Regional Integration Development Strategy of Harbin-Changchun Group Based on the Belt and Road

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Abstract. During new historical situation, In China's northeast old industrial base economic and population growth slowly. In order to implement the HCG agglomeration development plan and speed up the regional integration development process. The paper puts forward the regional integration development based on information cloud Strategic model, strategic, tactical and strategic perspective. It aims to create a cross-sectoral, cross-regional, beyond the administrative region of inertia of the ecological chain development model, to build a low coupling, dynamic, Integrated and collaborative information cloud ecosystem. It has a robust and self-control organization, behavior and development model with a view of boosting the economy of Harbin, and exploring the theory. The method of regional integration development provides new ideas.

Introduction

Under the new normal, China's macro economy has been transferred to a structural slowdown track in accordance with the law in a suitable way. The belt and road is a medium and long-term strategy for China's foreign relations in the new era. HCG is located in the hinterland of Northeast Asia, taking Harbin and Changchun as the core cities, radiating the southwest of Heilongjiang province, central Jilin province and other cities, is an important channel and hub to connect Northeast Asia, Central Asia and Europe [1, 2]. It is also a new round of northeast old industrial base revitalization strategy important measures, as a heritage and innovation of the ancient Silk Road strategy, for narrowing the gap between the old industrial base in northeast China's regional development is of great significance. The open economy will expand to a wider range and deeper level. The ecological protection of the river basin has achieved positive results, the environmental quality has been continuously improved, and an ecological urban agglomeration with harmonious coexistence between man and nature has been initially built by 2030 [3].

Strategy of the HCG

Affected by the global economic environment, according to the National Bureau of statistics of China. Influenced by the global economic environment, the data from the National Bureau of Statistics of China show that the economy of the northeast region is suffering from the throes of transformation. The GDP growth rate of the old industrial base of the northeast region has continued to decline in recent five years in Heilongjiang (HLJ) and Jilin (JL) [4]. Its specific data are shown in Fig.1 (GDP unit: 100 million CNY, GDP growth rate: %).

Obviously, it can be seen that the growth rate of GDP in Heilongjiang and Jilin continued to decline from 2012 to 2015. Beginning in 2015, in response to the overall economic downturn in the Northeast, such as the economic downturn, population outflow and other economic downturn, relying on innovation-driven, accelerating the transformation and upgrading of traditional industries, relying on national development strategies, cultivating industries suitable for the new growth point in the
Northeast, transforming traditional industries, achieving industrial and urban transformation and development, research and construction development of HCG. From the GDP growth rate in 2016, although the effect of this system has been obvious, it still faces many problems, such as the inertia of administrative thinking, the same industrial structure and so on. It is also necessary to explore and innovate the regional economic integration development strategy based on the urban agglomeration. The state has given a clear strategic positioning, planning scope and development objectives for the development of the HCG [5].

Figure 1. Statistical charts of GDP and GDP growth rates in HLJ and JL provinces.

Suggested Model

Under the background of global economic integration and information network, the status and role of urban agglomerations in China will be further strengthened. Regional socio-economic integration is the inevitable law of the development of human civilization. The national urban agglomeration plan compiled by the national development and reform commission of China has decided to focus on 20 urban agglomerations in the future. They are 5 national city groups, 9 regional urban agglomerations and 6 regional urban agglomerations. Among them, the HCG is one of the 9 major regional urban agglomerations. Like the real economy. This is an ancient strategic. Today, we have the winning strategy of “Thousands of tricks, information first”. Under the grand strategy of the belt and road in China, how to plan the construction of HCG from tactics? How to carry out the strategy of dual core, one line and two economic belts in regional integration? This is a new historical moment concerning the economic development trend of the old industrial base. It is also a major topic and historical challenge facing China's 5000-year civilization.

Information System Based on Cloud Computing (ISCC)

With the progress of human science and technology, the global economic integration and information structure have taken shape, coupled with the rapid development of the Internet and mobile communication technology, the amount of information data has shown unprecedented explosive growth, various industries based on big data information cloud system emerged in endlessly, information service system gradually appeared, and presented. Out of the trend of development in the direction of online service from systematic vertical union, regional horizontal union and network, the innovative development of China's regional integration, including the more developed Yangtze river delta and Pearl river delta regions are exploring the horizontal alliance development system, all require the level of information integration to a new level. Facing the heterogeneous, unstructured and discrete nature of people, information technology and information resources in different regions, it is imminent to create and integrate a cloud information ecosystem oriented to regional integration, sustainable development and urban association [6]. ISCC can effectively reduce the comprehensive cost of information exchange, shorten the space-time distance, and enhance the timeliness of information exchange.
Regional Integration Development Strategy Reference Model

With the accelerated development of smart city construction process in all parts of China, some experts put forward the strategy of "one belt and road add one network". The network can represent the global network, represent the global economic network and the global social network. This reflects the irreplaceable nature of the information and the timeliness and commonality of information cloud. From strategy to tactics, regional integration based on cross-linkages of urban agglomerations is inseparable from information-based organizational guidance, market-oriented conventions, establishment of service systems, automatic leverage of capital, and self-disciplined and sustainable ecological governance model. In order to explore the role transfer development orientation from the initial "government guidance, market participation" to "market guidance, government participation", the regional integration strategy will eventually return to the market. For this reason, we put forward a reference model based on information cloud for intercity linkage and regional integration development in Fig.2. It takes the information cloud technology as the platform, establishes the benefit sharing, the risk sharing, the responsibility fulfilling, collaborative control and service in the HCG. Then establishes a "dual core, one axis and two belts" development pattern.

