



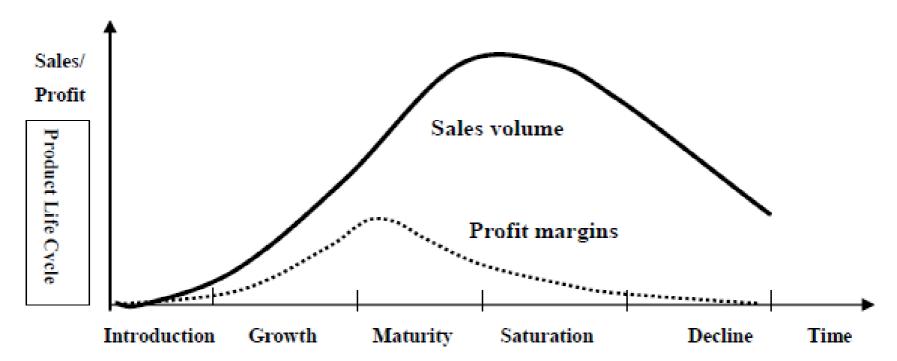
New Trend of Cooperation between Industry and Research in China

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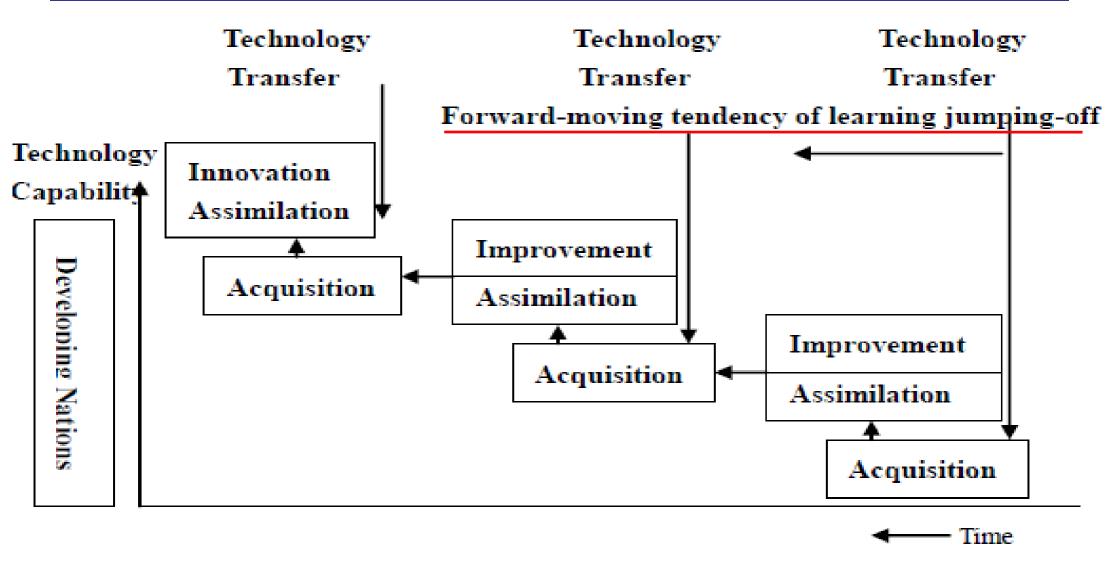


I. Cooperation Pattern Is Changing

- Interface From decline stage moving to maturity, growth stage
- From production technology moving to labs' technology
- From simple technology moving to complex product technology.
- From technology transfer moving to Innovation Entrepreneurship
- From Joint Technology Development moving to Innovation Capacity-building

