

# 中欧深化中小企业创新合作 应对后疫情经济恢复与增长挑战

Deepen China EU SMEs innovation Cooperation against Covid-19  
challenge of Economy Robust Growth

2020.07.30

John Zhang, Secretary General  
International Technology Transfer Network (ITTN)

国际技术转移协作网络 (ITTN) 秘书长 张 璋

# International Technology Transfer Network (ITTN)

**Founded in January 2011** — with the mission of promoting cross-border innovation technology commercialization practice between China and other countries.

## An international technology transfer organization

- Develops fourth-party international technology transfer platform with market-oriented mechanism;
- Organizes high-quality resources of international technology innovation in supply
- Builds innovation cooperation network that connects **610** international technology transfer institutions in **35** countries around the world
- **International Committee of ITTN** recruited **168** outstanding industry leaders into theMeanwhile
- Established **6 overseas sub centers and representative offices.**



# ITTN International Committee



## Andy Sierakowski

- Chairman of ITTN International Committee
- Former Chairman of Knowledge Commercialization Australia (KCA)

**168** ITTN Global Expert

**35** Countries **610** International Technology Transfer Organizations

### Tank



Carl A. Rust, Associate Vice President for International Initiatives & Principal Director in the Office of Industry Collaboration, Georgia Institute of Technology



John A. Fraser, Partner of National Institute of Standards and Technology; Senior Lecturer of World Intellectual Property Organization



Ramon A. Wyss, Vice President of Royal Institute of Technology



Tino Mantella, Former President of US Georgia Science and Technology Association



Vincenzo Lipardi, Chairman of China-Italy Innovation and Entrepreneurship Alliance



Antonio Cianci, Former Senior Advisor for Innovation at the Italian Prime Minister Office, Former Director of the China Italy Technology Transfer Center



Igor Rozhdnstenvskii, Co-founder of Association of Brokers of Innovations and Technologies in Russia



Pro Dieter Flamig, former Secretary of State of Germany, INFRANEU in Germany

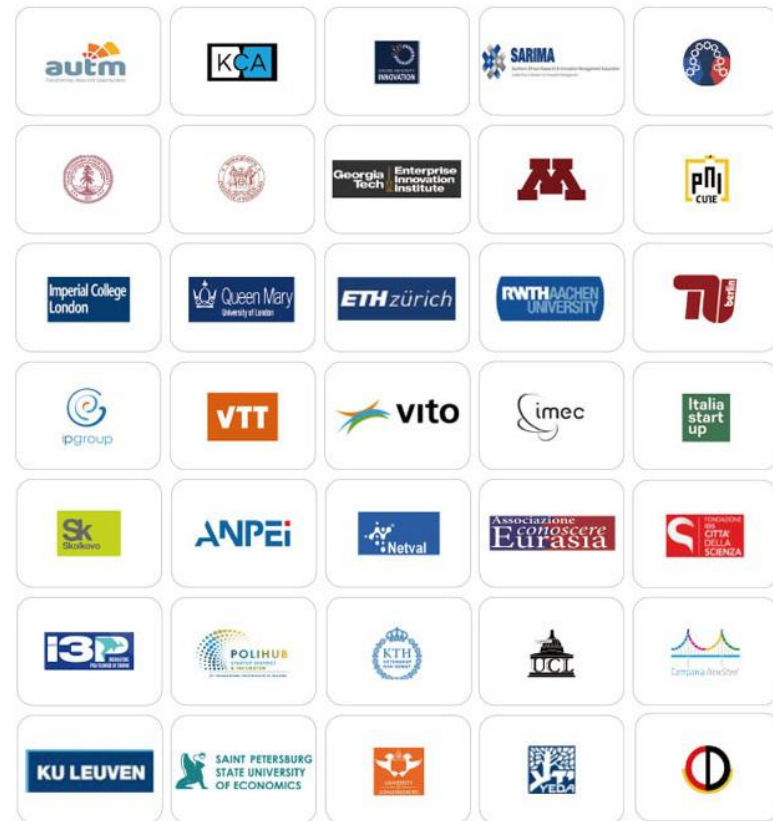


Nicoli Koorbanally, Expert of SARIMA in South Africa



Nedeljko Milosavljević, Vice President of The Association of European Science and Technology Transfer Professionals

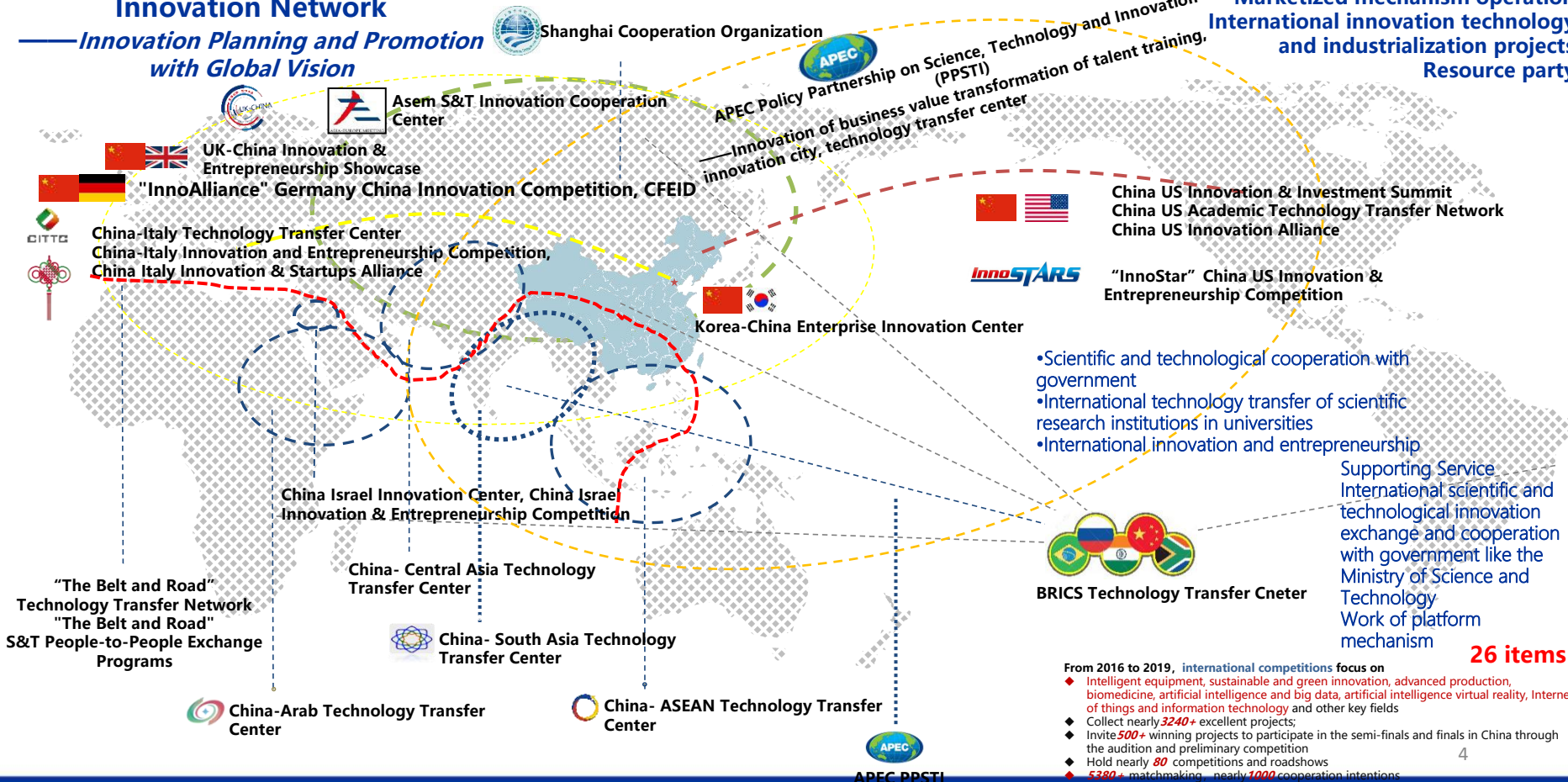
# Member Units of International Network



# Global Technology Transfer and Innovation Network

Innovation Planning and Promotion with Global Vision

The Only Marketized mechanism operation  
International innovation technology and industrialization projects  
Resource party



- From 2016 to 2019, international competitions focus on
- ◆ Intelligent equipment, sustainable and green innovation, advanced production, biomedicine, artificial intelligence and big data, artificial intelligence virtual reality, Internet of things and information technology and other key fields
  - ◆ Collect nearly **3240+** excellent projects;
  - ◆ Invite **500+** winning projects to participate in the semi-finals and finals in China through the audition and preliminary competition
  - ◆ Hold nearly **80** competitions and roadshows
  - ◆ **5380+** matchmaking, nearly **1000** cooperation intentions



# Catalogue

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**promote innovation with a global perspective**

## 抗击新冠疫情期间的中国经济增长

### China's Economy Robust Growth during the period of Covid-19

当前世界面临“百年未有之大变局”，大国战略博弈加剧，全球治理体系、国际秩序、经济贸易形势复杂多变，与此同时，全球经济结构重塑步伐加快，新科技革命和产业变革方兴未艾，为经济社会发展提供了前所未有的驱动力，推动着经济格局和产业形态深刻调整。

The world is currently facing "great changes unseen in a century", the strategies between countries, the global governance system, international order, and situation of economic trade are complex and changeable.

At the same time, the pace of reshaping the global economic structure is accelerating, and new technological revolutions and industrial changes has just been unfolding. Provides an unprecedented driving force for economic and social development and accelerates an adjustment of the economic pattern and industrial form.



