

Shanghai's Regional Development Strategy and Regional Planning

Jingyuan Ke

School of Economics and Management, Shanghai Maritime University, Shanghai, China

Email: 2188411606@qq.com

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Abstract

This study conducts an in-depth analysis of Shanghai's regional development strategies and spatial layout as a macro-level topic. It aims to explore innovative approaches and implementation pathways for the long-term prosperity of Shanghai and the Yangtze River Delta urban cluster. By examining Shanghai's economic development pattern at the intersection of global economic integration and domestic economic restructuring, it reveals both the latent advantages and practical challenges the city faces amid the tide of the times. This study dissects the underlying mechanisms of Shanghai's regional development and outlines the overall framework and implementation methods for regional development strategies from unique perspectives such as the marine economy and shipping logistics. The exploratory process of Shanghai's regional planning highlights the critical value of tailoring approaches to local conditions, advocating for the deep integration of spatial layout with the actual needs of regional economic and social development to fully unlock the potential of regional endowments.

Keywords

Shanghai; Regional Development; Regional Planning; Marine Economy; Shipping and Logistics

1. Research Background and Objectives

Shanghai, a vibrant metropolis on China's fertile soil, converges multiple national roles-economic lifeline, financial hub, commercial center, shipping nexus, and innovation highland-while shouldering critical strategic missions of the era. Within the national strategic framework, its regional development blueprint and overall layout have progressively risen to the forefront of national agendas. Against the dual backdrop of global economic integration and domestic economic restructuring, Shanghai's regional development strategy and planning system hold profound significance and inherent complexity, making them a focal point of this study. This research aims to analyze how Shanghai leverages the opportunities presented by globalization and domestic economic transformation to accurately seize development opportunities and effectively manage potential risks, thereby achieving high-quality regional economic development.

As ecological conservation grows increasingly urgent and urban governance evolves toward precision, Shanghai's strategic focus prioritizes efficient land resource utilization and strict control over urban expansion. It strives to build a development model characterized by green, circular, and low-carbon principles. Simultaneously, Shanghai is exploring new approaches to megacity governance, leveraging the deepening reform and opening-up of Pudong New Area to continuously enhance its comprehensive strength and comparative advantages. This supports national strategic objectives while expanding its global influence.

The intrinsic mechanisms and practical models of Shanghai's regional development strategy are thoroughly elucidated, while its planning system and pathways for coordinated regional socio-economic development are systematically examined. All these efforts aim to fully unleash regional potential based on unique endowments to achieve optimal comprehensive benefits. Building upon the review of existing academic achievements, analysis of specific cases, and quantitative data comparisons, this exploration will bring new ideas and feasible approaches to the long-term development path of Shanghai and the Yangtze River Delta region, providing theoretical basis for policymakers and propelling Shanghai to become a model for international metropolitan development.

2. Current Status and Challenges of Shanghai's Regional Economy

2.1. Historical Evolution of Shanghai's Economic Development

Upon opening to foreign trade in the mid-19th century, Shanghai rapidly emerged as the commercial hub of the Far East, leveraging its inherent advantages of superior geographical location and open-mindedness. At that time, Shanghai Port flourished, attracting substantial capital and elites from both domestic and international sources. This established Shanghai as a solid hub in the global economic and financial spheres. From the late 19th to the early 20th century, Shanghai's industrial, commercial, and financial sectors experienced explosive growth, forming a composite economic system. This earned it the esteemed title of "Paris of the East." When the People's Republic of China was founded, Shanghai's economy gained unprecedented opportunities for rapid growth. Following the launch of reform and opening-up, Shanghai has consistently led the nation's reform wave with its pioneering spirit. In the early 1990s, the development and opening-up of Pudong ushered Shanghai into a new phase of sustained growth. Pudong's rise injected fresh momentum into Shanghai's development, leading the nation in financial innovation and industrial transformation. The establishment of the Pilot Free Trade Zone significantly elevated Shanghai's international standing as a hub for economic, financial, trade, shipping, and technological innovation. This not only infused vitality into Shanghai's own economic development but also spurred rapid growth across the entire Yangtze River Delta region.

Entering the new century, Shanghai has continuously advanced opening-up and

reform innovation while vigorously building an economic system aligned with contemporary development demands. Driven by technological innovation, Shanghai is accelerating the construction of a new industrial landscape centered on modern services, led by strategic emerging industries, and underpinned by advanced manufacturing. Guided by the blueprint of the Shanghai Master Plan (2017-2035), Shanghai is actively restructuring its urban spatial layout to achieve harmonious coexistence and sustainable development across economic, social, and environmental dimensions. While advancing institutional innovations within the pilot free trade zone, Shanghai has persistently sought new growth pathways and strived to enhance its comprehensive urban strength and unique competitive advantages.

