Translation

The following Chinese government plan calls for making data more plentiful and accessible in industries such as manufacturing, agriculture, transportation, finance, scientific research, and healthcare. The plan covers the years 2024-2026 and focuses on breaking down bureaucratic and other barriers to the flow of data. It also advocates using the resulting data to train large sector-specific AI models.

Title
Three-Year Action Plan for "Data Factor of Production ×"
“数据要素×”三年行动计划

Authors
National Data Administration (国家数据局), Office of the Central Cyberspace Affairs Commission (中央网信办; also known as the Cyberspace Administration of China [CAC; 国家网信办]), Ministry of Science and Technology (MOST; 科技部), Ministry of Industry and Information Technology (MIIT; 工业和信息化部), Ministry of Transport (交通运输部), Ministry of Agriculture and Rural Areas (农业农村部), Ministry of Commerce (MOFCOM; 商务部), Ministry of Culture and Tourism (文化和旅游部), National Health Commission (国家卫生健康委), Ministry of Emergency Management (应急管理部), People's Bank of China (PBOC; 中国人民银行), National Financial Regulatory Administration (金融监管总局), National Healthcare Security Administration (国家医保局), Chinese Academy of Sciences (CAS; 中国科学院), China Meteorological Administration (中国气象局), National Cultural Heritage Administration (国家文物局), National Administration of Traditional Chinese Medicine (国家中医药局)

Source
CAC website. The *Action Plan* is dated December 31, 2023 and was uploaded to the website on January 5, 2024.

The Chinese source text is available online at:
https://www.cac.gov.cn/2024-01/05/c_1706119078060945.htm
An archived version of the Chinese source text is available online at: https://perma.cc/UN89-V4AB
U.S. $1 ≈ 6.8 Chinese Yuan Renminbi (RMB), as of May 7, 2026.

Translation Date	**Translator**	**Editor**
May 7, 2026	Etcetera Language Group, Inc.	Ben Murphy, CSET Translation Manager

Three-Year Action Plan for "Data Factor of Production ×" (2024–2026)

Giving full play to the amplification, superposition, and multiplication effects of the data factor of production (数据要素) and building a digital economy in which data serve as a key factor of production are inevitable requirements for promoting

high-quality development. This *Action Plan* is formulated in order to thoroughly implement the spirit of the 20th Party Congress and the Central Economic Work Conference, implement the *Opinions of the CCP Central Committee and the State Council on Constructing a Basic System for Data and Putting Data Factors of Production to Better Use*,[1] fully unleash the multiplier effect of the data factor of production, and empower economic and social development.

I. Activating the Potential of the Data Factor of Production

As a new round of scientific and technological (S&T) revolution and industrial transformation deepens and develops, the value of data as a key factor of production (生产要素) has become increasingly prominent. Leveraging the characteristics of the data factor of production, such as increasing returns to scale and low-cost reuse, can optimize resource allocation, empower the real economy, develop new quality productive forces (新质生产力), and drive profound transformations in production and daily life, economic development, and social governance. This is of great significance for promoting high-quality development.

In recent years, China's digital economy has developed rapidly, the scale and capacity of digital infrastructure have risen markedly, and digital technologies and industrial systems have become increasingly mature, laying a solid foundation for better leveraging the role of the data factor of production. At the same time, problems remain, including insufficient data supply quality, impeded circulation mechanisms, and failure to unleash the potential for applications. Implementing the "Data Factor of Production ×" initiative is intended to leverage China's multiple advantages, such as its ultra-large-scale market, massive data resources, and abundant application scenarios, to promote coordination between the data factor of production and other factors such as labor and capital; to use data flows to lead technology flows, capital flows, talent flows, and material flows; to break through constraints imposed by traditional resource factors of production; and to raise total factor productivity. It will also promote the application of data across multiple scenarios and reuse by multiple entities, cultivate new products and services based on the data factor of production, realize knowledge diffusion and value multiplication, and open up new space for economic growth. In addition, it will accelerate the integration of diverse data and use the expansion of data scale and the enrichment of data types to drive innovation and upgrading of production tools, foster new industries and new models, and cultivate new dynamism (新动能) for

[1] Translator's note: CSET's English translation of the *Opinions of the CCP Central Committee and the State Council on Constructing a Basic System for Data and Putting Data Factors of Production to Better Use* is available online at: https://cset.georgetown.edu/publication/opinions-of-the-ccp-central-committee-and-the-state-council-on-constructing-a-basic-system-for-data-and-putting-data-factors-of-production-to-better-use/.

economic development.

