



山东省宏观经济研究院  
Shandong Academy of Macroeconomic Research



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## 中巴合作China Brazil Cooperation



1974年8月建交以来，中巴两国始终相互尊重、平等相待、合作共赢，两国关系持续稳定向前发展。1993年，巴西成为首个同中国建立战略伙伴关系的发展中大国；2012年，两国关系提升为全面战略伙伴关系。2023年4月，巴西总统卢拉对中国进行国事访问，中巴双方发表了关于深化全面战略伙伴关系的联合声明。习近平主席和卢拉总统达成的一系列共识成为开辟新时代中巴关系新未来的重要指引。

Since the establishment of diplomatic relations in August 1974, China and Brazil have always respected each other, treated each other equally, and cooperated for mutual benefit. The relationship between the two countries has continued to develop steadily. In 1993, Brazil became the first developing country to establish a strategic partnership with China; In 2012, the relationship between the two countries was upgraded to a comprehensive strategic partnership. In April 2023, Brazilian President Lula paid a state visit to China, and both China and Brazil issued a joint statement on deepening the comprehensive strategic partnership. The series of consensus reached by Chairman Xi Jinping and President Lula has become an important guide for opening up a new era and future of China Pakistan relations.



# 中巴合作China Brazil Cooperation

2023年4月，山东省宏观经济研究院与巴伊亚经济社会监管研究院SEI签署了合作谅解备忘录，主要内容涉及经济文化交流与合作、物流和基础设施建设、价值链与产业链的整合、智慧城市建设、环境保护和发展可再生能源等方面。

In April 2023, Shandong Institute of Macroeconomics and The Superintendence Of Economic And Social Studies Of Bahia (SEI) signed a memorandum of understanding on cooperation, which mainly involves economic and cultural exchanges and cooperation, logistics and infrastructure construction, integration of value chain and industrial chain, smart city construction, environmental protection, and development of renewable energy.





## 山东省概况 Overview of Shandong Province



山东省“一群两心三圈”空间布局图

The spatial layout of “One City Cluster, Two Centers and Three Circles” in Shandong Province

山东地处中国东部沿海，是人口大省、文化大省、资源大省、经济大省，总面积15.79万km<sup>2</sup>，常住人口10123万人，2023年国内生产总值9.21万亿元，是中国重要的工业基地和北方地区经济发展的战略支点，承载着国家赋予的建设绿色低碳高质量发展先行区的光荣使命，山东海纳百川、兼容并蓄的基因，造就了“好客山东 好品山东”的开放特质。近年来，山东锚定“走在前、开新局”，主动担起沿海大省责任，不断拓展对外开放合作空间，深入融入共建“一带一路”，高质量发展和现代化强省建设迈出坚实步伐。

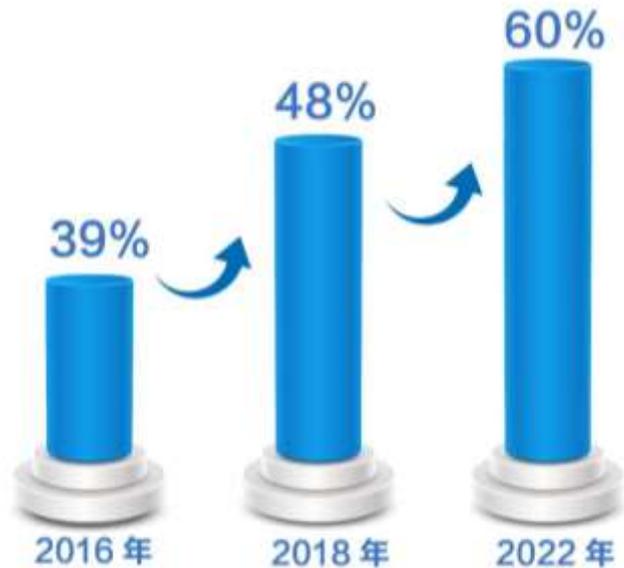
Shandong Province is located on the eastern coast of China, with a large population, diverse cultures, abundant resources and developed economy. Shandong Province has a land area of 157,900km<sup>2</sup>, a resident population of 101.23 million and 2023 GDP of 9.21 trillion yuan. Shandong Province is an important industrial base in China and a strategic pivot for economic development in the northern region, and carries the honorable mission of building a green, low-carbon and high-quality development pilot zone entrusted by the state. Shandong's genes of openness and win-win cooperation have given rise to the openness of “Friendly Shandong, Remarkable Shandong”. In recent years, Shandong has anchored the goal of “Taking the Lead and Opening up New Prospects”, taken the initiative to assume the responsibility of a large coastal province, continuously expanding the space for opening up to the outside world and deepening its integration into the construction of “The Belt and Road”, and has made solid strides in the construction of a high-quality development and modernized province.