2.2. Characteristics and Advantages of Shanghai's Regional Economy

Shanghai's economic landscape exhibits distinct characteristics, reflected in its diverse industrial composition and strong global competitiveness. As a global hub in economics, finance, commerce, shipping, and technological R&D, Shanghai possesses world-class port resources like the Port of Shanghai. This port, among the busiest in global container shipping, establishes a gateway connecting the world and serves as an indispensable hub in the international logistics system. The Port of Shanghai operates with high efficiency, not only meeting the foreign trade and logistics demands of Shanghai and the Yangtze River Delta region but also driving the development of marine industries, thereby generating significant economic benefits and global prestige for Shanghai.

As a vital component of the economic structure, Shanghai excels in financial services. The Lujiazui Financial Trade Zone shines like a brilliant jewel on China's financial landscape, attracting numerous global financial giants to establish operations here through its powerful influence, forming a complex network of capital connections. Shanghai's financial markets offer extensive services spanning stock trading, bond issuance, futures trading, insurance operations, and more. The development of the real economy receives diversified financial support from these markets, while the maturation of capital markets and innovations in the financial sector elevate Shanghai's standing within the global financial system.

Shanghai's economic boom is fueled by technological innovation. As a national hub for independent innovation, the Zhangjiang Hi-Tech Park clusters numerous tech innovators and R&D institutions, building industrial ecosystems in fields like integrated circuits, biopharmaceuticals, and artificial intelligence. Currently, Shanghai is vigorously establishing an innovation ecosystem. Through policy guidance, financial support, talent cultivation, and other measures, it ignites the engine of innovation, accelerating the transformation of R&D achievements into tangible productivity and injecting enduring momentum into the city's sustainable development.

Shanghai's regional economic competitiveness stems from the synergy of its unique geographical advantages and institutional safeguards. Positioned where the Yangtze River meets the sea, Shanghai serves as a pivotal node connecting domestic and international trade networks. Furthermore, national top-level designs-such as the Belt and Road Initiative and the development of the Yangtze River Economic Belt-have unlocked immense potential for Shanghai's growth. Shanghai has received special policy support, unlocking immense potential and limitless possibilities for its economic growth. Following the establishment of the Shanghai Free Trade Zone, the city gained a unique advantage in pioneering policy exploration, streamlining trade processes, opening up the financial sector, and significantly enhancing its competitiveness on the global stage.

3. Analysis of Shanghai's Regional Development Strategy

3.1. Basis for Formulating Shanghai's Regional Development Strategy

Shanghai's regional development strategy is shaped by its unique geographical position, rich historical heritage, and national strategic guidance. As China's economic hub, financial center, trade gateway, shipping hub, and innovation driver, Shanghai's development strategy fully integrates global economic trends and national policy directions while deeply incorporating local development needs and regional characteristics.

3.1.1. Geographic Position and National Strategy

Situated at the confluence of the Yangtze River and the East China Sea, Shanghai boasts a globally exemplary port system and serves as a pivotal node in international trade networks. This confers unique locational advantages, securing Shanghai's irreplaceable role in the Belt and Road Initiative and the Yangtze River Economic Belt strategy. The Shanghai Master Plan (2017-2035) explicitly states that Shanghai must actively align with national macro-level deployments, continuously advance institutional innovation within the Free Trade Pilot Zone, lead the nation in reform and opening-up, and strive to become a pioneer in developmental exploration. This plan highlights Shanghai's strategic position within the new dual-circulation economic system and defines its functional role in further expanding openness and promoting economic quality and efficiency.

3.1.2. Historical Legacy and Innovative Transformation

Shanghai, a city with profound historical roots, rapidly evolved into a major commercial hub in the Far East after its opening due to its inclusive spirit and broad-mindedness. Following the launch of reform and opening-up, Shanghai became a national leader in innovation and development through its pioneering spirit. The rise of Pudong and the establishment of the Free Trade Zone have cemented both the city's profound heritage and its commitment to innovation.

Amidst the dual waves of globalization and domestic economic restructuring, Shanghai is actively expanding its openness, exploring new growth pathways, and leveraging technological advancement to drive smart urban upgrades, thereby enhancing its comprehensive strength and unique advantages.

