

# The State's medium- and long-range scientific and technological development programme in China

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# 1.The Background

- ◆ Since 1949, 7 national S&T development plans to deploy the strategies for the medium- and the long run projects of S&T have been successively formulated
- ◆ The new goal of establishing a well-off society in an all-round way in 2020.

## 2.The working process

- ◆ Since 2003, under the leadership of National Planning Team, in which, Premier Wen Jiabao is the team leader, China has organized nearly 2000 scientists, economists, socialists and entrepreneurs to conduct the strategic planning

### 3. A strategic choice for the future development of China

- ◆ Establishing an innovation-oriented nation is a strategic choice for the future development of China.
- ◆ In the past 50 years, many countries took different roads in realizing industrialization and modernization. Some countries regarded S&T and innovation as the basic strategy and enhanced considerably the intensity of indigenous innovation, which then formed ever growing competitive advantage. Development experience of such countries is a lesson to China.

# A strategic choice for the future development of China

- ◆ To realize the goal of building a well-off society in an all-round way, then the economic growth rate must be consecutively over 7% for 40 years from 1980 to 2020, which means that even if the investment rate is maintained at 40% in recent years, the contribution rate of S&T progress must reach 60%, which will be 20% higher than the current level.
- ◆ China will face greater pressure than other countries, because of bottlenecks like large population, scarce resource and energy and deteriorating environment.

## 4. The road of innovation- oriented development of China

- ◆ To push the economic growth to change fundamentally from factor-driven to innovation-driven,
- ◆ To turn S&T and innovation into inner motivation for economic and social development as well as universal behavior of the whole society.
- ◆ Institutional and S&T innovation will help the economy and society to achieve a sustainable and harmonious development. All these together will provide strong S&T support for building a well-off society in an all-round way.

## 5. The guiding concepts on future S&T development

- ◆ Highlighting indigenous innovation
- ◆ Realizing breakthroughs in key fields
- ◆ Supporting development
- ◆ Guiding into the future

## 6. The goals of China's future S&T development

- ◆ Considerably enhance the ability of S&T in promoting economic and social development; considerably enhance the comprehensive intensity in basic science and leading technological research; considerably enhance the S&T intensity in national defense; achieve a batch of S&T achievements with significant influence in the world; become an innovation-oriented nation; provide strong support for the establishment of a well-off society in an all-round way.



## 7.The focuses of the future Technology development

- ◆ Give priority to development of energy, water resource and environmental protection technologies
- ◆ Considerably improve the international competitiveness of China's information industry
- ◆ Considerably increase supporting strength in R&D and application of biotechnology
- ◆ Improve indigenous innovation capability in major equipment and product manufacturing
- ◆ develop city and urbanization technology, modern comprehensive transport technology,

## 8.Improve the ability of sustainable innovation

- ◆ Steadily develop basic disciplines, attach importance and focus on interdisciplinary subjects.
- ◆ Cutting edge high-tech research must be deployed ahead of others, grasped correctly and supported intensively. Important fields include information technology, biology, new material technology, advanced manufacture technology and advanced energy technology.

## 9. Construction of national innovation system

- ◆ Accelerate establishment of new type of national technology innovation system
- ◆ Focus on construction of technology innovation system where enterprise is the core.
- ◆ By reinforcing the platform construction to facilitate national public S&T

# Thank You

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