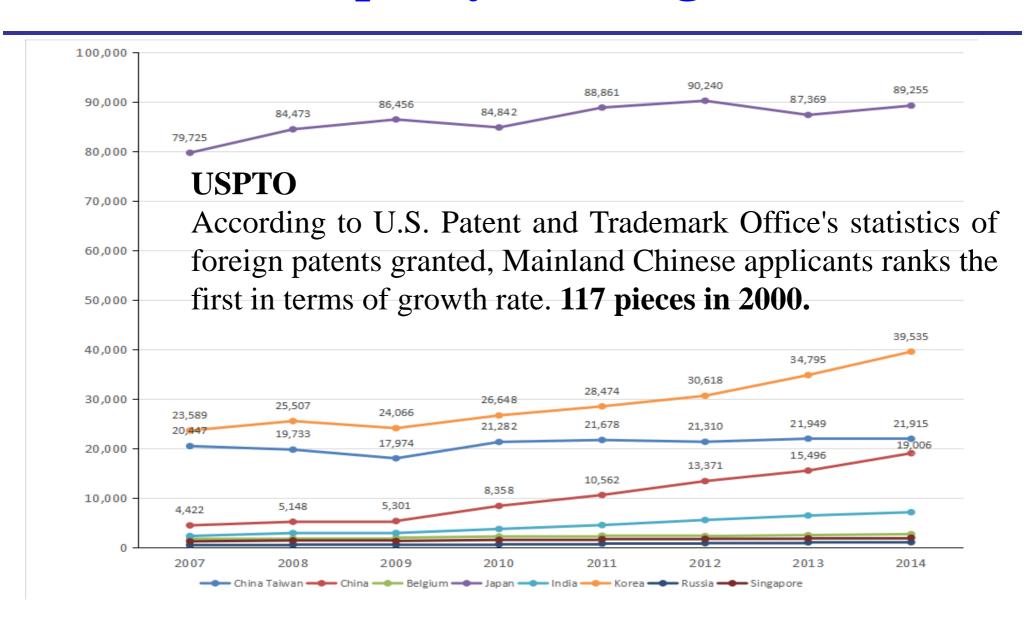


The Interface of Technology Transfer Is Moving Up



Evolution of Technological Capability in Developing Countries

Innovation capacity-building is successful



I. Cooperation Pattern Is Changing

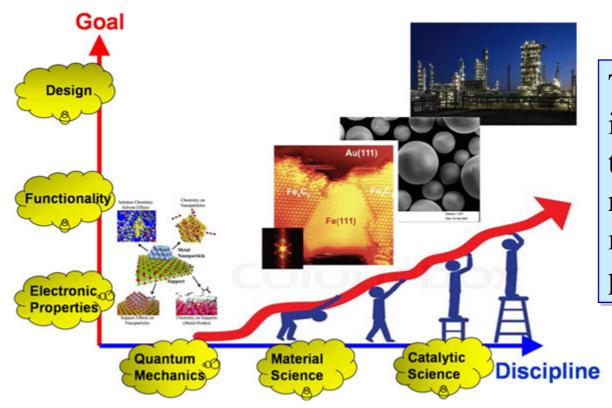


CASE one: Coal-to-liquids (CTL) technology

• Dec 21st 2016, the clean quality diesel with all indicators qualified was generated from the synfuels device of 4.0 million t/a Shenhua Ningxia Coal Coal-Indirect-Liquidation Demonstration Project based on the Synfuels China CTL Technology, which indicated that overall CTO process was put into operation.

Coal-to-liquids (CTL) technology has experienced rapidly development in China during last ten years.

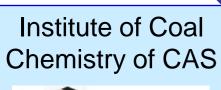




There are more than 900 employees in Synfuels China, and over 80% of them are engineers and technical researchers, including 47 PhD, 203 master, 18 professors, 139 associate professors & senior engineers.



