3.1.3. Internal Demands and External Challenges

Shanghai's regional development strategy comprehensively balances the city's internal drive for continuous progress with the challenges posed by shifting external conditions. Against the backdrop of rapid economic growth, Shanghai faces a sharp contradiction between population expansion and the limits of natural resource carrying capacity. Finding a path that sustains economic prosperity while ensuring efficient resource utilization, ecological harmony, and enhanced urban quality has become central to the city's development agenda. With intensifying international competition and the unknown risks of evolving global economic dynamics, Shanghai must proactively address the severe challenges posed by the external environment. This involves driving innovation within its industrial system, enhancing the momentum of modern service sector development, and accelerating the pace of technological innovation to comprehensively elevate its global competitive advantage.

3.1.4. Regional Coordination and Collaborative Development

A key pillar of Shanghai's development strategy is regional coordination and integrated linkage. As the core city within the Yangtze River Delta urban cluster, Shanghai must serve as a driving force, deepening collaborative efforts with surrounding cities to build an integrated metropolitan area and jointly create a world-class urban cluster with international competitiveness. Shanghai's urban development blueprint focuses on refining spatial patterns. By expanding green ecological land to stabilize agricultural production zones and improving urban functional systems, it aims to establish a networked architecture characterized by "one core leading, dual axes interacting, four wings supporting, multiple corridors connecting, multiple points radiating, and multi-layered integration." This approach seeks to promote balanced evolution across regional sectors, achieving synergistic improvements in economic-social benefits and ecological- environmental quality.

Shanghai possesses unique geographical advantages, profound historical heritage, intrinsic development demands, and external competitive pressures. After comprehensively considering the overall requirements for regional coordinated advancement, it has established its own development strategy. This strategy focuses not only on Shanghai's local development but also emphasizes its positioning and value within the national overall layout, driving the sustained and efficient progress of Shanghai, the Yangtze River Delta region, and the nation as a whole.

3.2. Implementation Pathways for Shanghai's Regional Development

Strategy

The implementation plan for Shanghai's regional development strategy is a crucial step in translating macro-level vision into practical measures. It encompasses multiple dimensions, including: - Driving economic transformation through technological innovation - Continuously enhancing people's well-being - Strengthening and maintaining ecological barriers - Promoting coordinated and balanced regional development - Enhancing the effectiveness of municipal governance

3.2.1. Economic Innovation-Driven Path to High-Quality Development

The core driver for Shanghai to build a new system of a high-level open economy lies in deepening reform and opening up. This involves advancing the development of the pilot free trade zone and exploring the establishment of a more liberal market access system to facilitate the liberalization and facilitation of trade and investment. Simultaneously, Shanghai will continuously enhance its capacity for science and technology innovation to build globally competitive industrial hubs. This will accelerate development in cutting-edge fields such as integrated circuits, biomedicine, and artificial intelligence, forming a new economic structure primarily driven by technology. This approach will strengthen the city's economic competitiveness and influence on the global stage.

3.2.2. Pathway for Continuous Improvement in Social Welfare

Shanghai will continuously optimize public welfare, improve social security mechanisms, and enhance the employment environment. Efforts will be made to ensure that residents' income growth broadly aligns with the pace of economic development. Concurrently, resource allocation for critical public welfare projects-including education, healthcare, and elderly care-will be strengthened to promote universal access to public services and foster social harmony. To enhance the city's capacity for handling sudden public crises, Shanghai is building a more comprehensive urban protection network to become a resilient modern metropolis, thereby safeguarding the stability and security of residents' daily lives.

3.2.3. Pathway for Ecological Conservation and Green Development

Shanghai is vigorously advancing green development by promoting eco-friendly buildings, expanding urban green spaces to create more livable environments, deepening ecosystem restoration efforts, and implementing stricter pollution control standards to optimize overall environmental conditions. Shanghai is actively participating in sponge city and low-carbon city demonstration projects. While driving the transformation of urban energy allocation, it is leading profound changes in production and consumption patterns within the energy sector. This approach aims to achieve the harmonious coexistence of sustainable economic and

social development with effective ecological and environmental protection.

3.2.4. Regional Coordination and Collaborative Development Pathway

Under Shanghai's leadership, the pace of coordinated economic development in the Yangtze River Delta region will accelerate, advancing regional economic integration to higher levels. Rational adjustments to urban spatial structures and the establishment of comprehensive transportation systems will significantly enhance inter-regional connectivity and accessibility. Furthermore, guided by Shanghai, the integration of public services across the Yangtze River Delta will deepen. The coordinated allocation of educational, medical, and cultural resources will enable shared progress and balanced development throughout the region.

