

Discussion on the New Trends of International Trade and Its Countermeasures in the Digital Era

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ABSTRACT

With the advent of the digital economy era, international trade is undergoing profound changes. This study analyzes in detail the new trends and challenges of international trade in the era of digital economy, including the wide application of digital technology, the new characteristics of data flow, and the reconstruction of digital trade rules. On this basis, the corresponding countermeasures and suggestions are put forward, aiming to promote the sustainable development of international trade in the era of digital economy.

KEYWORDS

Digital age; New trends of international trade; Countermeasures

1. INTRODUCTION

In the 21st century, the global economic system is undergoing an unprecedented digital transformation. The rapid development and popularization of digital technologies, such as big data, cloud computing and artificial intelligence, have not only changed the operation mode of traditional industries, but also gave birth to a new economic form—digital economy. With its unique advantages, its digital economy is becoming a new engine driving global economic growth. Especially in the field of international trade, the rise of digital economy has not only promoted the innovation of trade methods, promoted the rapid growth of digital trade, but also made the digital transformation of supply chain possible. However, with the deepening development of the digital economy, the challenges and problems related to it also gradually emerge, such as data security and privacy protection, the digital divide, and the lag of trade rules and regulation. These problems not only pose a threat to the healthy development of international trade, but also bring challenges to the steady growth of the global economy. The significance of this study lies in deeply exploring the new trends of international trade and its challenges in the era of digital economy, and revealing the deep impact of digital economy on international trade. Through the in-depth study of the relationship between digital economy and international trade, we can more accurately grasp the development trend of digital economy and predict the development direction of international trade in the future.

2. DIGITAL ECONOMY ERA AND DIGITAL TRADE

2.1. The Characteristics and Trends of the Digital Economy Era

The most remarkable feature of the era of digital economy is the wide application of data resources and the deep mining of their value. In this era, digital technologies such as big data, cloud computing and artificial intelligence have not only become the core driving force of economic development, but

also given birth to many emerging industries and business forms while reshaping the traditional economic structure and business model. Data has become a new factor of production, and its flow and application are driving the continued innovation and growth of the global economy.

On the trend, the digital economy will be more networked, intelligent and global. With the continuous breakthroughs and application of technologies such as the Internet of Things, 5G communication, edge computing and other technologies, the digital economy will achieve deeper connectivity and integration. The widespread application of intelligent technologies will greatly improve the efficiency of production and trade, and promote the high-quality growth of the global economy. The trend of globalization means that the digital economy will transcend national boundaries and promote trade cooperation and economic integration among countries.

2.2. Digital Trade

Digital trade refers to the trading activities of goods and services based on digital technology and through electronic means. It not only includes traditional e-commerce, online payment, but also involves emerging fields such as cross-border data flow, cloud computing services and digital content transactions. Digital trade covers a wide range of transactions ranging from physical goods to digital products and services.

The rise of digital trade has not only improved the efficiency and convenience of trade, but also injected new impetus into the growth of global trade. It breaks the limit of time and space, making it easier for buyers and sellers to find each other, and promoting the expansion of markets and the deepening of trade. At the same time, digital trade also provides enterprises with more market opportunities and space for business model innovation.

3. NEW DEVELOPMENTS IN INTERNATIONAL TRADE IN THE ERA OF DIGITAL ECONOMY

3.1. Innovation in Trade Mode

The era of digital economy has brought unprecedented opportunities and challenges to international trade, and promoted the innovation and reform of trade methods. Traditional trade methods, such as offline exhibitions, face-to-face negotiations, and physical store sales, are limited by geographical location, time costs and high intermediate link costs. With the continuous development of digital technology, the traditional trade mode is gradually replaced by the new and networked digital trade mode.

As one of the representatives of the new trade modes, the cross-border e-commerce enables the domestic and foreign consumers to trade directly through the e-commerce platform, which breaks the geographical boundaries, and greatly promotes the circulation of goods and services. Consumers can browse products from all over the world and enjoy a global shopping experience just through the online platform. The digital service platform provides a full range of digital services for international trade, such as online payment, logistics tracking, electronic contracts, etc., making the trade process more convenient and efficient. These new trade models not only reduce trade costs and improve trade efficiency, but also provide consumers with more personalized and diversified shopping choices.

3.2. Digital Trade Growth

With the popularization and application of digital technology, the proportion of digital trade in international trade is constantly rising, becoming a new engine to promote the global economic development. Digital products, such as software, electronic books, music, etc., have the advantages of low replication cost, fast transmission speed, and occupy a place in the global market. Digital

services, such as cloud computing, big data analysis, artificial intelligence consulting, etc., provide efficient and convenient solutions for enterprises, and promote the digital transformation of all walks of life.

