integration of urban social public information resources is a key and hot issue in the construction of informatization. It is of great significance to promote the transformation of economic and social development and promote the transformation of industrial structure. In recent years, many experts and scholars in China have devoted themselves to the study of the status quo and the path of the integration of urban public information resources. However, there are few studies on the integration of public information resources in specific cities. To this end, the article takes Chongqing as an example to study urban society. The current situation of the integration of public information resources seeks to provide experience for the integration of urban social public information resources.

2. Analysis on the Current Situation and Problems of the Integration of Information Resources in Chongqing City

2.1 The status quo of integration and sharing of government information resources

2.1.1 Status Quo of E-government External Network Construction

The e-government extranet project in Chongqing began construction in 2005. It was constructed by the general office of the municipal government in accordance with the requirements of the non-involvement network and was put into use in July 2006. At present, the e-government extranet has covered the city's government system, some central government units, 38 districts and counties, 3 development zones, and more than 1,000 towns and streets. At present, Chongqing has established an on-line examination and approval platform for the entire city to initially implement all online approvals for matters involving confidentiality, security and stability.

2.1.2 Status quo of interconnection of government affairs information systems

At present, most of the functional businesses handled by various departments through the use of information technology are mainly internal or vertical industrial networking applications. Only some of the services have achieved horizontal networking with relevant units, and the horizontal interconnection applications of these services are not high enough. The single-point access method realizes that the system realizing the interconnection and interoperability services is minimal. Therefore, it is particularly urgent to integrate the e-government infrastructure network and the business systems of various departments to build a shared application platform for all municipalities.

2.1.3 The status quo of integration and sharing of government information resources

The integration of information resources has always been a challenge for the development of e-government in Chongqing. The e-government office tried to carry out resource integration through administrative means, but the effect was not obvious. At present, the integration of information resources in Chongqing mostly focuses on the integration of vertical resources. There are very few departments that realize the integration of horizontal resources, and there are no unified standards for exchange and storage. The current situation of resource integration is not optimistic.

2.2 The status quo of public basic database construction

The establishment of three basic databases to provide information support to the four platforms and the government affairs system is the goal of the integration of information resources, including natural person information database, legal person information database, and geospatial basic database.

2.2.1 Municipal Public Security Bureau：Natural Person Information Database

The natural person information database is based on the population household registration information base of the public security department and builds basic supporting databases such as pooled databases, integrated databases, and thematic databases to solve the problem of division among departments and divisions, and integrates and optimizes the organizational department of the Municipal Party Committee and the Municipal Health and Family Planning Commission. The information resources of the Municipal Human Resources and Social Security Bureau and other units use the citizen ID number as an identifier to gradually superimpose other information such as personnel, social security, family planning, public health, etc., and build a unified basic database and special database. The masses, enterprises, government agencies provide information services.

2.2.2 Municipal Bureau of Industry and Commerce: Corporate Information Database

The basic information database of legal entities is based on the basic information of legal entities, establishes information sharing and checking mechanisms, makes full use of economic census information, and gradually builds corporate credit, investment in fixed assets, industrial structure, employment scale, production and management, tax revenue taxation, and corporate business. Business information bases such as scope.

The corporate information database system is undertaken by the Municipal Bureau of Industry and Commerce and is planned to be divided into two phases:

The contents of the first phase of the project are mainly based on Chongqing's e-government internal and external networks, and are based on corporate information resources of the industrial and commercial, editorial, civil administration, and quality supervision departments, and build a basic database of corporate data; a data exchange and sharing platform is preliminarily established to achieve inter-departmental legal entities. The exchange and sharing of information data, and the establishment of standards and norms related to legal person banks, provide the specification and guidance for the subsequent deepening of the corporate information database system.

The contents of the second phase of the project are mainly to improve corporate database information, corporate data sharing and exchange platforms, system hardware and software support platforms and

security assurance mechanisms, and construction of corporate data application service platforms and corporate database maintenance systems.

