



中华人民共和国科学技术部

Ministry of Science and Technology of the People's Republic of China



CHINA S&T NEWSLETTER

No.16 2019

Contents

The exciting 70 years ushers a new era for China

--Achievements accomplished on the 70th anniversary of the founding of the People's Republic of China



China's Eye of Heaven--FAST, the 500-meter aperture spherical radio telescope

The exciting 70 years ushers a new era for China

--Achievements accomplished on the 70th anniversary of the founding of the People's Republic of China

2019 marks the 70th anniversary of the founding of the People's Republic of China. In seven decades, China has gone through an extraordinary journey and forged ahead with phenomenal progress. This is exciting, momentous success whether in the history of the Chinese nation or even the world.

This issue looks at China's great economic and social achievements over the past 7 decades in comprehensive national strength, industrial structure, basic industries and infrastructure, science, education and social programs, and people's life.

A tremendous transformation in China's economic and social development over the past 7 decades since the founding of the People's Republic of China (1)

Historical leaps in comprehensive national strength

On July 1, 2019, National Bureau of Statistics of China (NBS) published the first of a series of reports on China's economic and social achievements since the founding of the People's Republic of China

Sustained and rapid economic growth calculated at constant prices

In 2018

China's GDP grew 175-fold over 1952 ▲ 8.1%

GNI per capita \$9,732 higher than the average level of middle-income countries



Improved financial strength and significant increase in foreign exchange reserves

1951: — 2018

National fiscal revenue ▲ 12.5%

1979-2018

▲ 13.6%

By the end of 2018

Balance of foreign exchange reserves ¥ 3.0727 trillion

World's No.1 for 13 consecutive years

Higher urbanization level

By the end of 2018, China:

Urbanization rate of permanent residents 59.6% up 41.7% over the end of 1978

Urbanization rate of registered residents 43.4% up 8% over the end of 2012



1949 — 2018

number of cities from 132 to 672

▲ annual average growth

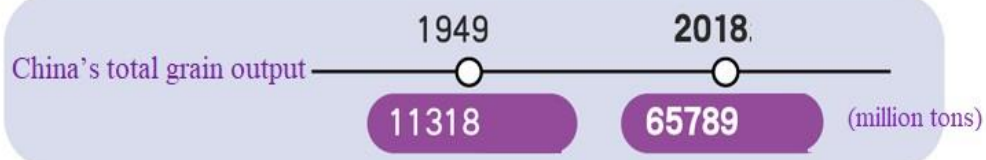
A tremendous transformation in China's economic and social development over the past 7 decades since the founding of the People's Republic of China (2)

— Sustained upgrading of industrial structure

On July 1, 2019, National Bureau of Statistics of China (NBS) published the first of a series of reports on China's economic and social achievements since the founding of the People's Republic of China

The past 7 decades has seen a more balanced ratio of primary, secondary and tertiary industries and more comprehensive, coordinated and sustainable economic growth.

The report shows ever-improving agricultural production conditions and accelerating comprehensive productivity.



China has all the industry categories covered in the UN industry classification system.

- The production of more than 200 kinds of industrial products ranks the world's No.1.
- The added value of manufacturing industry has been the world's No.1 since 2010.

China	2018	increase over 1949
● Raw coal production	3.68 billion tons	114 -fold
● Steel production	1.11 billion tons	8503 -fold
● Cement production	2.21 billion tons	3344 -fold

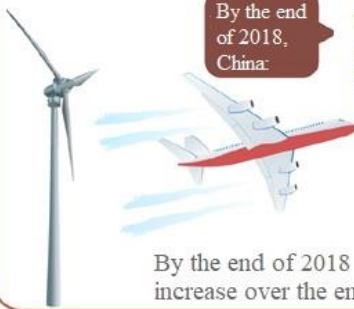
- In 2018, the added value of tertiary industry was ¥ 46.9575 trillion, a 51-fold growth in real terms over 1978. The annual average growth was 10.4%.

A tremendous transformation in China's economic and social development over the past 7 decades since the founding of the People's Republic of China (3)

A big leap in basic industries and infrastructure

On July 1, 2019, National Bureau of Statistics of China (NBS) published the first of a series of reports on China's economic and social achievements since the founding of the People's Republic of China

Remarkable achievements in transportation



By the end of 2018, China:

Railway line in operation was 131,000 km, a five-fold increase over the end of 1949.

High-speed railway 29,000 km over 60% of the world's total
Highway 4.85 million km 59-fold increase

Length of regular airline routes 8.39 million km 734-fold increase over the end of 1950

Substantial rise in energy supply capabilities

By the end of 2018 installed generating capacity nationwide 1.9 billion KW 32.3-fold increase over the end of 1978

A tremendous transformation in China's economic and social development over the past 7 decades since the founding of the People's Republic of China (4)

Flourishing science, education and social programs

On July 1, 2019, National Bureau of Statistics of China (NBS) published the first of a series of reports on China's economic and social achievements since the founding of the People's Republic of China

The report shows notable enhancement of S&T and flourishing key achievements

In 2018: gross expenditure on R&D (GERD)

¥ 1.9657 trillion

55.4-fold increase over 1995



2.18% of GDP
up 1.61% over 1995
higher than the average level of the first 15 EU member countries



Since 2013, China has been the world's second biggest spender on R&D.

The number of R&D personnel has been the world's No.1 for 6 consecutive years.

Invention patent applications have been the world's No.1 for 8 consecutive years.

The report points out that access to education is greatly improved and ranks among medium-to-top level in the world.

In 2018, the number of college students was 28.31 million, a 32-fold increase over 1978.

The length of schooling received by 15-year-olds and above has risen from 5.3 years in 1982 to 9.6 years today.

The report also shows considerable progress in medical care and steady improvement in public health



- The life expectancy of residents increased from 35 years at the beginning of the founding of the People's Republic of China to 77 years in 2018.
- Infant mortality rate fell from 200‰ at the beginning of the founding of the People's Republic of China to 6.1‰ in 2018.
- The health of residents as a whole is better than the average of middle-to-high-income countries.

A tremendous transformation in China's economic and social development over the past 7 decades since the founding of the People's Republic of China (5)

Transformative changes in people's life

On July 1, 2019, National Bureau of Statistics of China (NBS) published the first of a series of reports on China's economic and social achievements since the founding of the People's Republic of China

Ever-increasing job opportunities and better employment structure

By the end of 2018, China's number of employment grew to 77,586.

The employees in the secondary industry accounted for 27.6% of the total, up 20.2% over the end of 1952.

The employees in the tertiary industry took up 46.3%, up 37.2% over the end of 1952



Steady increase in residents' income and ever-rising consumption level

In 2018, the per capita disposable income of the residents was ¥ 28,228, a 24.3-fold increase over 1978.

The per capita spending of the residents was ¥ 19,853, a 19.2-fold growth over 1978.



(Source: Xinhua News Agency)