3.2.5. Pathways for Refined Urban Management and Governance Capacity Enhancement

Shanghai must adopt modern technological tools such as big data analytics, cloud computing, and intelligent algorithms to advance urban management toward a more sophisticated smart model. Driven by the dual engines of the One-Stop Service Platform and the Integrated Management Platform, administrative services and urban governance can achieve agile operations. Concurrently, Shanghai must continuously refine its legal framework, innovate social management approaches, and establish a multi-stakeholder collaborative governance model. These efforts will enhance citizens' satisfaction, well-being, and sense of security.

Leveraging its unique strengths and existing foundations, Shanghai actively responds to national development priorities. By driving innovation to lead development, enhancing public welfare, improving ecological quality, deepening regional collaboration, and strengthening governance effectiveness, the city is charting a blueprint for an international megacity characterized by economic prosperity, social stability, and a livable ecological environment. This approach reflects Shanghai's meticulous planning for long-term development prospects and demonstrates its proactive alignment with global urbanization trends, establishing a framework for the outstanding development of Shanghai and the Yangtze River Delta region.

4. Integration of Shanghai's Regional Planning with Local Characteristics

4.1. Integration of Shanghai's Regional Planning with the Blue Economy

As a strategic national hub with pivotal significance in trade, economy, and shipping, Shanghai integrates regional layout with the blue economy. This convergence serves as a key pathway to enhance international influence and drive sustainable development. Leveraging its unique marine resource endowments and irreplaceable strategic position, Shanghai has opened vast prospects and gained robust growth

momentum in the marine economy. The Shanghai Master Plan (2017-2035) emphasizes fully leveraging marine resources, accelerating marine economic development, and deepening cooperation with neighboring regions in marine industries to establish an open development model featuring land-sea integration and seamless internal-external connectivity.

Marine industries encompass diverse sectors including fisheries, shipping, coastal tourism, engineering construction, and resource development. Shanghai possesses world-class port resources, with facilities like the Port of Shanghai ranking among the world's top container terminals, holding paramount importance in the marine industrial economy. Furthermore, advancements in marine engineering technology and the exploration and utilization of marine energy resources () have injected new economic momentum into Shanghai. Additionally, marine tourism-a new branch of the blue economy-has revitalized Shanghai's cultural and tourism sectors, significantly enhancing the city's international reputation and appeal.

4.2. Synergistic Development of Shanghai's Regional Planning and Shipping Logistics

As a global hub for shipping and logistics, Shanghai organically integrates regional layout with its shipping system, providing fundamental support for rapid urban economic growth and regional coordination. Guided by the Shanghai Master Plan (2017-2035), Shanghai aims to build an efficient, eco-friendly, and high-tech modern logistics network. This initiative not only solidifies its leading position as a global shipping hub but also lays a solid foundation for deep regional economic integration and long-term sustainable prosperity.

The foundation of Shanghai's economic ascent lies in its shipping and logistics network, which ensures the smooth flow of global trade and regional coordination. Located at the Yangtze River estuary, Shanghai Port ranks first globally in container throughput, serving as a critical hub in the international shipping network and an indispensable part of the global blue economy. As international economic integration accelerates, Shanghai Port's cargo handling capacity and operational efficiency continue to improve, enhancing its role in the world's supply chains and production networks. Shanghai is vigorously advancing the development of a multimodal transport system, integrating rail, road, water, and air transport channels to build an efficient and coordinated logistics network. This accelerates cargo turnover, enhances distribution efficiency, reduces logistics operational costs, and optimizes service quality, laying a solid logistics foundation for rapid regional economic growth.

The foundational support for Shanghai's regional layout and efficient maritime trade linkage stems from the modern restructuring of its logistics system and the strategic integration of port functions. Shanghai is fully committed to establishing itself as a globally leading logistics hub. Through continuous optimization of its

multi-dimensional transportation network-including seaports, airports, rail trunk lines, and expressways-it has created a modern logistics service network characterized by extensive coverage and high operational speed. The expansion of the Yangshan Deepwater Port and the introduction of automated handling facilities have significantly enhanced Shanghai Port's operational efficiency and technological capabilities, further solidifying its position as a global shipping hub. Following expansions and upgrades at both Hongqiao and Pudong airports, the efficiency of Shanghai's air cargo network has markedly improved, further cementing its strategic position as a global logistics powerhouse.