II. Overall Requirements

(1) Guiding Ideology

Guided by Xi Jinping Thought on Socialism with Chinese Characteristics for a New Era, this *Action Plan* thoroughly implements the guiding principles of the 20th Party Congress; fully, accurately, and comprehensively applies the new concept of development (新发展理念); gives play to the foundational resource role and innovative engine role of data; and follows the laws of digital economy development. With promoting the high-level application of the data factor of production as the main thread, and with advancing the coordinated optimization of the data factor of production, efficiency gains through reuse, and integrated innovation as the focus, this *Action Plan* strengthens demand-driven scenario guidance, drives high-quality supply and compliant, efficient circulation of the data factor of production, cultivates new industries, new models, and new dynamism, and fully realizes the value of the data factor of production, thereby providing strong support for promoting high-quality development and advancing Chinese-style modernization.

(2) Basic Principles

Demand-driven, with emphasis on practical results. Focusing on key industries and fields, this *Action Plan* identifies typical application scenarios for the data factor of production, cultivates data providers, fosters a thriving data industry ecosystem, and incentivizes all types of entities to actively participate in the development and utilization of the data factor of production.

Pilot-led, with key breakthroughs. Pilot programs will be strengthened to explore diversified and sustainable pathways for unleashing the value of the data factor of production. Priority breakthroughs will be promoted in fields with abundant data resources, strong spillover effects, and broad prospects, so as to play a leading role.

Efficient markets and assertive government (有为政府). The role of market mechanisms will be fully leveraged, the mainstay status of enterprises will be strengthened, and effective allocation of data resources will be promoted. At the same time, the role of government will be better leveraged, public data resource supply will be expanded, fairness and justice will be safeguarded, and a favorable development environment will be created.

Openness and integration, with security and order. High-level opening up to the outside (对外开放) in the digital economy will be promoted, international exchanges and mutual learning will be strengthened, and the orderly cross-border flow of data

will be advanced. Security will be upheld throughout the entire process of data factor of production value creation and realization, and data security bottom lines will be strictly observed.

(3) Overall Objectives

By the end of 2026, we will substantially expand the breadth and depth of data factor of production application and make evident the multiplier effect of the data factor of production in the field of economic development. We will develop more than 300 typical application scenarios with strong demonstrative value, high visibility, and broad spillover effects; see the emergence of a number of demonstration regions with clearly effective data factor of production applications; and cultivate a group of data providers and third-party professional service institutions with strong innovative capabilities and sound growth potential. We will form a relatively complete data industry ecosystem, markedly improve the quality and efficiency of data products and services, and achieve an average annual growth rate of more than 20 percent in the data industry. We will promote the coordinated development of on-exchange and off-exchange trading, double the scale of data trades, and foster new business formats (新业态) driven by data factor of production value creation as new engines of economic growth. We will further strengthen the role of data in empowering economic quality improvement and efficiency enhancement, making the data factor of production an important driving force for high-quality development.

III. Key Initiatives

(4) Data Factor of Production × Industrial Manufacturing

We will innovate R&D models; support industrial manufacturing enterprises in integrating design, simulation, and experimental validation data; cultivate new data-driven product R&D models; and enhance enterprises' innovation capabilities. We will promote collaborative manufacturing; advance the construction of a standardized ecosystem for product master data; support production chain-leading enterprises (链主企业) in facilitating the flow of data across upstream and downstream segments of the supply chain, including design, planning, quality, and logistics data; and achieve agile and flexible collaborative manufacturing. We will enhance service capabilities; support enterprises in integrating design, production, and operations data; improve capabilities such as predictive maintenance and value-added services; and extend the value chain. We will strengthen regional linkages; support the circulation of capacity, procurement, inventory, and logistics data; enhance interregional coordination of manufacturing resources; promote complementary regional industrial advantages; and improve monitoring and early warning capabilities for production and supply chains. We will

develop enabling technologies; promote multi-scenario reuse of manufacturing data; support manufacturing enterprises joining together with software enterprises to actively explore multidimensional innovative applications based on data from design, simulation, experimentation, production, and operations; and develop new types of industrial software and equipment in areas such as generative design, virtual-physical integrated testing, and intelligent unmanned equipment.

