



A STUDY ON CURRENT SITUATION AND TREND OF THE DEVELOPMENT OF BIG DATA IN GUANGXI

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Abstract

An information network covering the entire Guangxi was preliminarily constructed through Five Networks for a good start of the 14th Five-Year. From the achievement in the development of digital economy and the analysis of four work requirements in Guangxi, it is proposed in this study to promote deep integration of digital economy and real economy, establish high-quality “digital government”, construct international big data exchange centers and application areas of data fusion, innovate digital open development, and positively promote the construction of “Digital Silk Road” for realizing high-quality development of digital economy in Guangxi.

Keyword: digital economy, development suggestion

The General Situation in Guangxi

Guangxi Zhuang Autonomous Region, referred to Gui, with the capital Nanning City and 14 prefecture-level cities, is one of five ethnic minority autonomous regions in China and the sole coastal region. Located in the west of South China, with Beibu Gulf in the south, facing Southeast Asia, and next to Vietnam in the southwest,

it is the most convenient channel to put to sea in the southwest area and presents important status in the economic contact with Southeast Asia. Guangxi shows 50.12 million settled people (in 2020), the area 236.7 thousand square kilometer, the area gross product 221.8095 billion dollars (in 2020), and gross domestic product per capita 44249 dollars (in 2020).

Current Development Of Big Data In Guangxi

Guangxi started the Five Networks construction in 2020, including information network, which was defined as new infrastructure construction. The Five Networks construction, going through 3 years with total thousand billions of investment, improved the shortcomings of the new infrastructure construction in Guangxi. After more than a year construction, the development of big data currently presents certain performance.

Overall Coverage Of Infrastructure Construction

The entire Guangxi was basically covered with 4G network, more than 30 thousand 5G base stations were constructed, and basic continuous 5G network coverage in major downtown of 14 cities and 5G network coverage in key areas of counties and towns were realized. The provincial output frequency bandwidth of the Internet achieved 36.44 trillion and about 1.6 million Internet of Things users in Guangxi. 5G users exceeded 10 million households. It realized 100% administrative village and 95% sub-village (more than 20 households) with

optical fiber network. 42 data centers and up to 290 thousand standard racks (with the power 2.5kW) were constructed.

Rapid Development Of Digital Economy

There were more than 13 thousand enterprises with digital economy and 441 key demonstration projects (enterprises, platforms) led by digital Guangxi benchmark. The total digital economy of Guangxi in 2020 reached 72.67 billion dollars in 2020, which was about 32.8% of GDP.

Deepening Application Of Digital Government

Electronic government extranet vertically realized full coverage of Guangxi, city, county, township, and village. The sublime of Guangxi government cloud with “1+N+14” was formed, with non-secret-related business private network migration rate and migration rate of non-secret information systems in the whole district reaching 99% and business processing systems completed docking of government service items 95% in Guangxi. “One-day finish” of real estate registration and business startup was realized.

“Internet + government service” of “inter-provincial service”, “cross-city service”, and “universal handling across the cities” was deepened. Digital government integrated platform in Guangxi was established to have the online finish rate exceed 98% and “one visit at most” items achieve 99.52%.

Convenient Digital Living

The application of public service, such as “love Guangxi” APP, and “help Gui people”, was constructed to realize “handheld” for more than 283 thousand government service items and 421 convenient service applications. Total 42.12 million people in Guangxi were established the electronic health records, with the coverage rate up to 85%, to preliminarily realize cross-city health data share, and more than 300 medical care institutions opened telemedicine. The rapid development of rural e-commerce had total 54 counties be approved as national e-commerce entering comprehensive demonstration counties.

Problem In The Development Of Big Data In Guangxi

1. Big data were mostly applied to government; the application to enter-

prises to enhance industrial development was inadequate.

2. Global big data was not formed that there were still department barriers.

3. Digital development factors still showed shortcomings.

4. The digital cooperation with Association of Southeast Asian Nations was still at the startup stage.

Suggestions For The Development Of Big Data In Guangxi

Promoting the deep integration of digital economy and real economy To develop digital manufacturing chain, accelerate the cultivation and development of new technology, new model, and new business format, establish digitalization based new production relationship, and accelerate the formation of digital industrialization and industry digitalization, the specific measures contain the reinforcement of digital technology innovation, the acceleration of digital industrialization promotion, and the acceleration of industry digitalization promotion.

Establishing “Digital Government” With High Standard

To promote “Decentralization, Management, and Service” innovation, accelerate the government service model of “online service, full Guangxi service, cross-province service, and not closing”, consolidate basic support ability of digital government, enhance supervision standard of government digitalization, and promote standardized government service, the specific measures include the promotion of “digital government” service ability, the establishment of digital governmental affairs, and the reinforcement of digitalization supervision standards.

Establishing Nationally Influential International Big Data Exchange Centers And Application Areas Of Data Fusion

To establish the resource system of full Guangxi integrated big data, with data value as the direction, deepen the practice of data fusion application engineering, fully develop the multiplication of data factors, promote rural revitalization and industry enhancement, as well as explore the cross-border and cross-domain circulation transaction in Guangdong-Hong Kong-Macao Greater Bay Area, the surrounding provinces and cities, and nations in Association of Southeast Asian Nations, the specific measures cover

the construction of the factor market of Association of Southeast Asian Nations, the promotion of the standardized governance of government data, and the promotion of the application of factor resources.

Innovating Digital Open Development, Positively Promoting “Digital Silk Road” Construction

To actively integrate the regional strategy in Guangdong-Hong Kong-Macao Greater Bay Area, comprehensively promote New Land and Marine Routes for Western Regions, promote comprehensive digital cooperation among digital industry, digital trade, digital service, and digital facility, as well as support Guangxi to create the important node for domestic and international dual loops, the specific measures contain the construction of “Digital Silk Road” between China and Association of Southeast Asian Nations, the coordinated development of digital economy in Guangdong-Hong Kong-Macao Greater Bay Area, and the promotion of New Land and Marine Routes for Western Regions.

Reference

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