CASE two: Shenzhen Robotics Industry

Shenzhen Robotics Association















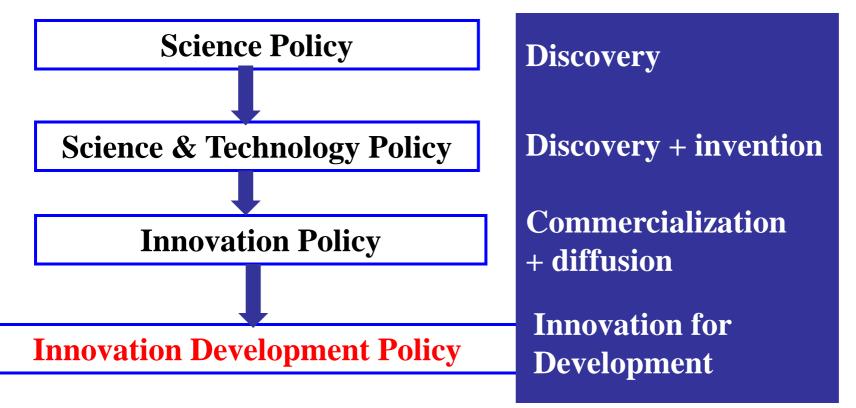


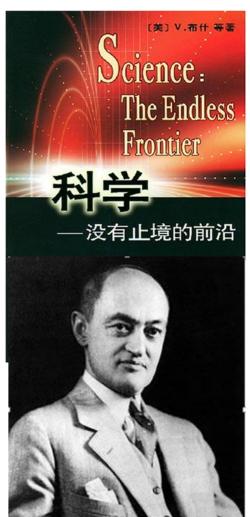


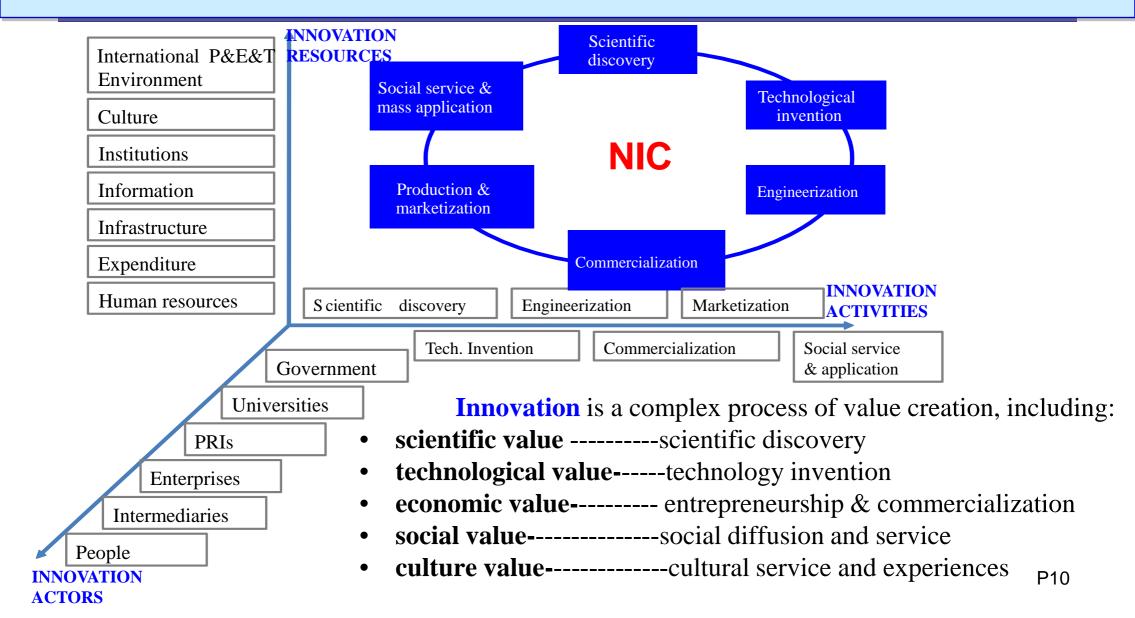


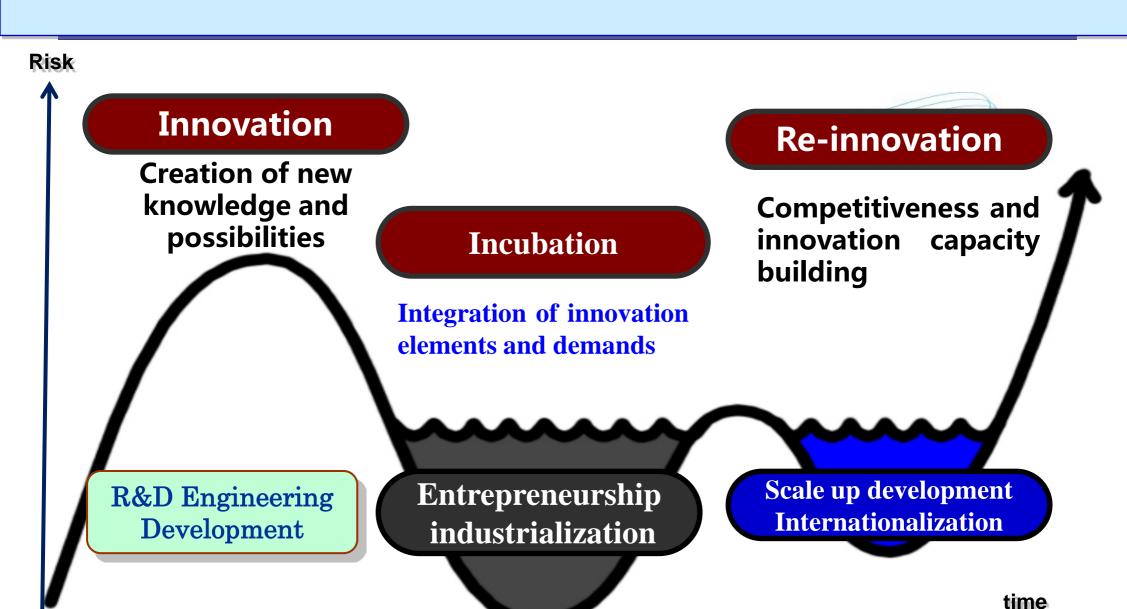


Evolution of S&T and Innovation Policy









Pilot Area of Comprehensive Innovation & Reform

to remove institutional hurdles of innovation driven development by means of systematic, comprehensive and coordinated reform so as to achieve transformation of innovation driven development.