## WHAT are NEWs

### 新模式New mode

中国特色经济发展道路  
Economic development with  
Chinese characteristics

### 新工业革命

#### new Industrial revolutions

数字化、网络化、智能化  
Digitalization, networking and  
intelligence

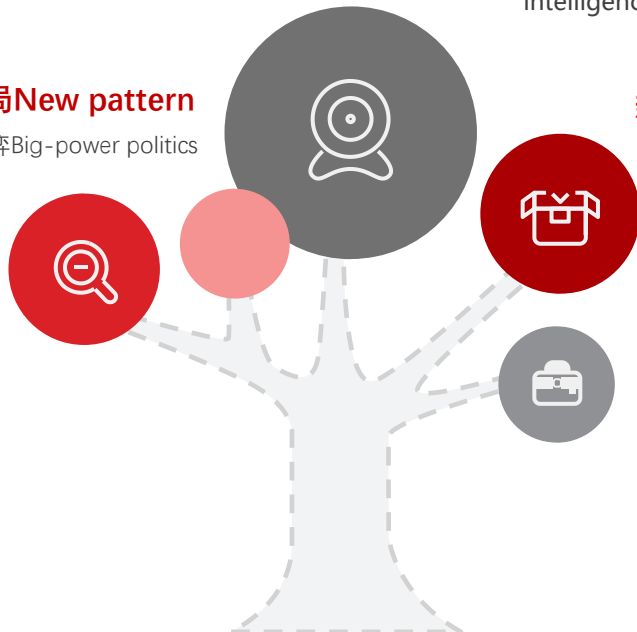
### 新格局New pattern

大国博弈Big-power politics

### 新的全球问题

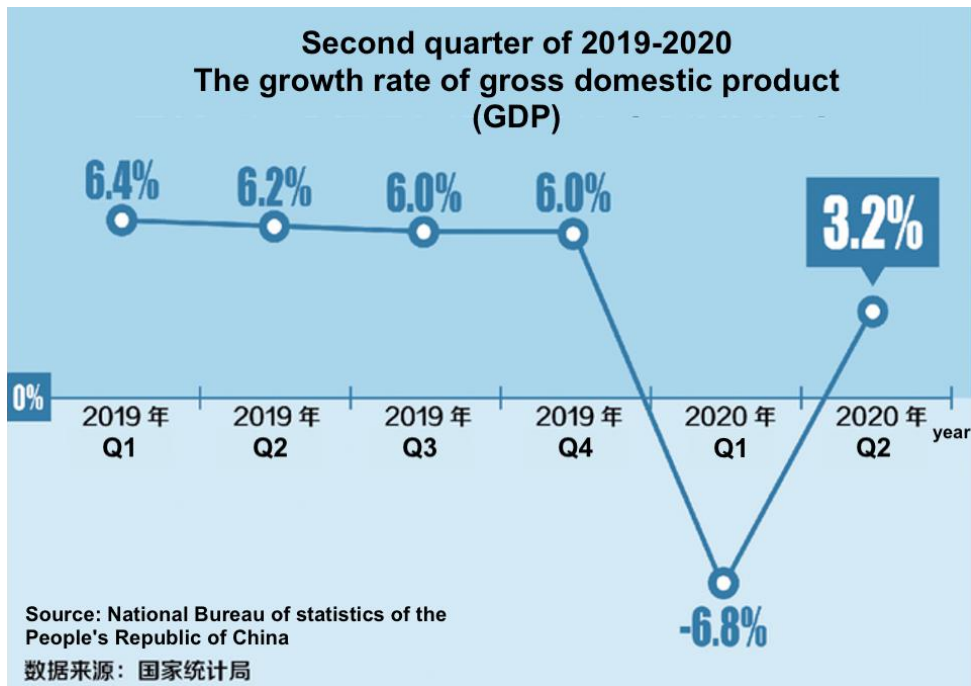
#### New global issues

逆全球化  
Deglobalization  
新冠疫情  
Covid-19



## 抗击新冠疫情期间的中国经济增长

### China's Economy Robust Growth during the period of Covid-19



面对新冠肺炎疫情带来的严峻考验和复杂多变的国内外环境，上半年经济先降后升，二季度经济增长由负转正，主要指标恢复性增长，经济运行稳步复苏：

- 初步核算，上半年国内生产总值**456614亿元**，按可比价格计算，同比下降1.6%。
- 分季度看，一季度同比下降6.8%，二季度**增长3.2%**。

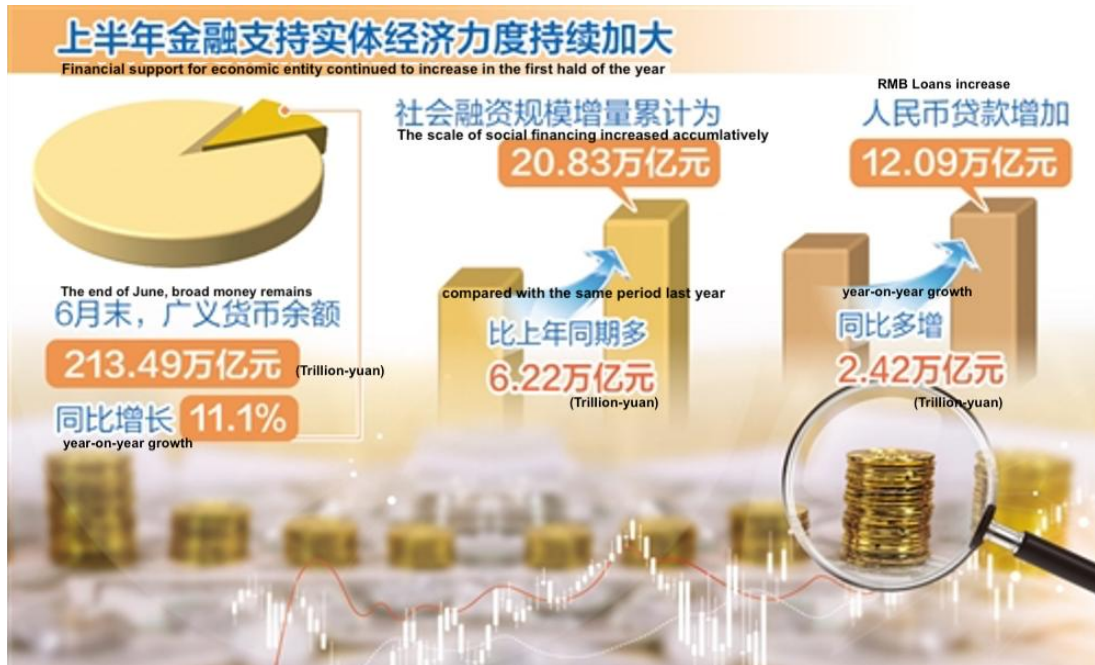
Facing the challenges brought by Covid-19 and the domestic and international environment, the economy **first fell and then rose** in the first half of the year. In the second quarter, economic growth turned from **negative to positive**. **The main indicators returned to growth, and economic operations recovered steadily:**

- According to preliminary calculations, the gross domestic product in the first half of the year was **EUR€55432 billion**, a decrease of 1.6% year-on-year at comparable prices.
- In quarterly terms, the first quarter fell 6.8% year-on-year, and the second quarter **increased 3.2%**

# 抗击新冠疫情期间的中国经济增长-三驾马车之“投资”

## China's Economy Robust Growth during the period of Covid-19

### —Investment in the 'Troika'



上半年金融对实体经济支持力度较大，并持续加强，总量指标广义货币供应量和社会融资规模增速明显高于去年，全社会流动性合理充裕：

- 广义货币(M2)余额**213.49万亿元**，同比增长11.1%，已经连续4个月保持两位数增速
- 上半年社会融资规模增量累计为**20.83万亿元**，比上年同期多6.22万亿元。
- 上半年人民币贷款增加**12.09万亿元**，同比多增2.42万亿元

数据来源：中国人民银行

In the first half of the year, the financial support for the economic entity was strong and be continued. The growth rate of the aggregate indicator broad money supply and the scale of social financing was significantly higher than last year, and the liquidity of the whole society was reasonable and abundant:

- The balance of broad money (M2) was **EUR€25.89 trillion**, a year-on-year increase of 11.1%, maintaining a double-digit growth rate for 4 consecutive months
- The cumulative increase in the scale of social financing in the first half of the year was **EUR€2.5 trillion**, which was 6.22 trillion yuan more than the same period last year.
- RMB loans increased by **EUR€1.467 trillion** in the first half of the year, an increase of EUR€0.29 trillion-yuan year-on-year

Source: PBOC



# 抗击新冠疫情期间的中国经济增长-三驾马车之“投资”

## China's Economy Robust Growth during the period of Covid-19

### Investment in the 'Troika'



- In June 2020, the stock growth rate of social financing scale was almost to **13%**
- In January and March 2020, the scale of social integration increased significantly, to **EUR€0.62 trillion** in January and **EUR€0.63 trillion** in March.
- 2020年6月社会融资规模存量增速接近**13%**
- 2020年1月和3月社融规模增量大幅度增加, 1月**5.07万亿元**, 3月**5.16万亿元**

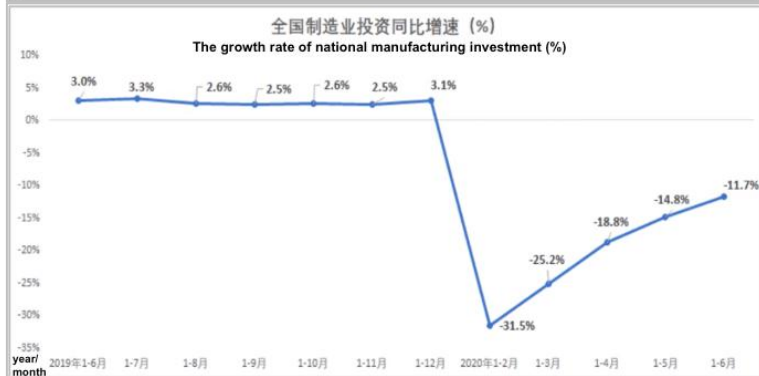
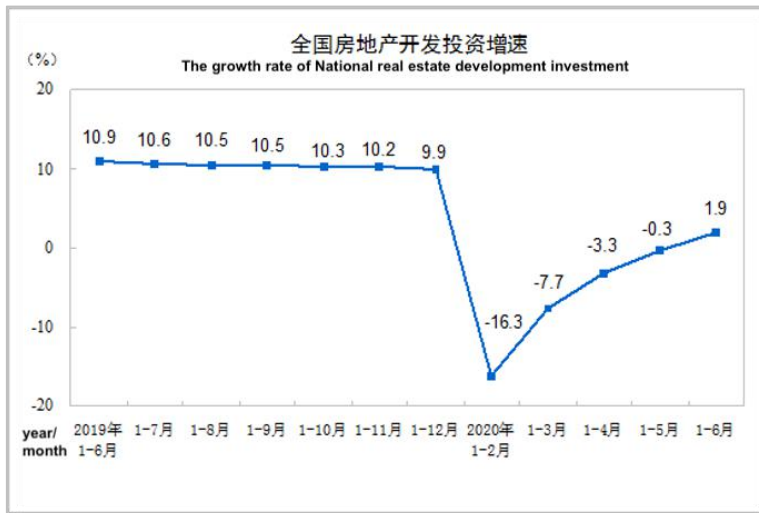
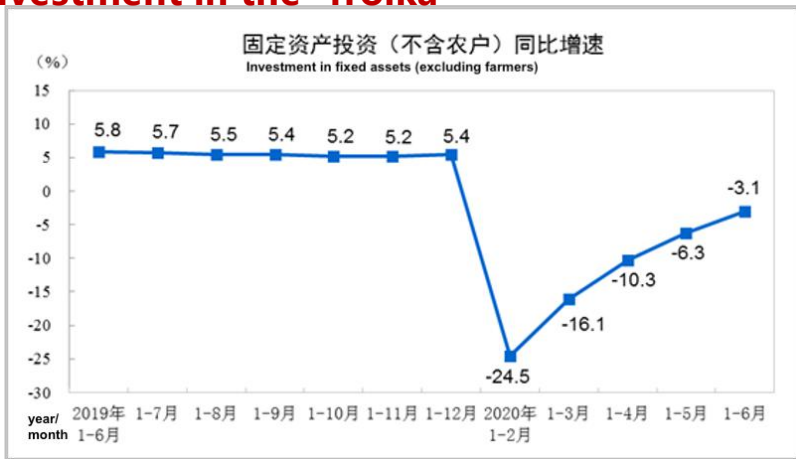


- At the beginning of 2018, the stock of social financing scale was about **210 trillion yuan**, and in June 2020 it was about **270 trillion yuan**, an increase of **EUR€7.23 trillion**.
- Yi Gang, president of the PBOC, predicts that the trend of social financing in this year will increase exceed **EUR€3.64 trillion**.
- 2018年初社会融资规模存量约210万亿元, 2020年6月约为270万亿元, **增长60万亿元**
- 人民银行行长易纲预计, 今年社会融资规模增量将超过**30万亿元**

# 抗击新冠疫情期间的中国经济增长-三驾马车之“投资”

## China's Economy Robust Growth during the period of Covid-19

### Investment in the 'Troika'



- National investment in fixed assets (excluding farmer) from January to June was **EUR€3418.67 billion**, a year-on-year **decrease of 3.1%**, and the rate of decline narrowed by 3.2% from January to May

- From January to June, the national real estate development investment was **EUR€762.1 billion**, a year-on-year **increase of 1.9%**

- The year-on-year growth rate of manufacturing investment from January to June **fell 11.7% year-on-year**, but PMI production and operation activities are expected to remain high in June, and the growth rate of manufacturing investment is expected to continue to rise