In addition, traditional goods and services based on digital technology are also taking a growing share of international trade. The application of digital technologies such as intelligent manufacturing and intelligent logistics has greatly improved the production efficiency and circulation efficiency of traditional goods and services. The rapid growth of digital trade has not only injected new vitality into the global economic development, but also accelerated the pace of digital transformation of national economies, and promoted the optimization and upgrading of the international trade structure.

3.3. Digital Transformation of the Supply Chain

In the era of digital economy, the digital transformation of supply chain has become the key to enhance the competitiveness of international trade. Traditional supply chain management is limited by problems such as opaque information transparency and low collaborative efficiency, and it is difficult to cope with the rapidly changing market demand. Through the application of the Internet of Things, big data, artificial intelligence and other technologies, the supply chain has realized more efficient and intelligent management and operation.

The application of Internet of Things technology enables enterprises to track the location and state of goods in real time and realize the transparency of supply chain. Through big data analysis, enterprises can accurately predict market demand and supply chain risks, and make more reasonable production and logistics plans. The application of artificial intelligence technology in supply chain management, such as intelligent scheduling, intelligent storage, etc., further improves the operation efficiency of supply chain. The application of these digital technologies not only improves the transparency and synergistic efficiency of the supply chain, but also reduces the operating costs and risks, allowing enterprises to win the first opportunity in the international competition.

4. THE CHALLENGES FACING INTERNATIONAL TRADE IN THE ERA OF DIGITAL ECONOMY

4.1. Data Security and Privacy Protection

In the era of the digital economy, the problems of data security and privacy protection have become particularly prominent. With the wide application of big data, cloud computing, artificial intelligence and other technologies, data has become a new driving force for economic development. However, this also makes the data security and privacy face unprecedented challenges.

Firstly, the problem of data leakage and abuse is growing more seriously. Since international trade involves a large number of data transmission and exchange, once the data protection measures are not in place, it may lead to the illegal acquisition and use of sensitive information. This will not only harm the personal privacy of consumers, but also may affect business trade secrets and national security. In addition, with the frequent security incidents such as hacker attacks and internal leaks, the data security problem has become an important factor restricting the development of international trade.

Secondly, the management of cross-border data flows also faces challenges. Regulatory standards and approaches to data security vary between countries and regions, which make cross-border data flow complex and difficult. How to realize the free flow of cross-border data under the premise of ensuring data security has become a big problem for international trade in the era of digital economy.

Finally, the protection of personal data rights and interests is also a problem that cannot be ignored. In the era of digital economy, personal data has high commercial value, but it also involves the privacy

and personality. How to find a balance between commercial utilization and the protection of personal rights and interests, which not only protects the security and privacy of personal data, but also promotes the rational use and circulation of data, is an important subject for international trade in the era of digital economy.

4.2. Digital Divide Problem

The digital divide is another major challenge facing international trade in the era of digital economy. The digital divide not only reflects the differences between countries in technology, facilities and talent, but also reflects the imbalance and inequality in the development of the digital economy.

First of all, the digital divide leads to information asymmetry in international trade. Developing countries often struggle to fully participate in international trade activities due to backward digital infrastructure and lack of digital talents. This puts them at a disadvantage in global markets to share in the dividends of the digital economy.

In addition, the digital divide could exacerbate the imbalance in global economic development. Developed countries have obvious advantages in the digital economy, while developing countries are often in a passive position. This imbalance could further widen the gap between north and south and lead to an imbalance in the global economic structure.

Finally, the digital divide could also lead to international trade frictions and disputes. As the rules and standards in the field of the digital economy are not yet fully unified, the digital divide between countries may lead to an increase in trade barriers and frictions. This will not only affect the smooth progress of international trade, but also may adversely affect the stability and development of the global economy.

4.3. Trade Rules and Regulation Lag Behind

With the advent of the digital economy era, the traditional international trade rules and regulatory system have been difficult to adapt to the development needs of new trade models. This lag has brought new challenges and difficulties to international trade.

First, traditional trade rules are not adaptable to the digital economy. The existing international trade rules mainly focus on the trade of tangible goods, and there are relatively few norms for new forms of trade such as digital products and digital services. This makes the trade activities in the field of digital economy often lack of effective legal constraints and norms.

Secondly, the lag of the regulatory system leads to barriers to market access. Due to the characteristics of cross-border nature and anonymity, the traditional regulatory system is often difficult to effectively regulate the digital economy. This could lead to some non-compliant digital products and services to enter the market, causing losses and risks to consumers and businesses.