(5) Data Factor of Production × Modern Agriculture

We will raise the level of digitalized and intelligentized (数智化) agricultural production; support agricultural production business entities and related service enterprises in integrating and utilizing data on remote sensing, meteorology, soil conditions, farming operations, disasters, crop pests and diseases, animal epidemics, and markets; accelerate the development of digitalized and intelligentized agricultural production scenarios supported by data and models; realize smart agricultural operating models such as precision planting, precision breeding, and precision fishing; and support more efficient production of grain and other important agricultural products. We will enhance agricultural product traceability and management capabilities; support third-party entities in aggregating and utilizing data on the origin, production, processing, and quality inspection of agricultural products; support agricultural product traceability management and precision marketing; and strengthen consumer trust. We will advance innovation in production chain data circulation; support third-party entities in providing services to agricultural production and business entities, such as smart planting and breeding, smart fishing, production-sales linking, epidemic prevention and control, market information, and cross-regional operations; facilitate the flow of data across production, sales, and processing; and provide one-stop services including procurement and supply chain finance. We will cultivate new models such as setting production based on demand (以需定产); support integrated analysis and application of agricultural data and commercial circulation data; encourage e-commerce platforms, agricultural product wholesale markets, superstores, and logistics enterprises to use sales data analysis to give feedback about agricultural product information to the agricultural product production, processing, and consumption links in the production chain; and enhance the matching of agricultural product supply-demand matching (供需匹配). We will enhance agricultural production resistance to risks; support the strengthened integration, analysis, dissemination, and application of data on production capacity, transportation, processing, trade, and consumption in fields such as grain, live hogs, and fruits and vegetables; strengthen agricultural monitoring and early warning; and provide support for responding to impacts such as natural disasters, epidemic transmission, and price fluctuations.

(6) Data Factor of Production × Commercial Circulation

We will expand new consumption;[2] encourage deep integration between e-commerce platforms, various commercial business entities, and related service enterprises; leverage market environment data such as customer flows, consumption behavior, transportation conditions, and cultural characteristics; build a closed-loop consumption ecosystem integrating data collection, analysis, decision-making, precision push notifications, and dynamic feedback; promote innovative development of business formats such as livestream e-commerce and instant e-commerce; support innovative application scenarios across various commercial districts; and cultivate digital lifestyle consumption models. We will foster new business formats; support e-commerce enterprises, national e-commerce demonstration bases, and traditional commercial circulation enterprises in strengthening data integration; integrate data on order demand, logistics, production capacity, and supply chains; optimize allocation of production chain resources; and build an industry-wide collaborative innovation ecosystem capable of rapid market response. We will build new brands; support e-commerce enterprises and commercial enterprises in leveraging data such as order volume, order types, and population distribution; proactively link up with manufacturing enterprises and industrial clusters; strengthen production-sales linking and precision push notifications; and support the development of distinctive brands. We will advance internationalization; encourage e-commerce enterprises, modern circulation enterprises, and leading digital trade enterprises to integrate transaction, logistics, and payment data, provided that it meets security compliance requirements; and support enhanced capabilities in comprehensive supply chain services, cross-border identity authentication, and global supply chain financing.

(7) Data Factor of Production × Transportation

We will enhance the efficiency of intermodal transport; advance the sharing and mutual recognition of freight and delivery data, waybill data, settlement data, insurance data, and freight tracking data; and realize one-time consignment by shippers, one-time cost settlement, one-time cargo insurance, and end-to-end responsibility by intermodal transport operators. We will make shipping trade easier; promote the trusted integrated application of shipping trade data with electronic invoice verification, business entity identity verification, and customs declaration and inspection status data; and accelerate the adoption of business applications such as electronic bills of lading, letters of credit, and electronic cargo release. We will enhance shipping service capabilities; support the integration of marine geospatial data, satellite remote sensing data, positioning and navigation data, and meteorological data with data on vessel positions, bodies of water, sailing speeds, and loading and

[2] Translator's note: The Chinese term "new consumption" (新消费) refers to consumer spending driven by information technology such as smartphones, e-commerce, and social media platforms.