Source: NBSPRC

- 1-6月全国固定资产投资（不含农户）**281603亿元**，同比**下降3.1%**，降幅比1-5月份收窄3.2%

- 1-6月全国房地产开发投资**62780亿元**，同比**增长1.9%**

- 1-6月制造业投资同比增速同比**下降11.7%**，但6月PMI生产经营活动预期维持高位，制造业投资增速有望继续上行

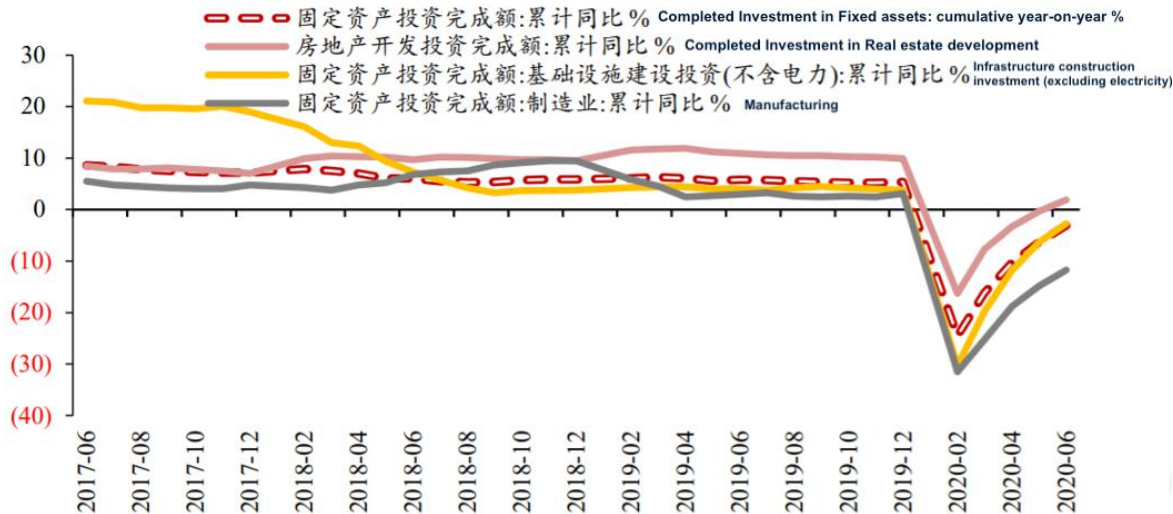
数据来源：国家统计局

# 抗击新冠疫情期间的中国经济增长-三驾马车之“投资”

## China's Economy Robust Growth during the period of Covid-19

### —Investment in the 'Troika'

固定资产投资分项走势 Fixed asset investment breakdown trend

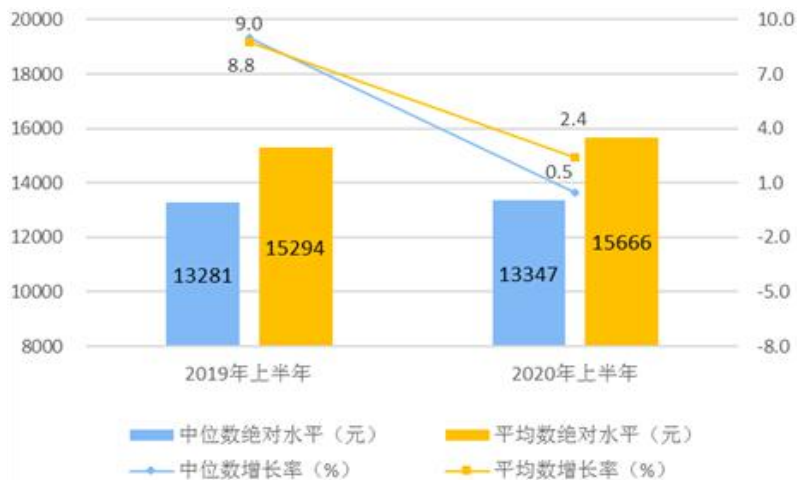


资料来源: Wind, 浙商证券研究所

- National fixed asset investment fell 3.1% year-on-year from January to June
- Cumulative **manufacturing** investment - **11.7%** year-on-year
- The cumulative real estate investment is **1.9%** year-on-year, 2.2 percentage points from the previous value, **from negative to positive**
- **Infrastructure** investment accumulated - **2.7%** year-on-year
- 1-6月全国固定资产投资同比**下降3.1%**
- **制造业**投资累计同比**-11.7%**
- **地产**投资累计同比**1.9%**, 较前值修复2.2个百分点, **由负转正**
- **基建**投资累计同比**-2.7%**

## 抗击新冠疫情期间的中国经济增长 “三驾马车”之消费 Investment in the 'Troika'

- In the first half of the year, the national per capita disposable income of residents was EUR€1901.9, a nominal increase of 2.4% over the same period of the previous year. After deducting price factors, the actual decrease was 1.3%.上半年, 全国居民人均可支配收入15666元, 比上年同期名义增长2.4%, 扣除价格因素, 实际下降1.3%
- The national median per capita disposable income of residents was EUR€1620.3, an increase of 0.5%全国居民人均可支配收入中位数13347元, 增长0.5%



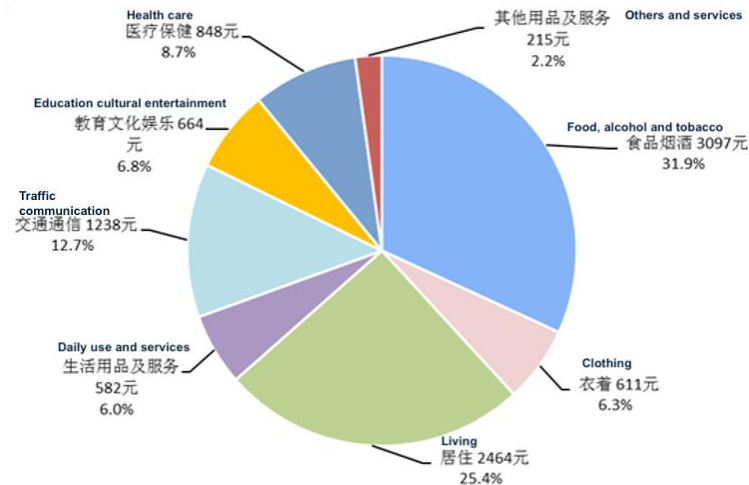
2020年上半年居民人均可支配收入平均数与中位数

Average and median disposable income per resident in the first half of 2020.

- Per capita consumption expenditure was EUR€1179.77, a nominal decrease of 5.9% over the same period of the previous year. After deducting price factors, the actual decrease was 9.3%

人均消费支出9718元, 比上年同期名义下降5.9%, 扣除价格因素, 实际下降9.3%

数据来源: 国家统计局 NBS/PRC

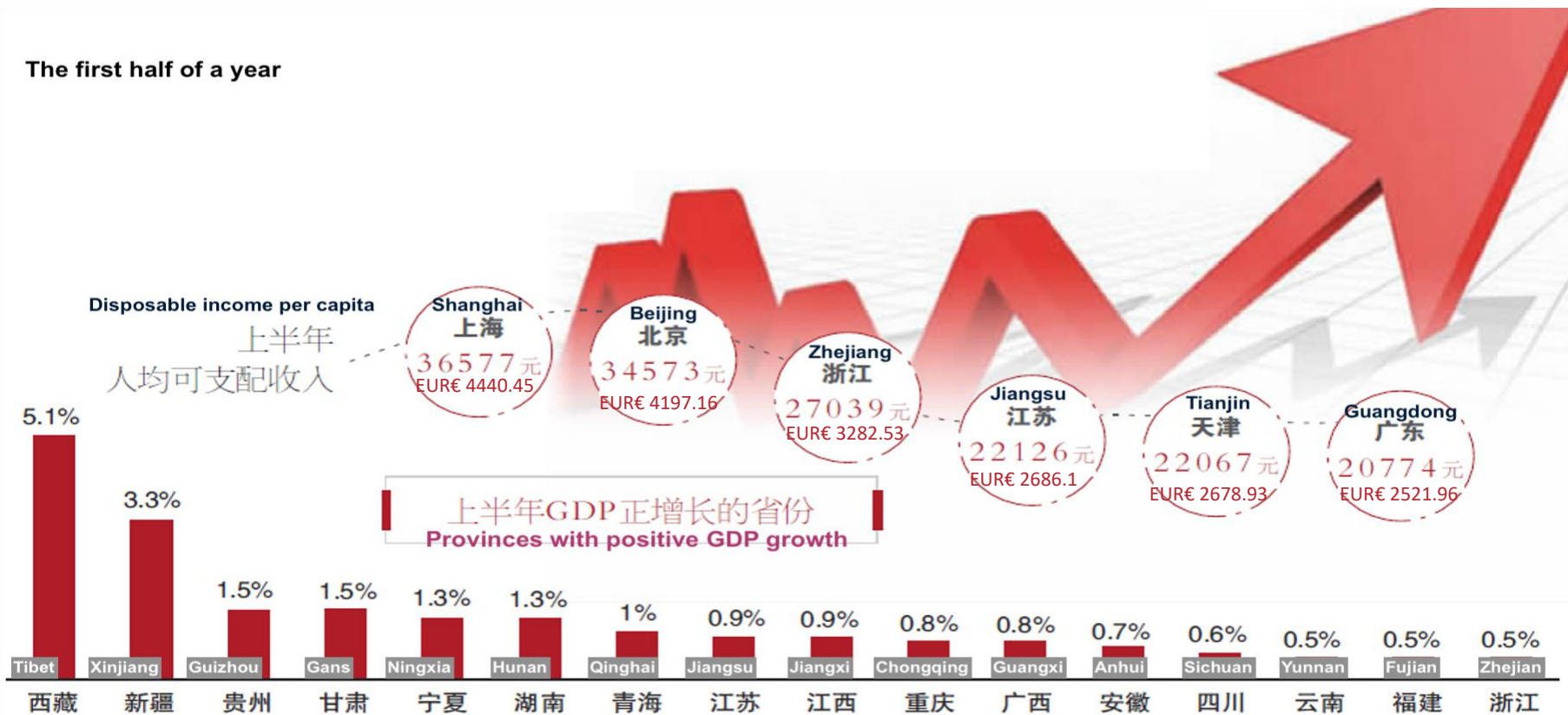


2020年上半年居民人均消费支出及构成

The per capita consumption expenditure and composition of residents in the first half of 2020

# 抗击新冠疫情期间的中国经济增长 “三驾马车”之消费 Investment in the 'Troika'

The first half of a year



## 抗击新冠疫情期间的中国经济增长 “三驾马车”之出口 Export in the 'Troika'

- 上半年，我国外贸进出口总值为**14.24万亿元**，同比下降3.2%。其中**出口7.71万亿元**，下降3%；**进口6.53万亿元**，下降3.3%。  
The total value of China's foreign trade imports and exports was EUR€1.73 trillion, down 3.2% year-on-year. Exports were EUR€0.936 trillion, down 3%, while imports were EUR€ 0.79 trillion, down 3.3%.
- 自4月份起我国出口**连续3个月实现正增长**，6月份进出口同比**增长5.1%**。  
Since April, domestic exports have achieved growth for three consecutive months, and imports and exports in June increased by 5.1% year-on-year.

数据来源：海关总署 Customs

	进出口额 Import and export. (万亿元 trillion-yuan)	增幅 Range of increase
东盟 Asean.	2.09	+5.6%
欧盟 EU	1.99	-1.8%
美国 United States.	1.64	-6.6%
“一带一路”沿线国家 Countries along the route of 'Belt and Road'	4.2	-0.9%

## 我国6月份进出口年内首次双双实现正增长

海关总署7月14日发布数据显示



2020年6月份  
我国货物贸易出口、进口首次迎来年内  
双双同比正增长，回升态势好于预期

从月度看

▲同比增长 ▼同比增长



自4月份起我国出口连续3个月实现正增长

6月份进出口 ▲5.1%

从上半年来看

我国外贸进出口总值

**14.24万亿元** ▼3.2%  
降幅较前5个月收窄1.7个百分点

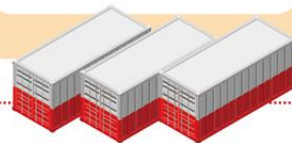
其中  
出口**7.71万亿元** ▼3%  
进口**6.53万亿元** ▼3.3%

作为外贸第一大经营主体的

民营企业进出口  
**6.42万亿元** ▲4.9%

其中  
出口**4.14万亿元** ▲3.2%  
进口**2.28万亿元** ▲8.1%

占我国外贸总值的45.1%  
比2019年同期提升3.5个百分点



新华社发（边纪红制图）

# Catalogue


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Deepen China-EU SMEs innovation Cooperation to  
promote innovation with a global perspective


## 从战略视角观察发展优势 Development advantages from Strategic perspective




高速成长的国内市场  
High-speed growth of the domestic market.