Shanghai's logistics sector is undergoing profound transformation through cutting-edge technology, with markedly optimized transport efficiency and strategic industrial restructuring. Platforms like the Zhangjiang National Independent Innovation Demonstration Zone are being leveraged to vigorously expand logistics technology innovation practices and promote widespread adoption, driving the logistics system toward informatization, digitization, and intelligent development. By utilizing big data analytics, cloud computing, and IoT sensing systems, the entire logistics process can be managed with full visibility. Intelligent algorithms dynamically optimize transport routes, significantly enhancing the precision and stability of distribution operations. Shanghai actively promotes the construction of a low-carbon logistics system to advance sustainable urban development. Concrete measures include popularizing clean energy transport vehicles and scientifically planning delivery routes. This effectively reduces greenhouse gas emissions in logistics operations, achieving the goal of harmonizing socioeconomic development with environmental protection.

5. Conclusions and Recommendations

Shanghai's regional economic landscape, strategic orientation, and planning practices are intrinsically linked to the coordinated development of its marine economy and shipping logistics, serving as a quintessential case study. These elements collectively form the foundation of this research, offering unique insights and practical approaches for exploring sustainable development pathways.

Driven by global economic integration and national industrial restructuring, Shanghai-a megacity converging capital, technology, logistics, and innovation-stands at a pivotal juncture in its historical development. It faces both unprecedented opportunities for advancement and formidable challenges posed by the tide of the times. With deepening reform and opening-up, continuous optimization of industrial layout, and significantly enhanced technological capabilities, Shanghai demonstrates robust economic vitality and exceptional global competitiveness. In formulating its development strategy, Shanghai prioritizes economic innovation and efficiency while committing to steadily improving public welfare, preserving and restoring ecosystems for sustainable growth, strengthening regional cooperation, optimizing

overall conditions, and advancing the modernization of its urban governance system. The close integration of marine industries and shipping systems grants Shanghai distinctive advantages in regional planning, fostering deep economic integration and long-term development.

Following a meticulous analysis of Shanghai's regional development strategy and spatial layout, this study proposes the following recommendations:

Expand the open pattern and stimulate innovative vitality. Reforms in the Shanghai Free Trade Zone must be continuously advanced, establishing more relaxed market access mechanisms and accelerating the pace of trade and investment liberalization and facilitation. The leading role of scientific and technological innovation needs to be further highlighted, forming globally influential industrial hubs and shaping a new economic structure driven by technological breakthroughs, thereby enhancing the competitiveness and influence of the regional economy on the world stage.

Industrial upgrading must be promoted and economic innovation led. Shanghai needs to promptly adjust its economic structure, drive innovation in traditional industries, and accelerate development in high-end services, cutting-edge technology, and intelligent manufacturing. This will ultimately achieve a diversified development pattern characterized by service-led growth, high-tech innovation as the engine, and advanced manufacturing as the foundation.

Building a Livable Metropolis and Fortifying Ecological Barriers. Shanghai must pursue an eco-friendly, resource-regenerative, and low-energy urban development path. This involves expanding green spaces, increasing forest coverage, purifying the atmosphere, and improving water resource efficiency to become a water-saving city-thus realizing the vision of significantly enhanced environmental quality.

Regional collaboration must be energized to achieve shared prosperity. To deepen coordinated development in the Yangtze River Delta region, Shanghai must serve as the core engine. Efforts should focus on integrating regional economic systems, restructuring urban spatial layouts, enhancing transportation hub networks, improving factor mobility efficiency, and advancing equitable public services. This will fulfill the strategic goal of achieving coordinated and balanced development across the entire region.

Urban management efficiency must be optimized and intelligent civilized systems established. By leveraging cutting-edge technologies like big data, cloud computing, and artificial intelligence, Shanghai can enhance the intelligence of its urban management. The "One-Stop Online Service" and "One-Network Integrated Management" systems ensure smooth and efficient administrative services and municipal operations. Strengthening legal safeguards will drive transformative changes in governance models, ultimately fostering a new paradigm of social governance characterized by multi-stakeholder participation and collaborative co-construction.

Shanghai's future vision extends beyond economic prosperity to encompass holistic

advancement in social progress, cultural flourishing, and ecological harmony. This research conclusion aims to provide theoretical foundations and actionable directions for the sustainable development of Shanghai and the Yangtze River Delta region. It seeks to propel Shanghai toward becoming a world-class urban model that fulfills people's aspirations for a better life. Furthermore, this international metropolis must consistently shoulder the historical mission entrusted by the nation. With a more open mindset and pioneering explorations, it will lead the regional economy toward higher levels of prosperity, thereby contributing to the great rejuvenation of the Chinese nation.

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