unloading operations; and innovate applications such as collision prevention between commercial vessels and fishing vessels, shipping route planning, and intelligent port security inspection. We will mine data for reuse value; integrate key vehicle data from sectors such as "the two types of passenger transport and one type of hazardous transport"[3] and online freight platforms; build high-quality dynamic datasets covering vehicle operating behavior and accident statistics; and provide data support for differentiated credit services, insurance services, and secondhand vehicle consumption. We will support leading transportation enterprises in advancing the building and reuse of high-quality datasets; strengthen the application of artificial intelligence (AI) tools; and help enterprises improve transportation efficiency. We will promote innovative development of intelligent connected vehicles; support pilot programs for the commercial trial operation of self-driving cars in specific areas and during specific periods; remove data barriers among automobile manufacturers, third-party platforms, transportation enterprises, and other entities; promote integrated application of multi-source data such as road infrastructure data, traffic flow data, and driving behavior data; and enhance capabilities for innovative intelligent vehicle services and proactive safety risk prevention and control.

(8) Data Factor of Production × Financial Services

We will raise the level of financial services; support financial institutions in integrating and utilizing data on S&T, environmental protection, industry and commerce, taxation, meteorology, consumption, healthcare, social security, agriculture and rural areas, and water, electricity, and gas; strengthen entity identification; optimize credit business management and insurance product design as well as underwriting and claims services in accordance with laws and regulations; and enhance financial services for the real economy. We will enhance the resilience of the financial system; advance the development of digital finance; promote the sharing, joint use, and efficient circulation of financial credit data with public credit data and commercial credit data under the premise of lawful, secure, and compliant practices; support the sharing of risk-control-related data among financial institutions; integrate and analyze multidimensional data such as financial markets, credit assets, and risk verification; give play to the driving role of financial technology and the data factor of production; support improvements in financial institutions' anti-fraud and anti-money laundering capabilities; and improve risk early warning and prevention capacity.

(9) Data Factor of Production × S&T Innovation

[3] Translator's note: The "two types of passenger transport and one type of hazardous transport" (“两客一危”) refer to chartered tour buses, regularly scheduled public buses, and trucks transporting hazardous materials such as volatile chemicals and explosives.

We will promote the orderly opening up and sharing of scientific data; advance interconnection and interoperability among various types of scientific data generated by major S&T infrastructure and major S&T projects; support and cultivate the construction of scientific databases with international influence; and strengthen the development of high-quality scientific data resources and their application across scenarios relying on platforms such as National Science Data Centers (国家科学数据中心). We will leverage scientific data to support cutting-edge research; provide high-quality scientific data resources and knowledge services for basic disciplines; and drive scientific innovation and discovery. We will use scientific data to support technological innovation; focus on fields such as biological breeding, new materials development, and pharmaceutical R&D; and accelerate technological innovation and industrial upgrading through the integration of digitalized and intelligentized approaches. We will use scientific data to support large model development; deeply mine various types of scientific data and S&T literature; construct a foundational layer of scientific knowledge resources through fine-grained knowledge extraction and multi-source knowledge integration; build high-quality corpora and basic scientific datasets; and support the development and training of large AI models. We will explore new paradigms for scientific research; fully leverage various databases and knowledge bases; advance cross-disciplinary and cross-field collaborative innovation; discover new laws of nature and create new knowledge through data-driven approaches; and accelerate the paradigm shift in scientific research.

(10) Data Factor of Production × Culture and Tourism

We will cultivate new cultural and creative products; promote the lawful opening up, sharing, and transaction-based circulation of data resources related to cultural relics, ancient books, fine arts, traditional opera genres, intangible cultural heritage, and ethnic minority and folk arts; support business entities in fields such as cultural creativity, tourism, and exhibitions in strengthening data development and utilization; and foster products and brands with distinctive Chinese cultural characteristics. We will mine the value of cultural data; connect data centers across various cultural institutions; link them to form a Chinese culture database; and encourage the development of cultural large models through market-based mechanisms. We will enhance the level of protection and utilization of cultural relics; promote the integrated sharing of data on cultural relic deterioration, conservation and restoration, security supervision, and cultural relic circulation; and support the realization of functions including conservation and restoration, monitoring and early warning, precision management, emergency response, and interpretation and dissemination. We will enhance the level of tourism services; support tourism business entities (经营主体) in sharing data such as meteorological and transportation data; build visitor profiles and

city profiles provided this is done in a legal and compliant manner; and optimize tourism supporting services and one-stop travel services. We will enhance tourism governance capacity; support cultural and tourism venues in sharing data such as public security, transportation, meteorology, and credential (证照) data; and support applications such as "credential-free" (免证) ticket purchasing, monitoring and early warning for gatherings of throngs of people, and emergency rescue.