完备的工业体系  
A complete industrial system

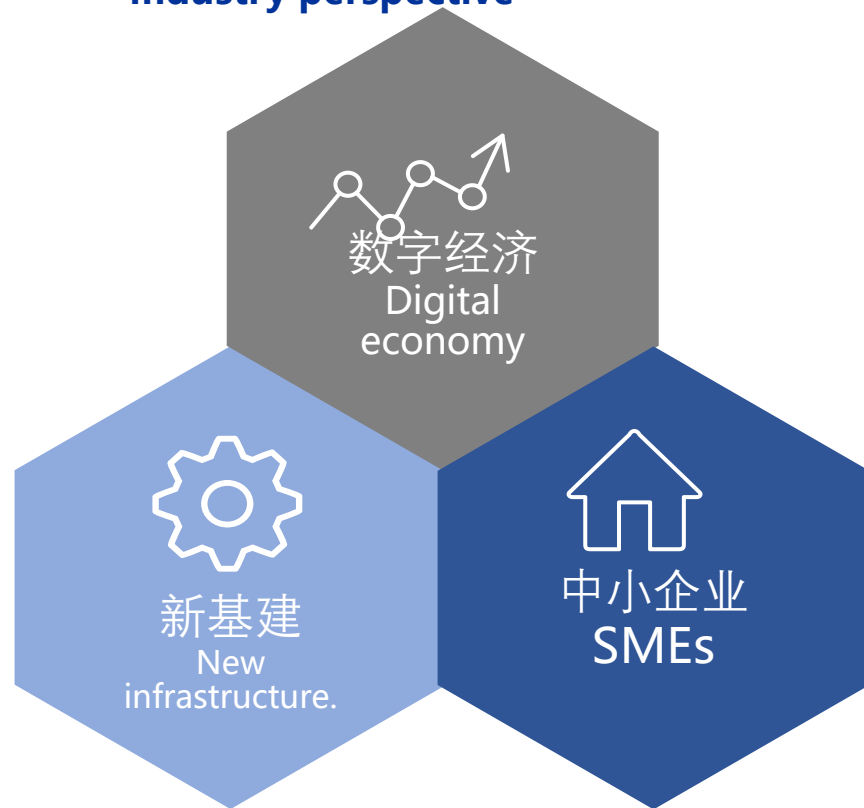


“一带一路”第三方市场发展空间  
Potential development in the market of  
third-party market  
("Belt and Road" )



高素质工程技术人才红利  
High-quality engineering and technical  
personnel.

## 从产业视角观察发展优势 Development advantages from Industry perspective





## 高速成长的国内市场 High-speed growth of the domestic market.

国家统计局数据显示，2018年中国社会消费品零售总额同比增长9.0%，达38.10万亿元人民币（约合**5.76万亿美元**）；同期美国全国社会消费品零售总额**6.04万亿美元**，同比增长5%。

According to data from NBSPRC, the total retail sales of consumer goods in China in 2018, increased by 9.0% which reached 38.10 trillion yuan (approximately **US\$5.76 trillion**).

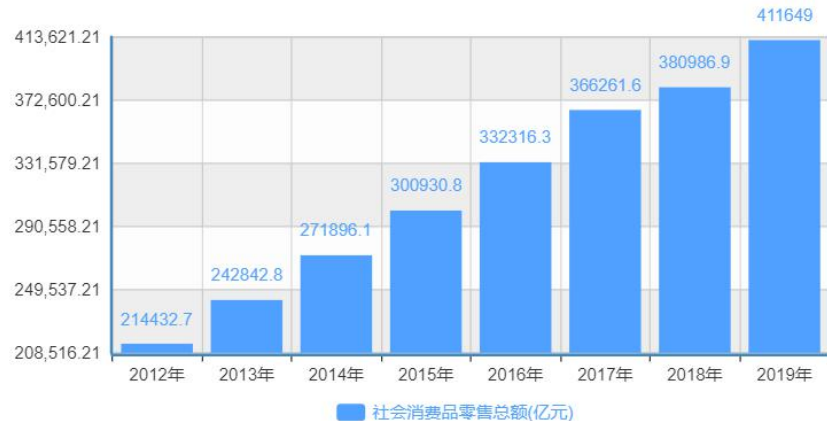
中美消费规模差距逐渐缩小：从2017年的3400亿美元到2018年的2800亿美元，缩小1.35个百分点，中国消费规模相当于美国的95.36%。

During the same period, the total retail sales of consumer goods in the United States was **US\$6.04 trillion**, a year-on-year increase of 5%. **The gap in consumption scale between China and the United States is gradually narrowing** from US\$340 billion in 2017 to US\$280 billion in 2018, a reduction of 1.35%.

如按照2018年的追赶速度保守估计，中国在2020年就能超越美国，成为世界第一大消费市场。

The consumption scale in China is equivalent to 95.36% of the US. Conservative estimate of the catch-up speed in 2018, China will exceed the United States in 2020 and become **the world's largest consumer market**.

2012-2019年中国社会消费品零售总额  
2012-2019 Total retail sales of consumer goods in China



Total retail sales of consumer goods in China (100 million-yuan)

## 完备的工业体系 A complete industrial system.

在对外贸易竞争中，更完善的工业体系能够减少工业配套生产成本，有利于生产质优价廉的产品，加强国内产品在国际贸易中的竞争优势。

Strengthen the competitive advantage of domestic products in international trade.

中国已拥有41个工业大类、207个工业中类、666个工业小类，形成了独立完整的现代工业体系，  
是全世界唯一拥有联合国产业分类当中全部工业门类的国家。

Formed modern industrial system independently

China is the only country in the world that has all industrial categories in the United Nations Industrial Classification. It has 41 major industrial categories, 207 medium industrial categories, and 666 industrial sub-categories, forming an independent and complete modern industrial system.



## “一带一路”第三方市场发展空间 Potential development in the market of third-party market ("Belt and Road")

我们欢迎多边和各国金融机构参与共建“一带一路”投融资，鼓励开展第三方市场合作，通过多方参与实现共同受益的目标。

——习近平在第二届“一带一路”国际合作高峰论坛开幕式上的主旨演讲

第三方市场合作模式将中国的优势产能、发达国家的先进技术和发展中国家的发展需求有效对接，能达到**三赢**效果。

Cooperate with the third-party can achieve a win-win-win effect.

- 2015年中法签署了第三方市场合作的备忘录;
- 2018年7月，中国与阿联酋签署了关于加强重点领域务实合作的谅解备忘录，并开展第三方市场合作;
- 2018年9月中意签署开展第三方市场合作的谅解备忘录
- 2018年10月，日本首相安倍晋三访华期间，举行了首届中日第三方市场合作论坛

.....

## 高素质工程技术人才红利 High-quality Talents

实施人才强国战略、制造强国战略和创新驱动发展战略对工程技术人才提出了新的要求。  
New requirements for engineering and technical talents to implement the strategy of strengthening the country

充分激发工程技术人才创新潜能，加快突破关键核心技术，培养造就素质优良、结构合理、充满活力的工程技术人才队伍。Fully stimulate the innovative potential of engineering and technical talents, accelerate breakthroughs in key core technologies, and cultivate a team of engineering and technical talents with high quality, reasonable structure and full of vitality.

2016年我国就已经拥有世界上最大规模的工程教育，专业布点17037个，工科在校生占到了高等教育在校生总数的三分之一，拥有4200多万人规模的工程科技人才队伍。

The largest engineering education in the world with 17,037 professional sites in 2016. Engineering students accounted for the total number of students in higher education, and more than 42 million engineering and technical talents.

截至2019年年底，全国共有241所高校1353个专业通过工程教育认证，涉及机械、仪器等21个工科专业类。

The end of 2019, a total of 241 colleges and universities across the country had 1,353 majors that have passed engineering education certification, involving 21 engineering majors such as machinery and instrumentation.

普通本科分科学科生数 Number of Regular Students for Normal Courses in HEIs by Discipline				
	毕业生数 Graduates	招生数 Entrants	在校生数 Enrolment	预计毕业生数 Estimated Graduates for Next Year
总计 Total	3947157	4312880	17508204	4343591
其中：女 of Which: Female	2184661	2488266	9436918	2303749
哲学 Philosophy	2166	2647	10036	2371
经济学 Economics	235346	232119	986254	255661
法学 Law	141838	152972	609628	149845
教育学 Education	151841	190316	733353	175967
文学 Literature	369089	423686	1692965	417003
其中：外语 of Which: Foreign Language	193387	226370	901378	221601
历史学 History	18035	22871	83044	19111
理学 Science	257641	306668	1180999	284168
工学 Engineering	1295015	1485293	5879763	1447786
农学 Agriculture	67365	74686	292879	73160
医学 Medicine	266070	293119	1348593	292803
管理学 Management	764582	666746	2972541	814097
艺术学 Art	378169	435951	1691333	411619
职业教育试点专业 Vocational Education Pilot Major	0	25816	25816	0
总计中：师范生 of the Total: Students Enrolled in Teacher Training Institutions	387094	428795	1712842	422986

## 数字经济 Digital Economy

The digital economy era is a new form of economic and social development after the agricultural and industrial economies.

The digital economy is a phased concept and an intermediate stage that falls somewhere **between the Internet Economy and the Intelligence Economy** of the future.

### The core production factor in the era

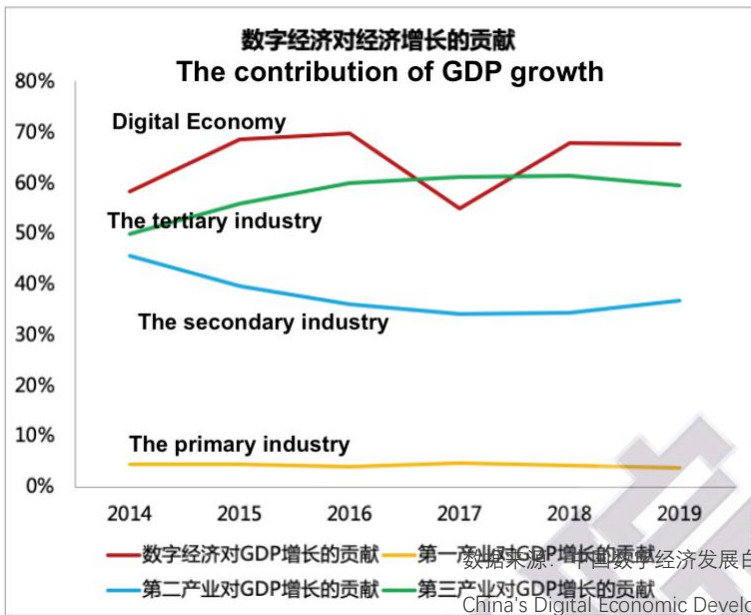
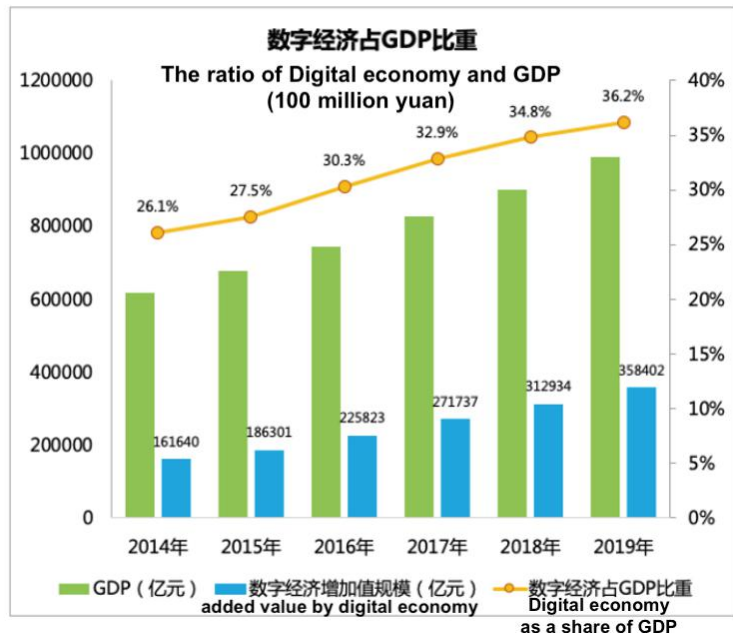
of agricultural economy is land; that in the era of industrial economy is technology and capital; and that in the era of the digital economy

**is data.**

The development of digital economy will promote spawning of new business models, reshape the innovation chain, and restructure the industry chain.



## from Industry perspective — 数字经济 Digital Economy



■2019年，我国数字经济增加值规模达到**35.8万亿元**，占GDP比重达到**36.2%**；

China's digital economy reached EUR€4.35 trillion, accounting for 36.2% of GDP in 2019

■2014到2019年，我国数字经济对GDP增长始终保持在50%以上的贡献率，2019年数字经济对经济增长的贡献率为67.7%，成为驱动我国经济增长的核心关键力量；

From 2014 to 2019, China's digital economy has always maintained a contribution rate of more than 50% to GDP growth, and in 2019 the digital economy's contribution rate on economic growth is 67.7%, which has become the core key force driving China's economic growth.