## 经济实现量质齐升 The economy has been upgraded in quantity and quality

山东地区生产总值近三年年均增长6%以上，去年达到9.2万亿元，万亿级城市达到3个；高新技术产业产值占比超51%、同比提升超3个百分点，经营主体达到1474万家；数字经济增加值达到4.3万亿元，占GDP比重的47%；黄河重大国家战略深入实施，济南、青岛都市圈获批建设。

In the past three years, Shandong's regional GDP has grown at an average annual rate of more than 6%, reaching 9.2 trillion yuan last year, and there are three trillion-level cities. The output value of high-tech industries accounted for more than 51%, an increase of more than 3 percentage points year-on-year, and the number of business entities reached 14.74 million. The added value of the digital economy reached 4.3 trillion yuan, accounting for 47% of GDP. The ecological conservation and high-quality development of the Yellow River Basin was further implemented, and the construction of Jinan and Qingdao metropolitan areas was approved.



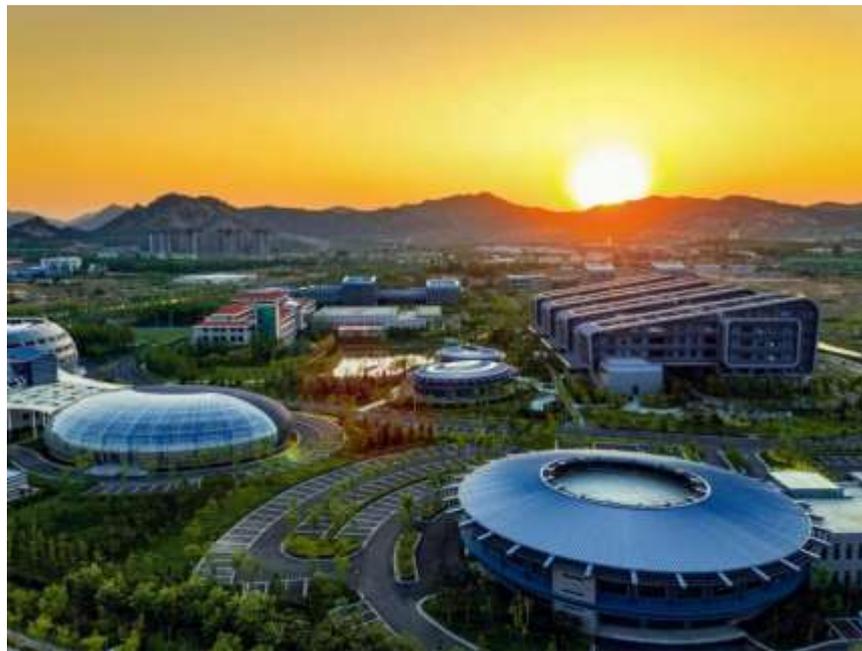
山东新动能增加值占GDP比重  
The proportion of added value of Shandong's new kinetic energy to GDP



## ► 科技创新成果丰硕 Abundant achievements in technological innovation

畅通科技、教育、人才良性循环，在集成电路、工业母机等领域，实施100项重大科技创新项目。全社会研发投入增速近三年保持在12%以上，国家实验室（崂山实验室）布局建设，全国重点实验室达到21家，全球首座第四代高温气冷堆核电站投入商运，东方航天港海上发射卫星57颗，世界首套时速600公里高速磁浮交通系统研制成功，发明专利拥有量去年达到24万件、同比增长26.5%。

Smooth the virtuous cycle of technology, education, and talent, and implement 100 major technological innovation projects in fields such as integrated circuits and industrial motherboards. The growth rate of R&D investment in the whole society has remained above 12% in the past three years. Layout and construction of National Laboratory (Laoshan laboratory). There are 21 national key laboratories. The world's first fourth generation high-temperature gas cooled reactor nuclear power plant has been put into commercial operation. Dongfang Space Port launched 57 satellites at sea. The world's first high-speed magnetic levitation transportation system with a speed of 600 kilometers per hour was successfully developed. The number of invention patents in Shandong Province reached 240000 last year, a year-on-year increase of 26.5%.