(11) Data Factor of Production × Healthcare

We make it easier for the masses to receive medical treatment; explore the advancement of electronic medical record data sharing; and promote unified standards, sharing, and mutual recognition of examination and test result data among medical institutions. We will facilitate medical insurance claims and settlement; and support medical institutions in providing medical services before payment is made (先诊疗后付费) based on credit data. We will promote medical insurance services that are easy for people to use. In accordance with laws and regulations, we will explore the advancement of the integrated application of data from basic medical insurance and commercial health insurance; enhance insurance service quality; and promote coordinated development between basic medical insurance and commercial health insurance. We will unleash the value of health and medical data in an orderly manner; improve personal health data records; integrate data from physical examinations, clinical visits, and disease control; and innovate data-driven public service models such as occupational disease monitoring and public health incident early warning. We will strengthen innovation in medical data integration; support public medical institutions in sharing data with business entities in fields such as finance and elder care provided this is done in a legal and compliant manner; support the precise design of service products such as commercial insurance products and recuperation and convalescence services; and expand new models and new business formats for data applications such as smart healthcare and intelligent health management. We will raise the development level of traditional Chinese medicine (TCM); strengthen multi-source data integration across the full process of TCM health services including prevention, treatment, and rehabilitation; support systematic analysis of TCM efficacy, drug interactions, indications, and safety; and advance the high-quality development of TCM.

(12) Data Factor of Production × Emergency Management

We will enhance capabilities for production safety supervision; explore the use of data from electric power, communications, remote sensing, and firefighting; and achieve precise supervision of illegal private mining and covert resumption of operations in high-risk industries as well as intelligent monitoring of urban fires. We

will encourage social insurance enterprises to study and establish assessment models for work safety liability insurance, focusing on high-risk industries such as mining and hazardous chemicals; develop new types of insurance products; and improve the accuracy and scientificness (科学性) of risk assessment. We will enhance capabilities for monitoring and assessing natural disasters; use public data such as communications tower, electric power, and meteorological data; develop monitoring and assessment models for natural disaster conditions; and strengthen precision early warning and assessment of disaster risks. We will strengthen the integrated analysis of monitoring data on seismic activity, crustal deformation, and subsurface fluids; and enhance capabilities for earthquake prediction and early warning. We will enhance emergency coordination and data-sharing capabilities; promote cross-regional sharing and joint use of data on disasters and accidents, materials and equipment, personnel engaged in special operations, and safe production licenses and operation permits; and improve the efficiency of coordinated supervision, law enforcement, and emergency response and rescue operations.

(13) Data Factor of Production × Meteorological Services

We will reduce the impacts of extreme weather and climate events; support the integrated application of data such as economic and social development data, ecological and environmental protection data, natural resource data, and agriculture and rural area data with meteorological data; establish new intelligent decision-making models integrating climate change risk identification, risk assessment, risk early warning, and risk transfer; and prevent and mitigate climate risks affecting key industries and sectors. We will support the deep integration of meteorological data with data related to urban planning and major construction projects; prevent and mitigate the impacts of extreme weather and adverse meteorological conditions on planning and engineering projects at the source. We will innovate meteorological data products and services; support financial enterprises in integrating and applying meteorological data; develop new products such as weather index insurance, weather derivatives, and climate-related investment and financing products; and provide support for sectors such as insurance and futures. We will support new energy enterprises in reducing costs and improving efficiency; support wind power and solar power enterprises in integrating and applying meteorological data; and optimize site selection and layout, equipment operations and maintenance, and energy scheduling.