■同时，数字经济对经济增长的贡献率显著高于三次产业对经济增长的贡献。

At the same time, the contribution of digital economy is significantly higher than three times of the contribution of industries to economic growth.

## “新基建” 发力于科技端的基础设施建设 from Industry perspective

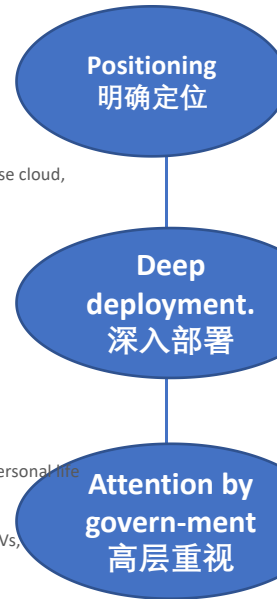
**"New infrastructure" is based on infrastructure construction on the technological side**

Seven areas.

5G Infrastructure	apply to industrial Internet, Internet of Vehicles, IoTs, enterprise cloud, artificial intelligence, telemedicine, etc
Ultra-high pressure	Apply to the power and other relevant industries.
Intercity high-speed rail and rail transit	Apply to the transportation industry
New energy vehicle charging pile	Apply to new energy vehicles
Big data center	Apply to the field of financial, security, energy, business and personal life travel, medical care, education, etc
Artificial intelligence	Can be used in smart homes, service robots, mobile device UAVs, autonomous driving and multi-industries.
Industrial Internet	Apply to intelligent production within enterprises, inter-enterprise network collaboration, enterprise and user personalized, enterprise and product service extension.

- ❑ MIIT 'The Plan of Development on Industrial Internet (2018-2020)' 2018.6
- ❑ NDRC 、MIIT 'The organization and implementation of 2019 next-generation information infrastructure construction project' 2018.12
- ❑ MIIT 《Internet of Vehicles (intelligent network vehicle) industry development action plan》 2018.12
- ❑ CPC Central Committee on Deepening the Reform of the Party and State Institutions 《Guidance on promoting the deep integration of artificial intelligence and the real economy》 2019.3
- ❑ MOT "The conference of accelerate the construction of traffic "2019.12
- ❑ NDRC, etc. 'Views on promoting the development of "Internet plus social services"2019.12

Industry-related policies



At the Central Economic Work Conference held at the end of 2018, it was proposed to speed up the pace of 5G commercialization, strengthen new infrastructure construction such as artificial intelligence, industrial Internet, IoT, etc., generate the concept of new infrastructure, and listed in the 2019 government work report.

The first executive meeting of the State Council in January 2020 proposed the introduction of new infrastructure investment support policies such as information networks, and several local governments made 5G network construction as the core investment in 2020.

On February 14th, the 12th meeting of the Central Committee on Comprehensive Reform and Reform pointed out that infrastructure is an important support for economic and social development and that a modern infrastructure system of intensive efficiency, economic application, environment, safe and reliable should be built.

On March 4, the meeting of CPC Centre Committee emphasized that it is necessary to select investment projects, strengthen policy support such as land use, energy use, and capital, and accelerate the progress of major projects and infrastructure construction that have been clearly defined in the national plan; increase investment in public health services and emergency supplies, and accelerate 5G networks , Data center and other new infrastructure construction.

On May 22nd, the 2020 State Council Government Work Report was released, clearly focusing on supporting the construction of "two & one" (new infrastructure construction, new urbanization, transportation, water conservancy and other major projects).

# “新基建” 发力于科技端的基础设施建设 from Industry perspective

## "New infrastructure" is based on infrastructure construction on the technological side

### Updated in terms of region, main body and mode

- Predicted that when China's urbanization rate reaches 71% by 2030:
  - 80% of the newly added 200 million urban population
  - Gathered in 19 urban agglomerations
  - 60% will be in 7 urban agglomerations (Yangtze River Delta, Guangdong, Hong Kong, Macao, and Beijing-Tianjin-Hebei)
  - In the future, those areas will face severe shortages of infrastructure such as rail transit, intercity railways, education, medical care, and 5G;
- We should further liberalize market access in the field of infrastructure, expand the investment subject, and treat private capital equally in the participating subjects
- Infrastructure investment should be standardized and promoted PPP, avoiding debt, etc., introducing private capital to improve efficiency and broaden financing sources



Chief Economist of Evergrande Group

### Huge space for development, but it is small currently

- At present, the total investment scale of the stock PPP project is about 17.6 trillion yuan, of which the railway base (railway, highway, port, terminal, airport, tunnel, etc.) is mainly, accounting for EUR€ 0.86 trillion, accounting for nearly 41%  
New infrastructure projects account for less than EUR€121.4 billion, or only 0.5%, in the pool of more than 17 trillion PPP projects. New infrastructure projects (rail transit, park development, waste power generation, etc.) amounted to about EUR€0.32 trillion, accounting for about 14.7%. Together, these account for about 15%;
- The Government will adopt the form of "recovery old and increase new".



Hua Changchun,  
Chief Global Economist of Guotai  
Junan Research Institute

### Input in 2020, focus on:

1. **Strengthen new infrastructure construction, promote the construction of AI, industrial Internet, IOT and other infrastructure, and accelerate the pace of 5G commercialization.**
2. Strengthen urban and rural infrastructure construction, promote municipal and logistics infrastructure construction, and speed up poverty alleviation and rural infrastructure construction.
3. Strengthen major infrastructure construction, such as energy, transportation and water conservancy
4. Strengthen the capacity-building of people's livelihood and public services, and promote elderly care, health, education and other supplementary
5. Strengthen the infrastructure for ecological protection and natural disaster prevention and control



Lian Weiliang,  
Deputy Director of the National  
Development and Reform Commission

## “新基建” 发力于科技端的基础设施建设

### “新基建”还应在地区、主体、方式上有所更新

- 据预测，到2030年中国城镇化率达71%时，新增2亿城镇人口的80%将集中在19个城市群，60%在长三角、粤港澳、京津冀等7个城市群，未来上述地区的轨道交通、城际铁路、教育、医疗、5G等基础设施将面临严重短缺；
- 在参与主体上，应进一步放开基建领域的市场准入，扩大投资主体，对民间资本一视同仁；
- 基建投资方式上要规范并推动 PPP，避免明股实债等，引入私人资本提高效率，拓宽融资来源。



恒大集团首席经济学家任泽平

### “新基建”尽管发展空间巨大，但目前规模较小

- 目前存量PPP项目总投资规模约17.6万亿元，其中以铁公基（铁路、公路、港口、码头、机场、隧道等）为主，占7.1万亿元，占比接近41%；
- 新基建项目在17多万亿PPP项目库中不足1000亿元，占比只有0.5%。类新基建项目，如轨道交通、园区开发、垃圾发电等约2.6万亿，占比14.7%左右。两者加总约占15%；
- 政府将会采用“老基建复苏、新基建加力”的形式。



国泰君安研究所首席全球经济学家  
花长春

### 2020年在投资上将聚焦五个方面

1. 加强新型基础设施建设，推进人工智能、工业互联网、物联网等建设，加快5G商用步伐；
2. 加强城乡基础设施建设，推进市政、物流基础设施建设，加快脱贫攻坚、农村基础设施建设；
3. 加强能源、交通、水利等重大基础设施建设；
4. 加强民生和公共服务能力建设，推进养老、健康、教育等补短板投资力度；
5. 加强生态环保和自然灾害防治能力建设。



国家发改委副主任连维良



## 中小企业 SMEs

- 截止到2018年底，中国中小企业的数量已经**超过3000万家**，个体工商户数量超过7000万户，**贡献了全国50%以上的税收，60%以上的GDP，70%以上的技术创新成果和80%以上的劳动力就业**，是国民经济和社会发展的主力军。

By the end of 2018, the number of SMEs in China has **exceeded 30 million**, and the number of individual business has exceeded 70 million, **contributing more than 50% of the tax revenue, more than 60% of GDP, 70% and above of technological innovation and over 80% of employed labor force** is the main force of national economic and social development.

- 2002年6月出台《中华人民共和国中小企业促进法》，2017年9月最新修订，并相继出台《关于促进中小企业健康发展的指导意见》、《优化营商环境条例》等文件。

Paper issued: "Law of the PRC on the Promotion of SMEs" (June 2002), "Guiding Opinions on Promoting the Healthy Development of SMEs" and "Regulations on Optimizing the Business Environment" (September 2017)

- 近日，工信部联合发改委、科技部、财政部等17个部门共同印发《**关于健全支持中小企业发展制度的若干意见**》，提出完善支持中小企业发展的基础性制度、坚持和完善中小企业财税支持制度、坚持和完善中小企业融资促进制度等7方面25条具体措施。

"Several Opinions on Improving the System for Supporting the Development of SMEs", proposing to improve the basic system for supporting the development of small and medium-sized enterprises, adhere to and improve the financial and taxation support system for small and medium-sized enterprises, Uphold and improve 25 specific measures in 7 areas, including the SME financing promotion system.



# Catalogue

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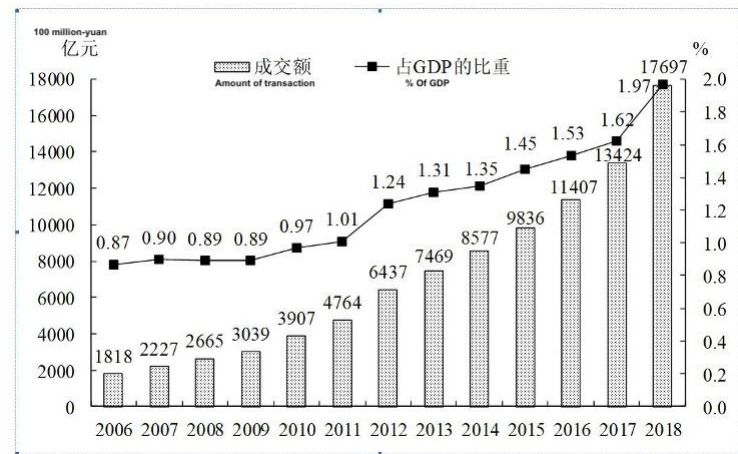
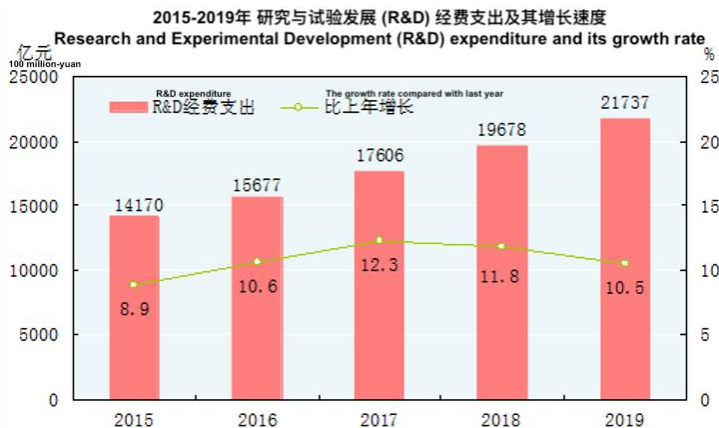
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## Development of S&T Innovation in China