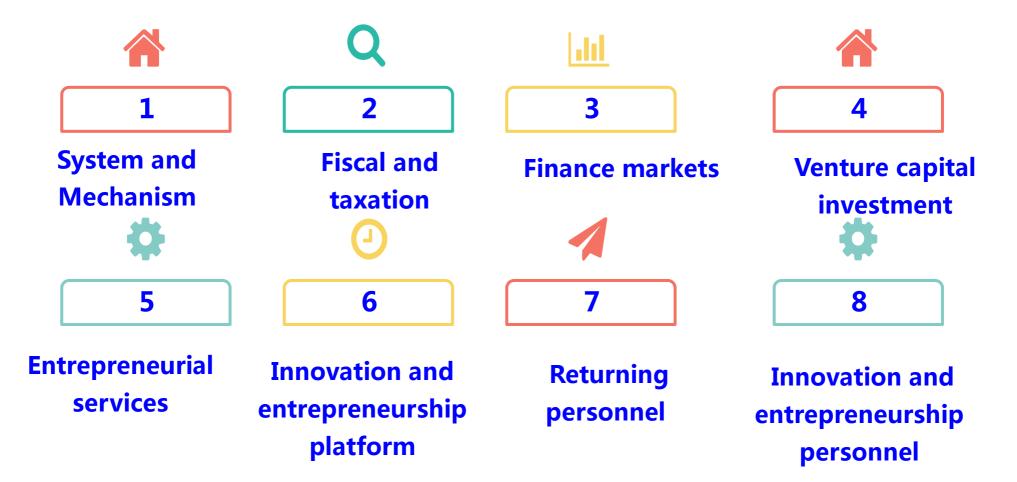
- 8 areas including Shanghai, Guangdong, Anhui, Sichuan,
 Wuhan, Shenyang, Beijing-Tianjin-Hebei in 2016.
- About 172 items of pilot policies will be authorized by central government to those areas.





Policy for Mass Entrepreneurship & Innovation

Guidelines to promote mass entrepreneurship and innovation







Thank you for your attention! mrp@casipm.ac.cn