2.3 .Key government application platform construction status

2.3.1 E-government Office：Government sharing application platform

The integration of information resources is the key to the development of e-government, and it is the main data support for electronic administrative approval and coordination. The information resource sharing platform is led by the E-government Office. It plans to use the "1+2+5" model: "1 platform" to realize the sharing of information resources and network exchanges on the platform; "two modes", one The model is to establish a centralized database, develop a thematic network, achieve interconnection and interoperability, and build a unified data exchange center. Another model is the open data interface. The public information database only leaves one interface. Each department obtains data through this interface; 5 application support systems, including systems for decision making, general office, special topics, and public services. The network architecture adopts a heterogeneous model, combining physical concentration with logical concentration. Based on the basic information database, a special database is established according to business requirements.

2.3.2 Economic and Information Commission：Information platforms that benefit the common people

Information platforms that benefit the common peopleis an important link between the government and the public. Through the realization of business coordination and information sharing between departments, the Group will gradually realize the full coverage of public service issues and social information services, all-weather acceptance and "one-stop" processing.

In 2014, the Chongqing Municipal Economic and Information Technology Committee took the lead in the construction of an information and citizen application platform. It plans to integrate information resources from 37 departments to build a Huimin application platform and build a unified online administrative examination and approval service hall in the city. The construction of the platform adopts the "1+2+9" program: 1 idea, 2 systems, and 9 important fields. One idea is to provide one-stop service to the citizens; two systems are standard systems and safety systems. Standard systems include standards for data management and operation cooperation; safety systems include technical safety, information security, and operational safety; 9 important public The service sector includes social security, health care, education, transportation, employment, pensions, food and drug safety, smart communities, and benefits farmers. It has a total of more than 1,000 services. At present, Chongqing's Information Huimin application platform has achieved three main functions of government affairs information inquiry, examination and approval items handling, and convenience information services.

2.3.3 Development and Reform Commission：Credit Construction Application Platform

The establishment and improvement of the social credit system is one of the important signs that the market economy continues to mature. Its core role is to record the credit status of social entities, reveal the advantages and disadvantages of social entities, and alert social entities of credit risk.

The construction of the credit construction application platform in Chongqing adopts the "One Cloud, One Library, Three Portals, and One System" program: "One Cloud", using the cloud platform leasing service; "One Library", after calling the database of legal person and natural person, it superimposes each department. The credit data forms a credit database; "a portal" establishes the "Credibility Chongqing" portal; "Three Systems" refers to the credit information sharing catalog and standard system, collection and exchange system, and security and operation and maintenance system. The credit construction platform's data needs to collect the company's credit information from the industry and commerce's joint credit system, and at the same time it needs the database of legal persons and natural persons to support it.

2.3.4 Politics and Law Committee：Social Governance Application Platform

The social governance application platform is mainly the administrative work platform of the comprehensive management office, public security bureau and other departments. It will introduce modern information technology into the grassroots management, take the household registration management as the core, and take comprehensive measures to maintain stability as the starting point, combined with basic party organizations, family planning, and civil affairs. , Economics, social security, village affairs and other applications, build a social management information base.

The social governance application platform was led by the Political and Legal Committee and coordinated the construction of the "9+X" comprehensive information management system platform. The nine projects of the platform are "the organization team, the actual population, two new organizations, special populations, key populations, and social security. Campus neighborhoods, conflict resolution, and coordination disputes. In addition, X joins the column "Courage for Truth". The platform is a non-disclosed government work system.

2.3.5 City Hall：Integrated Information System

Chongqing has been building a comprehensive information system for Chongqing since 2014. The platform will access Chongqing's natural person information database, corporate information database, and geospatial information database, as well as government information resources of all departments and districts and counties in Chongqing, enabling real-time sharing, exchange, and integration.

The platform was formally launched on January 22, 2017. At present, the city has compiled and completed the information exchange directory of the city's information resources, and achieved interoperability with the 31 city-level departments of the city, accumulatively completing the sharing of 1,063 information resources, and nearly 5,000. Ten thousand data were shared and exchanged, and the total number of data calls of various departments reached 12.59 million.

3. Conclusion

At present, the integration of social and public information resources in Chongqing has achieved certain results in the construction of the integration and sharing of government affairs information resources, the construction of social public basic database, and the construction of key government application platforms, but there is room for further improvement. The author will continue to pay attention to the process of integrating social information resources in Chongqing and other provinces and cities, and further study the integration of urban social public information resources.

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