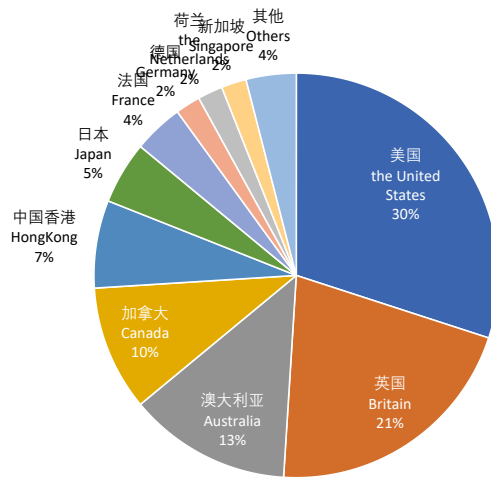
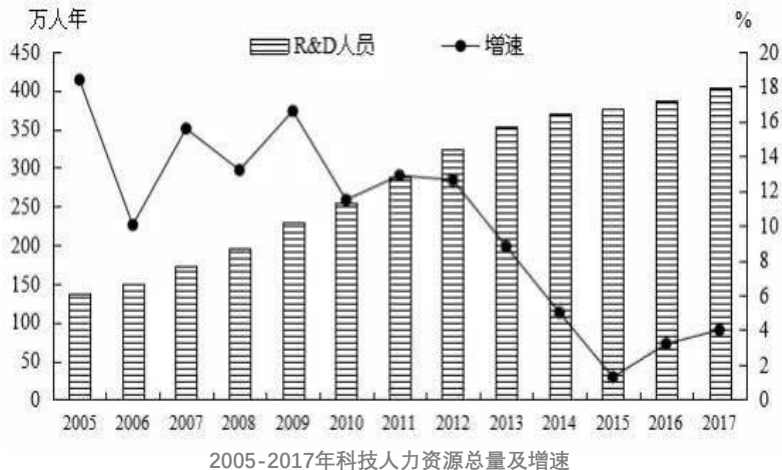
- 2019年全年研究与试验发展（R&D）经费支出**21737亿元**，比上年增长**10.5%**，与国内生产总值之比为2.19%，其中基础研究经费1209亿元。R&D expenditures for the whole year of 2019 were EUR€2638.87 billion, an increase of 10.5% over the previous year, and the ratio to GDP was 2.19%, of which basic research funding was 120.9 billion yuan
- 国家科技成果转化引导基金累计设立21支子基金，资金总规模**313亿元**。The National Science and Technology Achievement Transformation Guidance Fund has established a total of 21 sub-funds with a total capital of EUR€38 billion.
- 国家级科技企业孵化器**1177家**，国家备案众创空间**1888家**。1177 national technology business incubators, and 1888 national recordable makerspaces
- 2019年全年共签订技术合同**484077项**，成交额为**22398.4亿元**，比上年分别增长17.5%和26.6%，技术合同成交额首次突破2万亿元，创历史新高。
- Total amount of overseas and domestic patent application in 2019 increases by 1.3% from last year to **4.38 million cases**; **2.592 million cases** for certificated patent right, which increased by 5.9%; **61,000 cases** for PCT patent application.
- In 2016, the total volume of international scientific papers increased by **50.8%** from 2012, ranking second in the world. The citation rate of international scientific papers in 8 key areas ranked second.



全国技术合同成交金额及其占GDP的比重  
National technology contract transaction amount and its proportion in GDP (2006-2018)

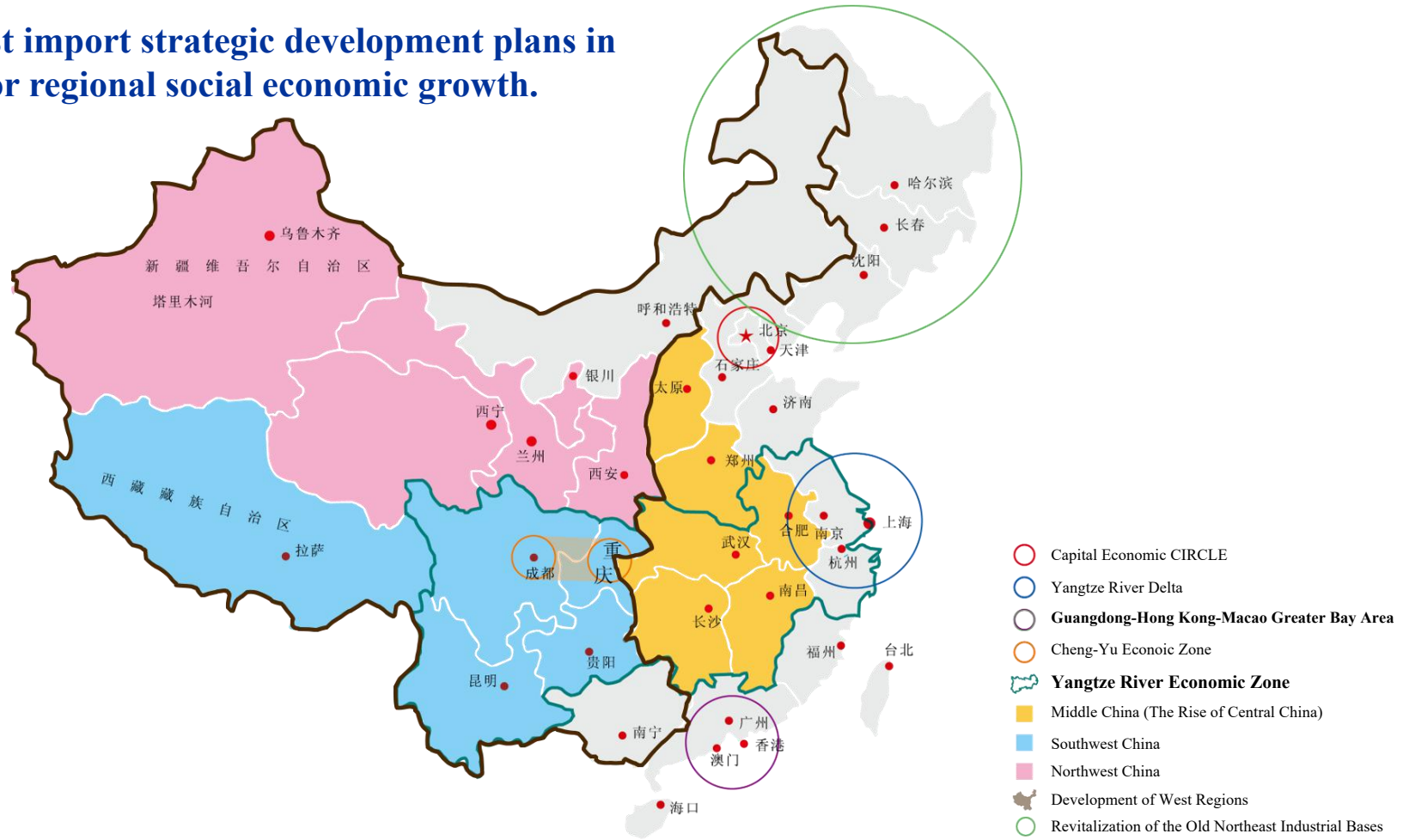
## Development of S&T Innovation in China

- 2017年我国科技人力资源总量达到**8705万人**，比上年增长4.9%。其中大学本科及以上学历的科技人力资源总量为**3934万人**，比上年增长7.1%。参与研发活动的人员总数为**621.4万人**，比上年增长6.6%。其按全时当量统计，2017年我国**R&D人员总量为403.4万人年**，比2016年增加15.6万人年，增速为4.0%，比上年提升了0.8个百分点。**R&D研究人员总量**持续增长，2017年达到**174.0万人年**，比2016年增加4.8万人年，增速为2.9%。
- In 2017, the total scientific and technological human resources in China reached 87.05 million, an increase of 4.9% over the previous year. The total number of human resources in science and technology with a bachelor degree or above was 39.34 million among those talents, an increase of 7.1% over the previous year.
- The total number of people participating in research and development activities was 6.214 million, an increase of 6.6% over the previous year. According to its full-time equivalent statistics, the total number of R&D personnel in my country in 2017 was 4.034 million per year, an increase of 156,000 person-years from 2016, and the growth rate was 4.0%, an increase of 0.8% from the previous year. The total number of R&D researchers continues to grow, reaching 1.740 million person per year in 2017, an increase of 48,000 person per year from 2016, at a growth rate of 2.9%.



- Countries and regions with the largest number of Chinese overseas student**

# The most important strategic development plans in China for regional social economic growth.



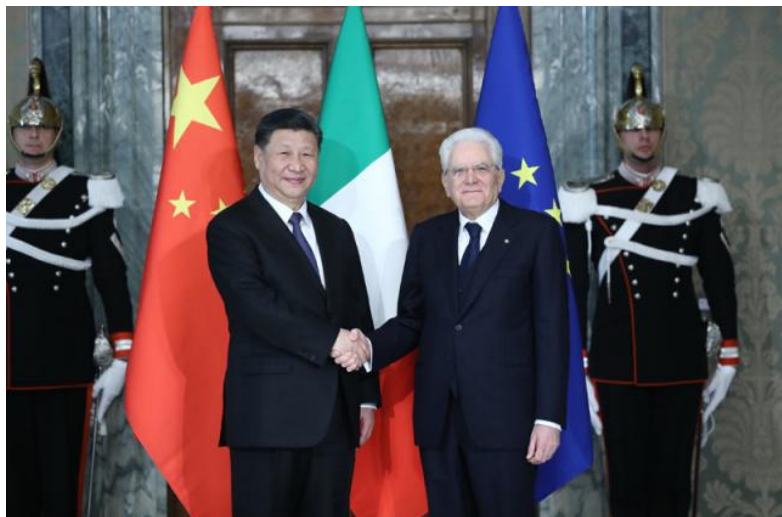
## Development of S&T Innovation in China

### Global Innovation Index 2019 rankings

Country/Economy	Score (0–100)	Rank	Income	Rank	Region	Rank	Median 33.86
Switzerland	67.24	1	HI	1	EUR	1	
Sweden	63.65	2	HI	2	EUR	2	
United States of America	61.73	3	HI	3	NAC	1	
Netherlands	61.44	4	HI	4	EUR	3	
United Kingdom	61.30	5	HI	5	EUR	4	
Finland	59.83	6	HI	6	EUR	5	
Denmark	58.44	7	HI	7	EUR	6	
Singapore	58.37	8	HI	8	SEAO	1	
Germany	58.19	9	HI	9	EUR	7	
Israel	57.43	10	HI	10	NAWA	1	
Republic of Korea	56.55	11	HI	11	SEAO	2	
Ireland	56.10	12	HI	12	EUR	8	
Hong Kong, China	55.54	13	HI	13	SEAO	3	
China	54.82	14	UM	1	SEAO	4	
Japan	54.68	15	HI	14	SEAO	5	
France	54.25	16	HI	15	EUR	9	
Canada	53.88	17	HI	16	NAC	2	
Luxembourg	53.47	18	HI	17	EUR	10	
Norway	51.87	19	HI	18	EUR	11	
Iceland	51.53	20	HI	19	EUR	12	



## 中欧政府间创新合作 中国-意大利 Innovation cooperate between China and EU government China-Italy



CHINA . ITALY

应意大利共和国总统马塔雷拉邀请，中华人民共和国主席习近平于2019年3月21日至24日对意大利进行国事访问。访问期间双方签署了19份政府间双边合作文件。

During Xi Jinping's state visit to Italy, the two sides signed 19 intergovernmental bilateral cooperation documents.

会后发表的中意联合公报中提到：

- 双方支持中国—欧盟全面战略伙伴关系，愿共同致力于深化中欧和平、增长、改革、文明四大伙伴关系。
- 双方支持全面落实《中意关于加强经贸、文化和科技合作的行动计划（2017-2020年）》，进一步推动环境与可持续能源、农业、可持续城镇化、卫生、航空、空间科技及应用、基础设施和交通等领域合作  
Cooperation in the fields of environment and sustainable energy, agriculture, sustainable urbanization, health, aviation, space technology and applications, infrastructure and transportation.
- 双方对《中意面向2020的科技创新合作战略规划》取得的进展表示满意，愿继续加强创新政策对话，在联合实验室和大型研究设施方面开展互利合作，加强两国科研人员、高端人才及初创企业间的交流合作，并考虑签署相关协议。

Carry out mutually beneficial cooperation in joint laboratories and large-scale research facilities to strengthen exchanges and cooperation between scientific researchers, high-end talents and start-up companies in the two countries

## 中欧政府间创新合作 中国-德国 Innovation cooperate between China and EU government China-Germany



2018年7月9日，国务院总理李克强在柏林总理府与德国总理默克尔共同主持第五轮中德政府磋商。本轮磋商重点达成以下成果：

Li Keqiang and Angela Merkel co-chaired the fifth round of Sino-German government consultations at the Berlin Chancellery

- 为推动中欧关系走向深入，中德两国政府强调继续落实《中欧合作2020战略规划》，深化互利共赢的中欧全面战略伙伴关系。
- 突出中德高科技合作、创新合作主题，强调要加强智能制造科技创新合作，促进中德自动网联驾驶领域利益攸关方合作

Strengthen cooperation in intelligent manufacturing technology innovation and promote cooperation between both countries.

