Use Big Data + Internet Thinking to Solve the Problem of Data Governance

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Abstract. Nowadays, with the development of cloud computing, Internet of things and mobile Internet, big data is exerting a huge influence on the global economy and society. The era of big data has brought new challenges to social governance, requiring us to grasp the characteristics of social governance in the era of big data, change the research methods of social governance, and meet the needs of social governance in the era of big data. Government affairs open service platform to integrate distributed and heterogeneous system of information resources, eliminate the "information island" phenomenon, through the open service platform, service background, e-government service management platform, monitoring platform four subsystems to achieve between different institutions, different application system and database based on the different transmission protocol of data exchange, information sharing and business collaboration, thus to provide good data to support the government and the enterprise information construction environment.

1. Introduction
In the era of big data, the Chinese government vigorously promotes the development of e-government, promotes the transformation of government functions and management innovation, and deepens the application of e-government, which means that the construction of informatization will become one of the core forces to promote China's economic and social transformation.

Provide the basis for policy making and improve the level of scientific decision-making. The government cannot make decisions without the support of data resources. Government is the leader of the social governance, in the policy of social norms and, by means of data collection and analysis, explore the correlation among data, find the hidden data regularity of information, and the processing of the data analysis results into the basis of policy decision, so can reduce the deviation due to the lack of data support, so as to improve the efficiency of the decision-making level and the public service. At present, big data has gradually become an important means for the government to make public decisions and the business decisions of enterprises. The popular saying in the field of data is that "better data means better decisions". intelligent transportation, such as city by way of bus card record, cell phone signal source on city bus passenger flow information of the data analysis, excavated from traffic, passenger flow convergence point, effective information, such as traffic congestion point for the sound plan of the city bus lines and site set up to provide important decision-making reference, make most people can enjoy the timely and convenient transportation service, improve the public transport travel ratio, alleviate the urban traffic congestion.

To be specific, guizhou's development of big data, on the one hand, is the inevitable choice of transformation and development. Both to economic development in guizhou to "catch", and "turn", before the double tasks, the dual pressure of the general mode of economic growth hard work, and
must not walk the treatment after pollution”, must not go at the expense of the environment for GDP growth of crooked road, also must not walk holding hills and green “iron rice bowl” poor road, must cultivate new forms, new industries, and seek new development in the science and technology revolution opportunity motivation and development mode, ecological priority, green development, must take a new road ecological beauty, and the people beauty. At present, our country is in promoting Internet, big data, artificial intelligence and the real economy a key period of depth fusion, the value of the data is more and more big, the era of big data based on the data of related technologies, the application form is in rapid development, application development based on the data of new wisdom has become a key areas of informationalization construction of the government departments.

2. Features of Guizhou E-government Network

2.1. Basic Framework and Construction Ideas of E-Government Cloud

According to the top-level design planning, cloud web-based e-government and e-government network deployment, including internal and external two parts: one is geared to the needs of the public, with the Internet as the carrier, based on China, guizhou government portal cloud platform, fully integrated province online business hall, public resources trading platform, and cloud data such as traffic, tourism, environmental protection, business, cloud resources, build information, convenient service, interactive, online public service platform for the integration of a mesh type, are deployed on the Internet at the provincial level public service total exports abroad. 2 it is geared to the needs of the provincial government system of civil servants, in the province outside the e-government network as the carrier, based on a provincial e-government network platform, the integration of various kinds of e-government application module and system, realize the trans-regional, cross-sectoral, across levels of information sharing and linkage office, as do article office will handle affairs, the provincial government system of protecting emergency, auxiliary decision making support the administrative work, such as civil servants working, learning, is the provincial government system, management of the internal total entry.

2.2. Features of Guizhou E-government Network

Full dynamic information release. In the architecture, the system is based on the three-tier architecture of the platform, and the Web browser is the final platform to integrate all information services. Full dynamic, distributed information release and processing, realize the e-government network information dynamic release and update by department and authority. Internal and external integration of the office platform, to achieve the definition of workflow, the real government online office, as well as the dynamic examination and approval results of the interactive function.

Diversified services. The service is aimed at government departments and government workers at all levels from the provincial government down to realize information exchange and information sharing among government departments, including government departments and offices of various functional departments as well as various departments and individuals in the whole society.

Personalized service. Services and management are provided on demand. Users in different roles have different rights, and the services they enjoy can be freely customized by users within their rights. Matrix permission management mode of functions, permissions, user groups and users can be realized. Different users have different system permissions.

Open cloud service platform. E-government network with the business system logical separation, independent operation, does not rely on and subject to other business system, for each system need it to provide the corresponding services, viscosity reducing technology, improve the stability, and is not affected by the change of the business system, secure e-government network become the province all levels of various departments work platform for the sustainable development of highly controlled can tube. Build the e-government application ecosystem with relatively independent process of each function module, closely connected data, organic combination of business, wired and wireless parallel, and build an intelligent, functional and open e-government network cloud platform.
Mobile applications. The progress and development of information technology and mobile communication technology have brought great changes and developments to mobile office. The e-government network of guizhou province can be bound to the user's mobile phone number, and the bound mobile phone can access the e-government network through the VPN secure encryption channel of the provincial information center.