青岛海洋科学与技术试点国家实验室  
The Qingdao Marine Science and Technology Pilot  
National Laboratory



## ► 产业升级步伐加快 Industrial upgrading was accelerated

加快构建“6997”现代化工业体系，包括6个传统产业、9个优势产业、9个新兴产业、7个未来产业。规上工业增加值近两年平均增速达7.4%，11条标志性产业链加快培育，制造业单项冠军企业超200家、专精特新“小巨人”企业1032家，科技型中小企业突破4.5万家；国家级工业互联网平台47个，产业数字化指数居全国前列。

We will accelerate the construction of a “6997” modern industrial system, including six traditional industries, nine competitive industries, nine emerging industries, and seven future industries. The average growth rate of industrial added value in the past two years has reached 7.4%. The development of 11 landmark industrial chains was accelerated. There are more than 200 champion manufacturing enterprises, 1,032 specialized and new “little giant” enterprises, and more than 45,000 scientific and technological SMEs. There are 47 national industrial Internet platforms, and the industrial digitization index ranks among the top in the country.



海尔家电智能制造综合试点示范项目  
The Haier Home Appliance Intelligent Manufacturing  
Comprehensive Pilot Demonstration Project



## ► 基础设施取得突破 Infrastructure breakthroughs

山东是全国第一个部省共建交通强国省域示范区，高铁营业里程达到2810公里、居全国第一位，高速公路通车里程突破8400公里；现代水网建设有力推进，加快建设世界级港口群；开通5G基站超过20万个。齐鲁号欧亚班列直达“一带一路”沿线24个国家56个城市，240多条海运集装箱外贸航线通达世界。

Shandong is the first provincial demonstration area of strong transportation in China. The mileage of high-speed railway has reached 2,810 kilometers, ranking the first in China. The mileage of highways has exceeded 8,400 kilometers. The construction of modern water network has been vigorously promoted, and the construction of world-class port clusters has been accelerated. More than 200,000 5G base stations have been opened. The Qilu Eurasian Express has direct access to 56 cities in 24 countries along the “Belt and Road”, and more than 240 maritime containerized foreign trade routes have access to the world.



青岛港5G智慧全自动码头

The Qingdao Port 5G Smart Fully Automatic Terminal



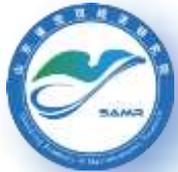
## ▶ 对外开放全面拓展 Opening up to the outside world is expanding comprehensively

上合示范区、济南新旧动能转换起步区、自贸试验区等国家级开放平台高水平建设，高质量招商引资固稳提质，贸易伙伴遍及230多个国家和地区。大力建设市场化、法治化、国际化一流营商环境，深入开展“双全双百”工程，“高效办成一件事”深入推进，加快建设“无证明之省”，连续4年入选全国营商环境最好省份。

State-level open platforms such as the SCO Demonstration Zone, Jinan Start-up Area and the Free Trade Zone are being constructed at a high level. High-quality investment promotion has enhanced the quality of economic and social development in Shandong Province, with trading partners in more than 230 countries and regions. Vigorously building a first-class business environment that is market-oriented, rule of law-oriented and internationalized. In-depth implementation of the “Double Comprehensive and Double Hundred” project. The “Efficiently Doing One Thing” program has been further promoted. Accelerating the construction of a “proof-free province”. For four consecutive years, it has been selected as the province with the best business environment in China.



齐鲁号欧亚班列  
The Qilu Eurasian freight train



## ▶ 生态环境持续改善 The ecological environment continues to improve

深入推进降碳减污扩绿，加快核电、海上风电等五大清洁能源基地建设。万元GDP能耗近三年累计下降15.8%，新能源和可再生能源发电装机突破9700万千瓦，PM2.5平均浓度近三年改善19%，国控断面优良水体比例达到83.7%。积极争创国家级美丽河湖海湾，绘就绿水青山齐鲁画卷。

Shandong Province is deeply promoting carbon reduction and pollution reduction, and accelerating the construction of five clean energy bases, including nuclear power and offshore wind power. The energy consumption per 10000 yuan of GDP has cumulatively decreased by 15.8% in the past three years. The installed capacity of new and renewable energy generation has exceeded 97 million kilowatts. The average concentration of PM2.5 has improved by 19% in the past three years. The proportion of excellent water bodies in the national control section reaches 83.7%. Actively striving to create national level beautiful rivers, lakes, and bays, painting a picturesque landscape of green mountains and clear waters in Qilu.