- 双方对两国政府间科技合作协定签订40年来在各合作项目取得的成果表示满意。双方相信，高校、科研机构、科研促进中心和中介组织之间的合作具有特殊作用，应得到保护和促进

The special effect of cooperation between universities, scientific research institutions, scientific research promotion centers and intermediary organizations should be protected and promoted.

- 双方欢迎以“2+2”模式共同推动医用生物材料和针对交通轻量化编制技术领域中的中德研发项目

Promote Sino-German R&D projects in the field of medical biomaterials and lightweight preparation technology for transportation

- 在中欧互联互通平台基础上，寻求“一带一路”倡议与欧洲基础设施规划对接，探讨促进德方企业更好参与亚欧运输通道建设的路径。



## 中欧政府间创新合作 中国-欧盟

### Innovation cooperate between China and EU government

#### China-EU



第四次中欧创新合作对话于2019年4月9日在布鲁塞尔举行，对话由中国科学技术部部长王志刚和欧盟委员会科研与创新委员卡洛斯·莫达斯共同主持，李克强总理和欧盟委员会主席容克共同会见了出席的重要代表。

- 近年来，中欧科技合作水平不断提升，双方共同建立了科研创新联合资助机制，正在实施2018-2020年度中欧科研创新旗舰合作计划，并在农业食品、可持续城镇化、生物技术、民用航空等领域取得积极合作进展

Active cooperation progress has been made in agro-food, sustainable urbanization, biotechnology, civil aviation and other fields.

- 会上，双方就中国中长期科技发展规划（2021-2035）与欧盟“地平线欧洲”计划（2021-2027）、知识产权保护、中小企业创新、开放科学、标准化、科研伦理等科技规划和政策议题深入交换意见。

China's mid- and long-term science and technology development plan (2021-2035) and the EU "Horizon Europe" plan (2021-2027), IP protection, SME innovation, open science, standardization, ethics of scientific research

- 双方一致同意顺延中欧科技合作协定，联合制定面向未来的中欧科研创新合作路线图，进一步分享中欧创新合作良好实践，做好顶层设计，共促交流互鉴与合作。



# 2020 International Technology Trade Fair and Release on ZGC Forum

## ■ ZGC Fourm 2020

- ◆ **Time:** September 17th-September 19th, 2020
- ◆ **Location:** Beijing, China
- ◆ **Theme:** Enhancing cooperation and Innovation, & Overcoming Challenge
- ◆ **Organizations**

### Host:

- Ministry of Science and Technology
- Ministry of Education
- China Association for Science and Technology
- People's Government of Beijing Municipality

### Organizer:

- Administrative Committee of Zhongguancun Science Park
- China Centre for International Science and Technology Exchange

### Partners to be Invited:

- World Intellectual Property Organization
- United Nations Educational, Scientific and Cultural Organization (UNESCO)
- United Nations Conference on Trade and Development (UNCTAD)

- ◆ **Forms:** Combination of online and offline sessions & online platform support servcies

### ◆ Main Gaols

- Establishing a comprehensive platform for technology commercialization
- Establishing a Global Technical Alliance
- Publishing new high-end products
- Exploiting high-level technical projects at home and abraod
- Promoting cooperation and contract signing of technical projects
- Establishing mechanism for regular exchange and cooperation



# 2020 International Technology Trade Fair and Release on ZGC Forum

## Background

Founded in 2007, **ZGC Forum** with a permanent theme of "Innovation and Development", is positioned as a global, comprehensive, open and high-level international forum serving the National Innovation-Driven Development Strategy, focusing on sci-tech revolution, innovation and cooperation, and catering to innovation and entrepreneurship-related individuals and entities. The Forum is committed to building itself into a platform for the exchange of global innovative ideas and thoughts, a leading platform for the development of new technologies and industries, and a platform for the release and trading of new technologies and products at home and abroad. So far, it has been held for 11 sessions successfully.

### Previous VIPs (incomplete list)

#### Scholars

- James Mirrlees, the recipient of the Nobel Memorial Prize in Economic Sciences
- Butler W. Lampson, the recipient of the Turing Award
- Edvard Moser, the recipient of the Nobel Prize in Physiology or Medicine
- Shing-tung Yau, Fields medalist and Professor at Harvard University

#### Business Leaders

- Robin Li, Founder, Chairman & CEO of Baidu
- Jean Michel Hessel, President of the New York Stock Exchange
- Kai-Fu Lee, Founder and CEO of Sinovation Ventures
- Lei Jun, Chairman of Xiaomi Technology

#### Politicians

- Wang Zhigang, Minister of Science and Technology of China
- Wan Gang, then Vice Chairman of the Chinese People's Political Consultative Conference (CPPCC) and Minister of Science and Technology of China
- Huai Jinpeng, Secretary of the Party Leadership Group, Executive Vice Chairman and First Secretary of the Secretariat of the China Association for Science and Technology
- Cai Qi, Secretary of the CPC Beijing Municipal Committee

At the opening ceremony of the **ZGC Forum 2019**, **President Xi Jinping sent a congratulatory letter to the forum**, stressing that Zhongguancun is striving to build into the world's leading sci-tech park. It is of great significance to hold the ZGC Forum with a view to discussing the development trend of cutting-edge sci-tech and future industries, exploring global innovation rules and innovative governance, and promoting countries to share global innovative ideas and development concepts.



# 2020 International Technology Trade Fair and Release on ZGC Forum

**As a new event of 2020 ZGC Forum, the International Technology Trade Fair and Release on ZGC Forum will hold 10+ sessions, with the aim of converging resources and establishing a platform, covering excellent projects, technologies, capitals, talents and other innovative elements.**

The event intends to build itself as an internationally influential technology commercialization event, with setting up a comprehensive technology commercialization service platform, establishing the Network for Cross-Border Cooperation on Technology Commercialization, launching a batch of high-end products, sorting out a range of high-level projects, promoting a batch of cooperation agreements and forming a series of regularized cooperation mechanisms.

## *Event Calendar Preview*

Time	Event Description	
September 17 <sup>th</sup>	14:00-16:30	Opening Ceremony for 2020 International Technology Trade Fair and Release on ZGC Forum
September 18 <sup>th</sup>	09:30-17:00	Innovation and Cooperation Conference of 10 Well-known Pyrotechnical Universities and Institutes of Technology & Key Technology Roadshow and Release
	14:00-17:00	One Hundred Best Industrial Innovations for International Technology Transfer Matching Session
September 19 <sup>th</sup>	14:00-17:00	China-EU 5G Innovation & Cooperation of Industrial Innovations in Digital Economy
	14:00-17:00	Sino-British Industrial Innovation in AI for International Technology Cooperation



### AI and High-tech Manufacturing

deep learning/machine learning, natural language processing, computer & image recognition, gesture recognition, virtual personal assistant, intelligent robot, recommendation engine and collaborative filtering, context-aware computation, voice translation, video content identification, drones, 3D Printing, unmanned driving, virtual reality, intelligent logistics, smart home, etc.



### New Energy, Sustainable Development and Green Innovation

waste management, environment monitoring, air pollution protection, soil remediation, water environment treatment, energy conservation, new energy utilization, intelligent transportation, ecological agriculture, etc



### Biotechnology and Health-related Innovations

biomedicine, biotherapy, bioinstrumentation, medical equipment, health care, health management, health products, etc



### Smart Transportation and Information Technology (ICT)

internet of vehicles, share-able transportation, traffic monitoring, electronic police and bayonet, traffic signal control, intelligent parking, passive safety, satellite application, chip technology, internet of things (IoT), optical communication, 5G, etc



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# 2020 International Technology Trade Fair and Release on ZGC Forum

## —One Hundred Best Industrial Innovations for International Technology Transfer

### Schedule:

#### Application

We will organize **2000+** online technology submissions



#### First Round

Within this phase, experts will assess and select **800** technologies for the next round

#### Second Round

Experts will assign each technology into four major categories and select 30 technologies from each category (a total of **120**) to enter the final round

#### Sept 3rd - Sept 7th

#### Final Round

The top 30 technologies in each field will be comprehensively evaluated and scored by high-level experts. The 120 technologies will be ranked, and finally **100** technologies will be selected for the Best 100.

#### Release of **Best 100**

Results will be announced on “One Hundred Best Industrial Innovations for International Technology Transfer Matching Session”

Sept 18th



### Evaluation Criteria ——

“6”Ability

“6+1”

#### “1” : Technological innovation

The breakthrough, impact, level of industrialization process and productization of the innovative technologies/products/services

- ✓ **Attend-ability:** Suppliers of innovative tech projects have the willingness, availability, and appropriate representative to participate in online roadshows, which is designed at achieving international technology transaction and promoting cooperation.
- ✓ **Transformability:** Participants in the online roadshow should aim for greater international transaction, more forms of innovative technology cooperation, and higher commercial values with clear prospect of market and industrial application.
- ✓ **Transferability:** Through international technology commercialization and technological industrialization, the supplier are able to transfer the technology to the cooperative partners of the development of the project industrialization.
- ✓ **Tradability:** The technology projects should have features such as definite price that meet the requirement to execute technology transaction and have explicit ideas of industrial cooperation model based on equality and mutual benefits.
- ✓ **Cross-border Tradability:** Between countries where suppliers and demanders are located, there is no barrier to carry out cross-border international technology commercialization and cooperation.
- ✓ **Practicability:** The project teams should have the intention to cooperate and to implement industrialization of their technology in the future.



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# 2020 International Technology Trade Fair and Release on ZGC Forum

## —One Hundred Best Industrial Innovations for International Technology Transfer

### *We are looking for:*

#### ■ Outstanding technologies in 4 key fields

- AI and High-tech Manufacturing
- Biotechnology and Health-related Innovations
- New Energy, Sustainable Development and Green Innovation
- Smart Transportation and Info-communication Technology

#### ■ Expert Jury

Experts and scholars in 4 related fields, as well as professional experts in entrepreneurship, investment and investment attraction, will be invited as judges.

**Application Website:** [bestITC.ittn.com.cn](http://bestITC.ittn.com.cn)

**Application Deadline:** August 14, 2020

### *Top 100 Technologies will have opportunity to access:*

ZGC Forum 2020 –  
First launch of new  
products and  
technologies

Media coverage by  
Beijing TV, Stdaily, Sina  
Weibo, Toutiao and other  
medias

Priority to apply the  
"1+4" Zhongguancun  
Demonstration Zone  
government funding

Free recommendation to  
participate in  
Zhongguancun-related  
exhibitions and activities

New technologies and  
products recognized by the  
government and benefits  
from governmental  
procurement and  
promotional activities

Priority to participate  
project roadshows,  
capital matchmaking, and  
supply and demand  
matching organized by  
ZGC





# 2020 International Technology Trade Fair and Release on ZGC Forum

## —Zhongguancun Network for Cross-Border Cooperation on Technology Commercialization (ZACT)

**Time:** During the opening ceremony of 2020 International Technology Trade Fair and Release on ZGC Forum .

### WHAT is the Zhongguancun Network for Cross-Border Cooperation on Technology Commercialization (ZACT)?

It is a cooperation alliance that unites the world's professional institutions, organizations, enterprises and talents that are aiming at promoting cross-border technology commercialization, industrialization of new technologies, cooperation, and mutual development

### WHY important?

It will play the important role to bring influential global technology commercialization institutions and leading technologies together, promote cross-border technology transactions and the industrialization of innovative technologies, and stimulate high-quality growth in innovation-driven economies.

### ◆ Purposes

- To build communication platforms and to establish long-term cooperation mechanisms;
- To strengthen the bond between talents and industries, and to deepen cross-border cooperation;
- To make technology commercialization more standardized, market-oriented and internationalized.

### ◆ Core Missions

- Accelerating the progress of technology commercialization, transformation and application;
- Building a global perspective and connecting the resources of all parties
- Coordinating resource allocation and building an ecosystem for technology commercialization;
- Improving the ability of relevant organizations and personnel;
- Promote cross-border cooperation and seeking for mutual development.