Finally, the lag of trade rules and regulation may also lead to trade disputes and conflicts. Differences in the interests and regulatory standards of the digital economy among countries may lead to increases in trade disputes and conflicts. This will not only affect the smooth progress of international trade, but also may adversely affect the stability and development of the global economy. Therefore, strengthening international cooperation and improving trade rules and regulatory system has become an important task of international trade in the era of digital economy.

5. DISCUSSION ON THE COUNTERMEASURES TO DEAL WITH THE NEW TRENDS OF INTERNATIONAL TRADE IN THE ERA OF DIGITAL ECONOMY

5.1. Strengthen International Cooperation and Rule-Making

Trade rules and regulation Lag In the era of digital economy, it is particularly important to strengthen international cooperation and rule-making. In order to form an open, inclusive and mutually beneficial digital trading system, countries need to work together to promote the development of digital trade rules and standards through multilateral and bilateral cooperation.

First, countries should actively participate in relevant discussions and negotiations in international organizations such as the World Trade Organization and the International Telecommunication Union to jointly discuss rules and standards for digital trade. This will not only ensure the fairness and universality of the rules, but also promote the free flow of digital goods and services and promote the sustainable development of global trade.

Second, countries should strengthen policy communication and coordination in the field of digital trade and jointly address the challenges brought by the digital economy. By sharing experience and exchanging information, countries can better understand each other's needs and concerns, so as to formulate rules and standards that are more realistic.

Finally, in order to make the rules more binding and enforceable, States should also strengthen cooperation in their legal systems. Bilateral or multilateral agreements should be signed to clarify the legal framework and dispute settlement mechanism for digital trade, so as to provide a solid legal guarantee for the healthy development of digital trade.

5.2. Promote the Development of Digital Infrastructure

Digital infrastructure is the cornerstone of the digital economy and digital trade, which is important for promoting the sustainable development of global trade. In order to accelerate the construction of digital infrastructure, countries need to increase investment and improve the level of digitalization.

First, countries should increase investment in research and development in the field of information technology, and promote the rapid development of the new generation of information technologies such as 5G, the Internet of Things and cloud computing. By improving the level and application ability of information technology, to provide a strong technical support for the construction of digital infrastructure.

Secondly, all countries should strengthen the layout and construction of information and communication networks, and improve the network coverage and quality. Especially in remote areas and rural areas, the construction of network infrastructure should be strengthened to eliminate the digital divide and realize the universal development of the digital economy.

Finally, in order to promote the widespread application and popularization of digital technology, countries should also strengthen the construction and operation of digital platforms. By optimizing the platform function and service quality, it will provide a good environment and conditions for the development of the digital economy. At the same time, international digital infrastructure connectivity should also be strengthened to promote the coordinated development of global digital infrastructure.

5.3. Improve the Data Security and Privacy Protection Level

In the era of digital economy, data security and privacy protection issues have become increasingly prominent. In order to protect the legitimate rights and interests of consumers and national security, countries should improve the level of data security and privacy protection.

First of all, countries should strengthen technology research and development and application to improve their data security protection capabilities. Through the use of advanced encryption technology, data desensitization technology and other means to ensure the security of data transmission, storage and use. At the same time, data security management and monitoring should also be strengthened to timely find and deal with potential security risks.

Secondly, countries should strengthen the construction of laws and regulations, and clarify the boundaries of data use and protection. Through the formulation and improvement of relevant laws and regulations, standardize the collection, use and dissemination of data, and protect consumers' privacy and right to know. At the same time, we should also increase the punishment of illegal acts, to maintain a good data security and privacy protection order.

Finally, in order to improve the level of data security and privacy protection, countries should also strengthen international cooperation and exchanges. By sharing experience and exchanging technologies, we can jointly address the challenges in data security and privacy protection. At the same time, cooperation with international organizations should be strengthened to promote the formulation of global data security and privacy protection standards and norms, so as to provide a solid guarantee for the healthy development of the digital economy.

6. SUMMARY

Under the tide of the digital economy era, international trade has shown unprecedented vitality and change. The continuous emergence of new trends, such as the wide application of digital technology, the acceleration of data flow and the reconstruction of digital trade rules, have brought new opportunities and challenges to international trade. In the face of this era, countries need to actively respond, strengthen international cooperation and exchanges, and jointly promote the healthy development of the digital economy. Looking into the future, international trade will pay more attention to the innovative application of digital technology, strengthen the construction of digital infrastructure, improve the level of data security and privacy protection, and strive to build an open, inclusive and mutually beneficial digital trade system. Under this trend, global trade is expected to achieve more prosperous and progressive development.

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