(14) Data Factor of Production × Urban Governance

We will optimize urban management approaches; promote the intermingled circulation of multidimensional urban data relating to people, land, events, objects, conditions, and organizations; support scenario-based applications across fields such

as public health, traffic management, public security, ecological and environmental protection, grassroots governance, and sports events; and achieve real-time situational awareness, intelligent risk assessment, and timely coordinated response. We will support scientific decision-making for urban development; support the use of data such as urban spatiotemporal foundations (时空基础), resource surveys, planning and regulatory control, engineering and construction projects, and Internet of Things sensing; and promote greater refinement (精细化) and intelligentization (智能化) in strategies for urban planning, construction, management, and services. We will advance the universal accessibility of public services; deepen the sharing and application of public data; and further promote the provision of services such as employment, social security, health, healthcare, medical, social assistance, elder care, disability, and childcare services through "mobile access," "online access," and "nearby access." We will strengthen regional collaborative governance; promote data circulation and business coordination across urban agglomerations; and enable cross-city handling of service matters such as business entity registration, out-of-area medical expense settlement, and portability of pension insurance.

(15) Data Factor of Production × Green and Low-Carbon Development

We will enhance the level of refinement in ecological and environmental governance; advance the integrated application of data from meteorology, water resources, transportation, and electric power; and support applications such as coupled meteorological and hydrological forecasting, disaster impact analysis, monitoring of the water level of rivers and lakes, emergency response to sudden water-related incidents, responses to severe air pollution events, and refined management (精细化管理) of the urban water environment. We will strengthen innovation in the integration of ecological and environmental public data; support enterprises in integrating and applying their own data together with ecological and environmental public data; optimize environmental risk assessment; and support the design of environmental pollution liability insurance and the provision of green credit services. We will improve energy utilization efficiency; promote innovation in the integration of manufacturing and energy data; encourage energy enterprises and high energy-consuming enterprises to circulate data on orders, production scheduling, and electricity consumption; and support applications such as energy consumption forecasting, multi-energy complementarity, and tiered pricing (梯度定价). We will improve the efficiency of waste resource utilization; aggregate data across all stages of solid waste collection, transfer, utilization, and disposal; promote efficient linkages among waste generation, transportation, and waste valorization and resource recovery (资源化利用); and advance the waste valorization and resource recovery of solid waste and hazardous waste. We will enhance carbon emissions management capabilities;

support the circulation of carbon emissions data covering materials, supplementary materials (辅料), and energy across the total production life cycle of key products, as well as industry carbon footprint data; carry out product carbon footprint measurement and evaluation; and guide enterprises to conserve energy and reduce carbon emissions.

IV. Strengthening Assurance and Support

(16) Improve Data Supply Capacity

We will improve the data resource system; promote the development of industry-wide shared data repositories (数据资源库) by research institutions, leading enterprises, and other entities in fields such as scientific research, culture, and transportation; and build high-quality training datasets for large AI models. We will expand the supply of public data resources; organize the authorized operation of public data in key fields and relevant regions; and explore public data authorization mechanisms coordinated between central ministries and provincial governments. We will guide enterprises to open up data; encourage market forces to mine the value of commercial data; and support innovative applications based on the integrated use of social data. We will improve the standards system; strengthen the construction of standards for data collection and management; and coordinate efforts to advance the formulation of industry standards. We will strengthen supply-side incentives; formulate and improve rules for protecting the rights and interests of relevant entities across different stages such as data content collection, processing, circulation, and application; and promote the reasonable use of personal information provided that personal privacy is protected.

(17) Optimize the Data Circulation Environment

We will improve the efficiency of data trading and circulation; support enterprises within the industry in jointly formulating rules and standards for data circulation; focus on business needs to promote compliant data circulation; and enhance the efficiency of data application among multiple entities. We will encourage trading venues to strengthen compliance management, innovate service models, create service ecosystems, and improve service quality. We will build a secure and trustworthy data circulation environment; deepen the application of technologies such as data spaces, privacy-preserving computing, federated learning, blockchain, and data sandboxes; explore the construction of data circulation platforms for key industries and fields; enhance the trustworthiness, controllability, and measurability of data utilization; and promote compliant and efficient data circulation and use. We will cultivate data circulation service entities; encourage local governments to adapt measures to local conditions and, through approaches such as establishing new parks or expanding the

functions of existing parks, build data-focused industrial parks and virtual parks; and promote the coordinated development of data providers (数据商) and third-party professional service institutions. We will improve support measures for cultivating data providers. We will promote the orderly cross-border flow of data; benchmark against high-standard international economic and trade rules; continuously optimize regulatory measures for cross-border data flows; and support free trade pilot zones in carrying out exploratory initiatives.