# 2020 International Technology Trade Fair and Release on ZGC Forum

## —Zhongguancun Network for Cross-Border Cooperation on Technology Commercialization (ZACT)

### ◆ Collaboration Mechanism→ Four Dimensions

- **Key areas:** artificial intelligence and intelligent manufacturing, biotechnology and health, energy conservation and environmental protection and green innovation, smart transportation and information communication, etc.
- **Key elements:** intellectual property, venture capital, accelerated incubation, science and technology park, etc.
- Collaboration of technology transfer managers: setting up an“ International Technology Transfer Manager Collaboration Network”.
- International technology transfer strategy research and talents training: forming the "International Technology Transfer Strategy Research and Talent Training Expert Committee“.
- **Form of Organization:** Building a collaborative network by field

### ◆ Priority Works

- Assisting 2020 International Technology Trade Fair and Release on ZGC Forum;
- Organizing the selection of “Top 100 High-Tech Industrial Technologies”;
- Promoting international mutual certification and recognition of technology commercialization training systems;
- Promoting the establishment of a standard system for technology commercialization and transfer;
- Promoting the development of international science and technology related concepts and models;
- Planning thematic and professional exchange projects in groups every year.

### ◆ Membership & Recruiting Range

**Institutions:** International technology exchange promotion platforms; Technology providers; Technology demand-side institutions; Third-party service organization.

**Individuals:** Individual Members



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# 2020 International Technology Trade Fair and Release on ZGC Forum

## —Innovation and Cooperation Dialogue of 10 Well-known Pyrotechnical Universities and Institutions of Technology & Key Technology Roadshows and Release

■ **Time:** September 19th,2020 (Morning 9:00-11:30, Afternoon14:00-17:00 )

■ **Introduction**

The session will be hosted by the Ministry of Education's Science and Technology Department, the Ministry of Education's Science and Technology Development Center, the Zhongguancun Science Park Management Committee, and organized by the International Technology Transfer Collaboration Network (ITTN). During the session, a number of major scientific and technological achievements by well-known domestic and foreign universities will be introduced. Outstanding science and technology projects of well-known foreign universities and colleges participate in the online roadshow, aiming to strengthen the cooperation between domestic and foreign universities, scientific research institutions and technology-based enterprises, guide enterprises, scientific research institutions and universities to carry out joint innovation and industrialization cooperation, and strengthen innovation Talent team to accelerate the transfer of technology and achievements.

■ **Agenda**

		Leaders Address	
Morning		Case introduction of successful transformation of scientific and technological achievements in universities by transfer	
		Case introduction of successful transformation of scientific and technological achievements in universities by licensing	
		Case introduction of successful transformation of scientific and technological achievements in universities by value investment	
		Experience Sharing of Technology Transfer Institutions in Universities	
		Communication	
			Leaders Address
Afternoon			Roadshow and communication docking for key achievements in the field of artificial intelligence and intelligent manufacturing (each one for domestic and foreign university project)
			Roadshow and communication docking for the promotion of key achievements in the field of biotechnology and general health (each one for domestic and foreign university project)
			Roadshow and communication docking for key achievements in energy conservation, environmental protection and green innovation (each one for domestic and foreign university project)
			Roadshow and communication docking for key achievements in the field of smart transportation and information communication (each one for domestic and foreign university project)
			Summary



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## 2020 International Technology Trade Fair and Release on ZGC Forum —Innovation and Cooperation Dialogue of 10 Well-known Pyrotechnical Universities and Institutions of Technology & Key Technology Roadshows and Release

### ■ Target

The session will focus on the four key areas of - "AI and High-tech Manufacturing", "Biotechnology and Health-related Innovations", "New Energy, Sustainable Development and Green Innovations", "Smart Transportation and ICT." and collect 100 key scientific and technological achievements in various fields of domestic and foreign science and technology institutions. It will be evaluated by the relevant experts, technology transfer experts, international cooperation experts, and investment agency experts, and select 1 domestic and foreign in each field and a total of 8 projects for roadshow. The remaining projects were divided into different areas for video promotion and release.

### ■ Pre-Conference seminar

In order to strengthen the exchange and cooperation between domestic and foreign universities and innovation institutions, realize the integration of talents, funds and academic ideas, promote the commercialization of scientific and technological achievements, and achieve significant development of regional innovation capabilities. Before the session, two online conference will be organized for universities and innovation institutions in Asia, Europe and Asia Pacific region.

#### Asia-EU University Online Conference on Industrial Innovation Cooperation in Sustainable Development and Green Innovation

Time: August 25th - August 31st

Main topics:

- Green industry technological innovation leads sustainable development
- The development and trends of green innovation frontier technology
- Practices of sustainable development and green innovation in Asian and European universities
- Exploring the Cooperation Path of University Science and Technology Innovation and Industrialization

#### Asia-Pacific Region University Technology Exchange and Innovation Technology Commercial Value Transformation International Cooperation Cloud Forum

Time: September 2nd - September 8th

Main topics:

- Promote the transfer of scientific and technological achievements, and deepen innovation cooperation in the Asia-Pacific region
- Success of University Science and Technology Innovation Development and International Cooperation Practice
- Construction of Scientific and Technological Achievement Transformation Platform and Innovation Ecosystem in Asia-Pacific region
- International technology transfer professional training fosters regional innovation and development



# 2020 International Technology Trade Fair and Release on ZGC Forum —China-EU 5G Innovation & Cooperation of Industrial Innovations in Digital Economy

## ■ Introduction

This session is hosted by the Zhongguancun Science Park Management Committee and organized by the International Technology Transfer Network (ITTN). During the session, a batch of international cutting-edge technological achievements in the field of digital economy and 5G will be released. The key international outstanding technological innovation projects among them will be invited to participate in the online roadshow. The session aims at further promoting 5G innovative technologies in relevant industries and applications in China, contributing to the high-quality development of the real economy and seeking win-win cooperation.

## ■ Agenda

Time: September 19th, 2020 Afternoon 14:00—17:00 Form: Combination of Online and Offline Sessions

14:00-14:20	Leaders Address 1) Leader from Zhongguancun Science Park Management Committee (To be recommended) 2) Domestic senior think tank expert in the field of digital economy and 5G (To be recommended) 3) Foreign senior think tank experts in the field of digital economy and 5G (To be recommended)	Trade Conference
14:20-16:50	Promotion of outstanding projects in digital economy from EU (3 parts) Roadshow of outstanding projects in digital economy from EU (9 projects)	
16:50-17:00	3. Conclusion	

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## 2020 International Technology Trade Fair and Release on ZGC Forum —China-EU 5G Innovation & Cooperation of Industrial Innovations in Digital Economy

### ■ Target

A total of 50 outstanding projects in digital economy from EU will be released in the session. It is planned to select 9 projects for online roadshows, and the remaining projects will be released in video. Additionally, domestic experts are invited to question and comment on the project. During the event, online one-on-one communication with representatives of Chinese participating enterprises and innovation carriers will be arranged.

### ■ Pre-Conference seminar

To promote [China-EU 5G Innovation & Cooperation of Industrial Innovations in Digital Economy](#), One Hundred Best Industrial Innovations for International Technology Transfer Matching Session, and the recruitment of relevant European institute in the field of SME to join the cross-border technology exchange and cooperation platform—Zhongguancun Network for Cross-Border Cooperation on Technology Commercialization. Before the session, an online conference will be organized for relevant institutes in EU.

### China-EU Online Conference on Digital Economy and Cooperation of Innovation and Entrepreneurship for Small and Medium Enterprises

Time: July 20th—July 26th

The Forms of Conference : Online Conference

#### Main Topics

- The Development of digital economy—China and the World
- Cross-border cooperation in innovation and entrepreneurship of SME in digital economy age
- Promote the construction of specialized platform for cross-border innovation and cooperation among SME



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## 2020 International Technology Trade Fair and Release on ZGC Forum —Sino-British Industrial Innovations in AI for International Technology Cooperation

**Time:** 14:00-17:00, September 18th, 2020

**Location:** Conference Center, Zhongguancun Exhibition Center (offline expected 50 participants)

### ■ Introduction

Artificial intelligence is a cutting-edge and strategic technology that leads the future. It is reshaping the development model of traditional industries and restructuring the entire innovative landscape and economic structure. The United Kingdom has always attached great importance to scientific research and development, and has a good foundation in the field of AI. China has also developed very rapidly in this field. Especially the researches of computer robots and drones have been ranked in the forefront of the world.

It is planned to hold the “Sino-British Industrial Innovations in AI for International Technology Cooperation” online and offline combined, release a batch of British AI innovations, and invite key international outstanding scientific and technological innovation projects to participate in the online roadshow, aiming to further strengthen the industrial innovation cooperation between the two countries in this field, strive to reach some results of technology commercialization, and seek win-win cooperation.

### ■ Target

This event will specifically focus on the cooperation between China and the UK in the field of AI. Topics related to the necessity of cooperation between the two countries, the development trend in the field of AI, discussion on specific cooperation direction, the appeal of international collaboration, etc. After solicitation, combing, expert evaluation, screening, etc., all projects are divided into 3 groups, and 50 British AI outstanding projects will be released through video promotion during the event. It is preferred to select 9 projects for a 10-minute online roadshow, and specially invited Chinese experts to ask questions and comment on the project for 5 minutes. At the same time, Chinese participants and online representatives of innovation carriers will communicate one-on-one.

### ■ Agenda

14:00-14:20	leader's speech	Business negotiation
14:20-14:25	Part 1: Promotion of outstanding projects in the field of AI	
14:25-15:10	Roadshows for outstanding projects (3 projects in the field of AI were conducted for a 10-minute roadshow and 5 minutes for expert reviews and communication)	
15:10-15:15	Part 2: Promotion of outstanding projects in the field of AI	
15:15-16:00	Project Roadshow (3 projects)	
16:00-16:05	Part 3: Promotion of outstanding projects in the field of AI	
16:05-16:50	Project Roadshow (3 projects)	
16:50-17:00	Conclusion	



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# 2020 International Technology Trade Fair and Release on ZGC Forum

## —Sino-British Industrial Innovations in AI for International Technology Cooperation

### ■ Pre-Conference seminar

It is planned to hold an online cooperation seminar as a pre-meeting preparatory meeting for the theme activities of Sino-British artificial intelligence industry innovation cooperation. The seminar will unite with the CAAI(Chinese Association for Artificial Intelligence), Zhongguancun Digital & Artificial Intelligence Industry Alliance and Pitch@Palace China, and experts and demonstration projects will be organized to conduct discussions on related topics. Relevant information on the Zhongguancun Forum will also be released at the same time.

### Online Cooperation Seminar With Pitch@Palace China on Sino-British Technology Trade & AI and ICT Innovations Transformation

**Time:** August 3rd (Monday) – August 9th (Sunday), 2020

#### Main topics:

##### Topic 1: Challenges and Opportunities for Sino-British Innovation Cooperation in AI and ICT

- Facing the new industrial revolution, all countries are actively taking actions to jointly meet development opportunities. In order to promote SMEs to benefit from this situation, it is necessary to strengthen communication, coordination and related research in various fields. Since the Covid-19, the role of new infrastructure construction represented by 5G, artificial intelligence, and IoTs has become prominent. Making good use of it can better promote economic transformation and upgrading. Based on the above background, this topic will focus on the digital economy to promote inclusive development; digital technology and industry integration; new infrastructure construction; cyberspace security challenges; cross-border cooperation in the transformation of innovative technological achievements.

##### Topic 2: The development trend of cutting-edge innovative technologies in AI and ICT and the cross-border integration in the process of technology commercialization

- This topic will focus on the topic of AI and intelligent manufacturing (machine learning, natural language processing, virtual personal assistants, virtual personal assistants, smart homes, etc.) & smart transportation and information communication (mobile shared transportation, electronic police and bayonet, satellite Applications, IoTs, 5G, etc.).

##### Topic 3: Promote the construction of a specialized platform for cross-border innovation and cooperation among SMEs

- This topic will discuss in sub-topics on the background of new industrial revolution, how governments, platform leaders and SMEs of various countries can work together to innovate and achieve economic growth.

#### Agenda:

14:00-14:30	leader's speech
14:30-15:10	Topic 1: Challenges and Opportunities for Sino-British Innovation Cooperation in AI and ICT
15:10-15:50	Topic 2: The development trend of cutting-edge innovative technologies in AI and ICT and the cross-border integration in the process of technology commercialization
15:50-16:30	Topic 3: Promote the construction of a specialized platform for cross-border innovation and cooperation among SMEs
16:30-16:50	2020 International Technology Trade Fair and Release on ZGC Forum Key Cooperation Projects Release
16:50-17:00	Conclusion