2.3. Technology Highlights of Guizhou E-government Network

Information sharing and connectivity. Realize the information sharing and interconnection of all levels and departments in the province. Through the organization of access units in the province, display the portal of each unit according to different levels. Users according to the characteristics of the work of the unit portal, the office (branch) room portal, personal portal custom column Settings, show the unit's work characteristics; Through multiple ways of information release, realize the uploading and sharing of various documents and data such as pictures, texts and video; Through the integration of all kinds of data, it provides effective support for the construction of e-government big data.

Personalized business application block. According to users' rights and habits, customize the business system most closely related to their work. Through the customized design, the government affairs application entrance used by civil servants in daily life can be displayed in a centralized way to achieve the effect of assisting the office and improving the efficiency. Realize the function of personal space management, centralized display after personal work data mining and sorting, sign-in and sign-out.

Big data interface push. Provincial local authorities or units existing self-built office system, each system between maintenance will cost a lot of manpower and material resources, the self-built office system access to the portal system, which can realize the Internet system and the content of the colliding between e-government web portal system, namely the content of the Internet system can be pushed to the e-government web portal system, vice versa. Reduce user time required to maintain content and improve user productivity in both systems.

3. Guizhou E-government Network Application

As we know, has always been various departments at all levels in promoting informatization, to a certain extent to duplicate construction, each other each other, at all levels can't together, work hard to share problems, sum up, in typically embodied in the theory of "four difficult", namely, learning communication, collaborative office, scientific management, mobile office. Construction saves electron government affairs net, want to solve afore-mentioned problems step by step namely. Below, we are main around these four aspects to introduce the main functional characteristics of the provincial e-government network.

First of all, we will understand how e-government network is to solve the problem of "difficult to learn and communicate".

Information sharing is achieved by establishing four levels. Now we see is the first level of information sharing portal - provincial e-government network portal, all the staff login into the platform, the first thing to see is this page. The general portal mainly displays major activities of provincial party committees and governments, important news, speeches of leaders and other contents, and also sets up columns of government documents, macro-economy, social livelihood, supervision and supervision, target performance, government information and so on. Public servants in the whole province, regardless of level or region, can timely learn about the work deployment of the provincial party committee and the provincial government through the general portal. The setting of these column and the column of Internet portal website have very big different, basically work around government business, accomplish as far as possible little but essence.

In order to expand the learning scope of civil servants, we also cooperate with relevant units to build a column. Through cooperation with xinhua in guizhou branch, at the provincial e-government network to build the economic information channel column, provide the state council executive meeting report "xinhua daily news" "xinhua affairs" for information such as xinhua public opinion, to expand the study scope of civil servants, push them to relevant leaders and customized information.
Through the Internet gateway technology, we have also securely connected the central people's
government network, People's Daily network, xinhuanet and other mainstream Internet media, making
it easier for public officials in the province to timely grasp the major policies of the central
government and learn major policies and important news of current affairs.

The second level is the unit portal. All government departments at all levels have their own portals.
The original intention of building this portal is to show the construction and business work of various
units and organs through this portal. General office of the provincial government, for example,
combining with job responsibilities, we opened a major events, important speech, supervision work,
emergency management, document transceiver and other columns, update information, the province
users can see the general office of the provincial government authority regulations, work process,
activity planning, document template, the content such as the speech of a leader. At the same time, we
can also look at other organizations' portals to see how they work. For example, enter the government
portal of qiandongnan prefecture and see the job information they have posted. Let's look at the portal
of the provincial administration of industry and commerce. On the portal of the bureau, normative
documents related to industrial and commercial administration, leading activities, monthly analysis
reports of market entities in the province and other contents are released. For example, the county in
their own portal also set up "wu chuan characteristics" column, online broadcast wu chuan beautiful
scenery and customs video. In addition, we can also see the township, community portal, such as click
into the danzhaoxian town platoon unit portal, can also view the information released by the township.

Next is to solve the "difficult to collaborative office", emphasis on the document processing and
affairs to handle the document processing in the system, as an important application of the provincial
e-government network, this function implements the province document processing cross-regional,
cross-sectoral, across levels of barrier-free operation from receipt, office, please find, auditing,
leadership instructions, complaint, advise, archive the whole process online operation, be clear at a
glance, easy to track division, in terms of functional completeness, far beyond the previous OA
category, compared with the traditional office software, has a qualitative leap in every respect.

4. Summary
In the expert cloud evaluation activity organized and carried out by guizhou province in 2017, the total
score of e-government cloud was 93.19, ranking first among 47 clouds at the provincial level.
Specifically,

On the one hand, the e-government network of the province for the public servants of the province
within the administrative network of a basic pattern.

Through the application and promotion of the platform, the problems of data aggregation,
communication and use of government websites are effectively solved. Since last year, all provinces
(districts, cities) have come to study and investigate, and the mainstream media have reported that the
"guizhou model" has been widely recognized by the outside world.

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