(18) Strengthen Data Security Assurance

We will implement data security laws and regulations; improve the system for categorized and graded (分类分级) data protection; implement systems such as the ranked cybersecurity protection system[4] and critical information infrastructure security protection; strengthen the protection of personal information; and enhance overall data security assurance capacity. We will enrich data security products; develop refined and specialized data security products oriented toward key industries and fields; develop solutions and toolkits suitable for small and medium-sized enterprises; and support the development of customized and lightweight personal data security protection products. We will cultivate data security services, encourage data security enterprises to provide cloud-based security services, and effectively raise the level of data security.

V. Organizational Implementation

(19) Strengthen Organizational Leadership

We will give full play to the systemic role of the Inter-Ministerial Joint Conference for the Development of the Digital Economy; strengthen follow-up on key tasks and implementation of responsibilities; and coordinate and advance cross-departmental collaboration. Main oversight departments (主管部门) for industry must focus on the needs of data development and utilization in key industries; and refine and implement concrete measures of this *Action Plan*. Local data management departments must study and formulate implementation plans in coordination with the relevant

[4] Translator's note: China's "ranked cybersecurity protection system" (网络安全等级保护制度) divides cybersecurity threats, and the corresponding degree of cyber defense needed against these attacks, into five ranks or levels. Rank 1 attacks, if successful, harm the rights and interests of individuals and organizations, but do not threaten national security, social order, or the public interest. Successful rank 2 attacks cause severe or exceptionally severe harm to the rights and interests of individuals and organizations, or threaten social order and the public interest, but do not threaten national security. Successful rank 3 attacks severely threaten social order and the public interest, or threaten national security. Successful rank 4 attacks threaten social order and the public interest to an exceptionally severe degree, or severely threaten national security. Successful rank 5 attacks threaten national security to an exceptionally severe degree.

departments; adapt measures to local conditions to develop data factor of production application practices that align with local realities; drive the cultivation of a group of data providers and third-party professional service institutions; and foster a sound ecosystem.

(20) Carry Out Pilot Programs

We will support coordinated policy pilots jointly conducted by ministries and localities; focus on key industries and fields; integrate scenario-based requirements; study concrete implementation measures for the separation of rights such as data resource ownership, data processing and usage rights, and data product operational rights; and explore models for data circulation and trading. We will encourage all localities to explore boldly and move ahead with pilot initiatives; strengthen innovation of various approaches, and promptly summarize practical experience that can be replicated and popularized. We will promote enterprises' accounting processing of data resources in accordance with the system of unified national accounting standards.

(21) Promote Application Through Competition

We will organize "data factor of production ×" competitions; focus on key industries and fields to build specialized competition platforms; strengthen the supply of data resources; encourage all sectors of society to jointly discover market demand; and enhance data utilization capabilities. We will support enterprises of all types in participating in the competitions; strengthen the conversion of competition achievements into practical applications; incubate new technologies and new products; cultivate new approaches and new business formats; and improve the data factor of production ecosystem.

(22) Strengthen Funding Support

We will implement "Data Factor of Production ×" pilot programs; and coordinate the use of central government budgetary investment and other funding sources to increase support. We will encourage financial institutions to expand credit support in accordance with market-based principles and optimize financial services. We will explore diversified investment and financing models in a lawful and compliant manner; give play to the role of relevant guidance funds and industrial funds; and channel and encourage various forms of social capital[5] to invest in the data industry. We will

[5] Translator's note: The Chinese term 社会资本, translated literally as "social capital," refers to any source of funding outside of government budget outlays. This term encompasses investment by private individuals and private institutions. However, investment from state-funded entities such as state-owned enterprises (SOEs), including state-run banks, also falls under the umbrella of "social capital."

support data providers in pursuing financing through public listings.

(23) Strengthen Propaganda and Promotion

We will carry out the selection of exemplary cases of data factor of production application, and identify a group of representative applications. We will actively release these cases through platforms such as the Digital China Summit and various data factor-of-production-related conferences, forums, and activities, and promote experience sharing, exchange, and cooperation. Local data management departments must deeply mine effective experiences and good practices in data factor of production application; make full use of various news media outlets; increase propaganda efforts; and enhance influence.