泰山和黄河入海口风貌

Mount Taishan and the Yellow River estuary



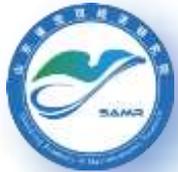
## 民生福祉不断增进 The well-being of people's livelihoods has continued to improve

财政民生支出占比稳定在80%左右，城镇新增就业连年超过120万人，公共服务和社会保障水平不断提升。宜居宜业和美乡村加快建设，粮食年产量稳定在1100亿斤以上，蔬菜、水果、水产品、肉蛋奶产量居全国前列，农村居民收入达到23776元。

The proportion of fiscal expenditure on people's livelihoods has stabilized at around 80 percent. New urban employment has exceeded 1.2 million in successive years. The level of public services and social security has been continuously upgraded. The construction of livable and beautiful villages has been accelerated. The annual grain production is stable at over 110 billion kilograms; the output of vegetables, fruits, aquatic products, meat, eggs and milk ranks among the highest in the country; and the income of rural residents has reached 23,776 yuan.



威海长青海洋牧场  
Weihai Changqing Ocean Ranch



## ► 未来的山东 The Future of Shandong Province

面向未来，山东将以建设绿色低碳高质量发展先行区为总抓手，大力培育和发展新质生产力，扎实推进海洋强省、美丽山东建设，聚力打造乡村振兴齐鲁样板和对外开放新高地，切实保障和改善民生，踏踏实实做好各项工作，着力塑造“好品牌”、提供“好服务”、做强“好质量”、讲好“好故事”，奋力谱写中国式现代化山东实践新篇章。

Looking to the future, Shandong will take the construction of a green, low-carbon and high-quality development pilot zone as a general grasp, vigorously cultivate and develop new quality productive forces, and solidly promote the construction of a strong maritime province and beautiful Shandong. We will focus on building a Qilu model for rural revitalization and a new high ground for opening up to the outside world, effectively safeguarding and improving people's livelihoods, and doing a good job in a practical way. Focus on shaping "good brands", providing "good services", strengthening "good quality" and telling "good stories". Strive to write a new chapter in the practice of Chinese-style modernization of Shandong.



世界上第一个设计速度高达600公里/小时的高速磁悬浮运输系统  
The world's first high-speed magnetic levitation transportation system designed for speeds up to 600km/h



# 山东省宏观经济研究院 Shandong Academy of Macroeconomic Research

山东省宏观经济研究院成立于2010年，是山东省发展改革委所属公益一类事业单位，位于山东省济南市。现有职工109人，其中博士23人、硕士45人。核心职责为，调研国民经济和社会发展及改革问题，服务科学决策和发展改革大局。

Shandong Academy of Macroeconomic Research, founded in 2010, is a welfare first class public institutions under the Shandong Provincial Development and Reform Commission, located in Jinan, Shandong Province. The academy has 109 employees, including 23 doctors and 45 masters. The core responsibility is to conduct research on national economic and social development and reform issues, serve scientific decision-making and the overall development and reform.



宏观院办公楼

The office building of Macro Academy



- 山东省首批重点新型智库建设试点单位  
The first batch of key new think tank construction pilot units in Shandong Province
- 山东省决策咨询委员会成员单位  
Member units of Shandong Provincial Decision Advisory Committee
- 山东省经济领域战略咨询专家委员会秘书长单位  
Secretary General Unit of Shandong Provincial Economic Strategy Advisory Expert Committee
- 中国智库索引(CTTI)首批来源智库  
China Think Tank Index (CTTI), the first batch of source think tanks
- 中国宏观经济智库联盟发起单位  
Initiated by the China Macroeconomic Think Tank Alliance
- 省社科理论黄河流域生态保护和高质量发展重点研究基地  
Key research base for ecological protection and high-quality development in the Yellow River Basin based on provincial social science theory
- 省科技厅产业生态创新软科学基地  
Industrial Ecological Innovation Soft Science Base of Provincial Department of Science and Technology
- 省“十四五”规划智库支撑单位和实施创新试点单位  
Provincial "14th Five Year Plan" think tank support units and implementation innovation pilot units
- 国家发改委国情调研基地  
National Development and Reform Commission National Situation Research Base
- 山东宏观经济学会等多个平台、联盟和载体  
Shandong macroeconomic society and other platforms, alliances and carriers
- 山东省数据开放创新应用实验室（经济）  
Shandong Province Data Open Innovation Application Laboratory (Economics)



未来愿景Future vision

# 热烈祝贺中巴建交50周年

Warm congratulations on the 50th anniversary of the establishment of diplomatic relations between China and Brazil

# 祝愿双方合作取得新成果

Wishing both sides new achievements in cooperation