![Diagram of Regional Integration Development Strategy Reference Model](image)

Figure 2. Reference model of regional integration development strategy based on information cloud.

1) A regional alliance of government bodies (organizational guarantee)

The government alliance of regional integration is the supreme authority of the regional integration system. It has a city circle Committee and a regional integration city sub-office, which are organized as follows:

a) Establishment of regional integrated urban sub Office: mayors in charge of the coalition will take the lead in setting up sub-offices of regional integrated cities by mobilizing economic, financial, legal and industry experts from their respective administrative areas. The decision-making principles of democratic centralism under the mayor's responsibility system will be implemented and voting and decision-making powers will be exercised on behalf of the city.
b) Establishment of city circle Committee: under the leadership of Harbin Regional Integration Office, the provincial capital, the sub-office of Daqing-Qiqihar-Mudanjing set up the Harbin City Circle Committee for its members, and the sub-office of Jilin-Tumen set up the Changchun City Circle Committee for its members.

c) Establishment of a regional government coalition: initiated by the mayors of the two municipalities with Harbin and Changchun as the core, and jointly established by the Harbin City Circle Committee and the Changchun City Circle Committee, a regional government alliance is established to implement the decision-making mechanism of "league, Committee and office" with the mayors of the two municipalities as the core of leadership. The mayors and deputy mayors of the two municipalities take regular positions. Principles of rotation and accountability for performance of duties shall be exercised on behalf of the Alliance in exercising its corresponding powers and responsibilities and taking the lead in setting up regional integration committees in planning, construction, environment and other industries.

(2) Regional Integration Development Fund (financial guarantee)

Start-up and support funds are the catalyst for the growth of regional integration infrastructure, and the necessary guarantee to leverage and attract other foreign capital. The fund has the function of adjusting structure to promote development. According to the professional direction of the regional commission, it can be set up to include regional development planning fund, Regional Industrial Development Fund and regional environmental development fund.

a) Source of funds: it may come from the central government's financial appropriation, local government's financial appropriation, city alliance margin, enterprises, investment banks and foreign capital.

b) Supervise of funds: it may take a venture capital management model, entrusted with professional qualifications of third-party financial institutions or banks management.

c) Use of funds: It is suggested that priority should be given to the least developed cities, regional competitiveness should be enhanced, regional cooperation and employment should be promoted, the fund should be judged strictly according to the standard international project appraisal mechanism, and the regional integration system should be promoted by economic leverage through fund investment and policy promotion.

d) Reclaim funds: it is suggested that the management mode of financial capital should be innovated, and the fund should be put into the fund by similar ways such as equity participation and asset securitization, and the alternative mode of combining the paid and free use of funds of joint-stock companies should be used for reference to recover investment, so as to realize the dynamic and sustainable stability and balance of fund pool.

(3) A regional integrated information cloud platform (Platform foundation)

It is suggested that regional integrated information cloud platform should be based on cloud storage, big data processing and cloud computing, which is the core foundation of regional integration of HCG, the information hub of the integration strategy and the command center of cloud [7,8].

a) Regional Committees: macroscopically, the construction of urban agglomerations involves a variety of complex professional fields, such as politics, economy, culture, science and technology, and society. It can be professionally managed by professional people and professional teams in the field of their specialties.

b) Regional agreements: it is recommended that, under the auspices of the Regional Committees, relevant provisions such as cross-regional agreements, transfer of functions agreements and joint power agreements be formulated and submitted to the Alliance for approval or filing by weight.

c) Regional resource integration: it refers to a broad sense of resources, including not only hard resources such as transportation, network and energy, but also soft resources such as talent, industry and commerce.

d) Regional service integration: it is suggested to break the traditional trade barriers and administrative zoning, and realize the network, process and standardization of regional information services.
e) Regional benefit compatibility: it is to promote regional interest cooperation and participation, all parties should be able to obtain greater marginal benefits.

f) Integrated governance: it is the inevitable outcome of the game between cross-regional competition and cooperation, and promotes the balanced development of regional integration.

(4) Information sharing service system and interface (Shared services)

The system and interface are the external presentation of tactics and strategies in the practice of regional integration, the embodiment of process standardization achievement in the implementation of regional integration strategy, the ecological agent of regional government's function-oriented transition to service-oriented, and finally returning to the market, as well as the window and interface of information exchange at home and abroad. In practice, guided by the regional integration alliance, it will realize the circular and ecological development from ① to ⑩ in Fig.2, weaken the function of the alliance law and return to market-oriented guidance. The function of the alliance will be transformed into macro-market regulation and benign service.

Summary

Science and technology should be the first step in economic development. Science and technology are the primary productive forces, and regional integration strategy is the historical necessity to promote the integration of global economic and social development. The ecologically related development of urban agglomerations in China will promote and promote the recovery and growth of the global economy. In this paper, the cloud computing and cloud platform sharing methods of information technology, based on the organization of regional alliances, the support of regional integration development fund, combined with economic and management theory of regional balance, market coordination, competition game, ecological association, sharing services and other development theory, to build a region based on information cloud. The development strategy model of regional integration briefly describes the dynamic operation mechanism of the model from the aspects of strategy, tactics and strategy, in order to provide theoretical methods and practical ideas for exploring the construction model of regional integration.

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