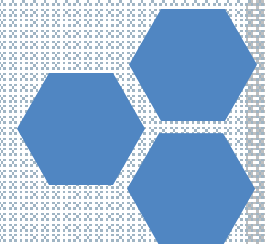




# Independent Innovation & International Cooperation

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## Independent Innovation - The Only Choice for the Future

### ✓ Summary of 30 years of Reform and Opening-up

Achievements: Continued rapid economic development  
Continually improving living standards  
Enhanced overall national strength

Problems: Low industrial levels  
Irrational economic structure  
Unsustainable economic development

Options: Strengthen independent innovation,  
Promote transformation of economic development patterns,  
Build an innovation-oriented country

# Independent Innovation - The Only Choice for the Future

- ✓ Outline of the National Program for Medium to Long-term Scientific and Technological Development (2006 - 2020)

The 3 Connotations of Independent Innovation

The 16 Major National Science & Technology Projects

Priority Areas for Development - new energy sources etc

Relevant Policies and Measures

# Independent Innovation - The Only Choice for the Future

## ✓ Major Policies and Measures

- Financial: 973 Program (for national basic research), 863 Program (for national hi-tech research), and National Science & Technology Pillar Program  
Innovation Fund for Small and Medium S&T Businesses
- Taxation: High-tech Enterprises  
R&D Investment
- Bases: Laboratories, engineering centers and large science facilities
- Transformations: Innovation centers, university science parks and hi-tech industrial parks technical innovation project

## Seek Innovation in Opening-up - International Cooperation

- ✓ Attach great importance to international cooperation in science and technology

Science and technology cooperative relationships established with 152 countries and regions

Science and technology diplomats sent to 45 countries and regions

Inter-governmental science and technology cooperation agreements signed with 97 countries

350 international science and academic organizations joined

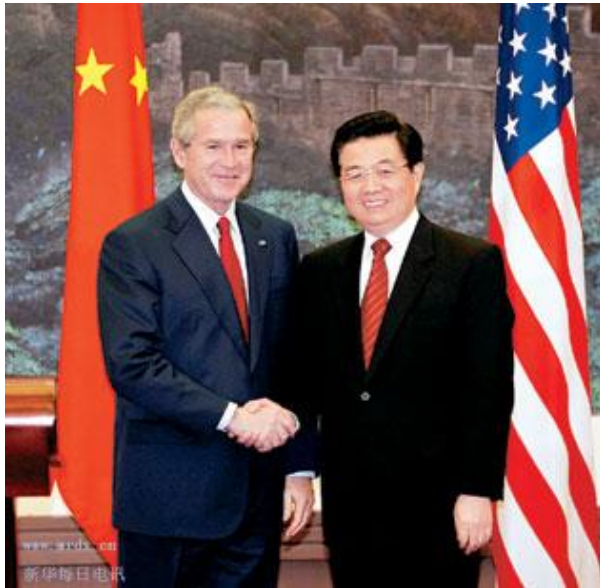
265 Chinese scientists holding posts in various international organizations

Participated in HGP, ITER and European Galileo Program

## Seek Innovation in Opening-up - International Cooperation

**Sino-US cooperation has always  
been our key focus**

On Jan. 31st, 1979, Sino-US Agreement on  
Cooperation in Science and Technology  
was signed



The above agreement was extended  
another 5 years during President Hu  
Jintao's visit to US in April, 2006

## Seek Innovation in Opening-up - International Cooperation

- ✓ Within the framework set by the Agreement,
  - Almost 50 cooperation protocols were signed
  - Cooperative areas cover energy resources, environment, agriculture, basic science, among others
  - Sino-US Scientific and Technological Personnel Exchange Program successfully implemented
  - In Nov. 2009, Protocol on Sino-US Joint Research Center for Clean Energy was signed. The first time that both sides co-financed the joint research
- ✓ President Obama spoke highly of science and technology cooperation between the two countries



✓ **Existing Problems in Sino-US S&T Cooperation**

Insufficient funding

Restrictions on hi-tech exports to China

Visa problems for Chinese hi-tech personnel visiting US

✓ **Looking forward to the further development of Sino-US S&T cooperation**





# Building the 21st Century: U.S. - China Cooperation on Science, Technology, and Innovation

May 18, 2010  
Washington, DC

**THE NATIONAL ACADEMIES**  
*Advisers to the Nation on Science, Engineering, and Medicine*