



# 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

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PILOT DREAMS OF FUTURE SUCCESS

领航 **未来** 成就 **梦想**

## Latest Progress of Mass Entrepreneurship and Mass Innovation in China



Mass entrepreneurship and mass innovation represents an important measure to implement the innovation-driven development strategy. It was clearly stated in *the Report on the Work of the Government* in 2018 that we should provide all-dimensional innovation and entrepreneurship services, facilitate the establishment of bases for innovation and entrepreneurship, encourage big enterprise, universities and research institutes to open their innovation resources, develop platform economy and sharing economy, create a pattern featuring online-offline integration, industry-academia-research cooperation and integration between big, medium and small-sized enterprises and work for an upgraded version of mass entrepreneurship and mass innovation. At present, entrepreneurship and incubation have become an important component in cultivating new development engines, underpinning supply-side structural reform and fostering entrepreneurship.

This article comes from *the 2018 Report on Entrepreneurship and Incubation Development in China* published by Torch High Technology Industry Development Center of Ministry of Science and Technology.

### 1. The makers' spaces bring increasing impact to industries and become basic service platforms-

More and more social entities have worked to develop makers' spaces, which have contributed to fostering a sound entrepreneurship eco-system in the whole society and laying a solid foundation for further advancing mass entrepreneurship and innovation. In 2017, there were 5,739 makers' spaces according to statistics of Torch Center, an increase of over 33% compared with 2016. The spaces covered a total area of more than 25 million m<sup>2</sup>, provided over 1.05 million job opportunities, a year-on-year increase

of over 36%, served over 410,000 start-up teams and companies, up by 52% compared with the previous year, had 87,000 new enterprises registered, a year-on-year increase of 22% and held more than 250,000 entrepreneurship activities and training sessions of all kinds, up by 37% compared with the previous year. More than 1.7 million people were hired, among whom over 460,000 were those who graduated two years ago or even younger.

### 2. Top-level design has been strengthened gradually and policy dividend released

In 2017, local governments mapped out over 300 policies for mass entrepreneurship and mass innovation. In regions lagging behind, they focused on the removing obstacles impeding development of innovation and entrepreneurship, stressed the role of innovation and incubation carriers, constantly released the dividend of policies, fully aroused the initiative of the major players and carriers and effectively pushed forward the development of mass entrepreneurship and mass innovation. In 2017, the spaces helped incubated enterprises gain 3.15 billion yuan of government funding, a year-on-year increase of 37%.

### 3. The full participation of capital empowers the makers' spaces

In 2017, capital participated in development of the makers' spaces in an in-depth manner, which became an effective approach to enterprises' growth and enhanced the quality and efficiency of the spaces. According to statistics, over 400 of the spaces in the country were established by investment agencies. Capital plus incubation has become an important model of the development of the spaces. In 2017, the spaces helped 18,000 teams and enterprises win investment of about 67 billion yuan, among which 57 billion yuan came from social sectors while about 10 billion yuan came from the spaces.

### 4. The makers' spaces start networked development by chain-store operation and brand management-

A number of better developed makers' spaces have already set up branches in major cities at home or even abroad, occupied the market, broadened channels of development and built up networks through brand management or chain-store operation. Since its establishment two years ago, UCOMMUNE has set up 100 shared office spaces and pooled over 4,000 enterprises in 30 cities of six countries. TusStar has built eight joint office spaces in Beijing and 57 such spaces across the country, which led to a

network of spaces featuring varied characteristics and inter-connectedness. Moreover, Entrepreneurs' Training Camp of Peking University, entities such as the Tencent, Opark, Sinovation Ventures and 3W Coffee have opened their makers' spaces in various localities, which further expanded the development channel and space.

### **5. Graduated companies build up spaces and a virtuous circle is formed**

A virtuous circle has been formed as the graduated companies agree on the philosophies of the incubators and start building up makers' spaces. The www.zbj.com which graduated from incubator provides whole life-cycle services on the open online platform, adopts the model featuring online services and offline incubation and serves entrepreneurial teams through crowdsourcing. At present, it has set up over 20 makers' spaces and incubators. iFLYTEK, which also graduated from incubator, built up the Particle Space, opened AI technologies including audio recognition as basic services to start-ups and integrated online and offline services for new product and application development. While providing incubation services to others, it also realized its own development, broadened upstream and downstream business scope and put in place a complete industrial chain. In addition, outstanding enterprises graduated from incubator such as DAAN GENE and ENJOYOR have further gained development momentum and impetus through opening up makers' spaces.

### **6. Makers' spaces serve as critical players for acceleration of transforming research outcomes by enterprises, universities and research institutes**

A number of leading and backbone enterprises and research institutes have contributed to advancing mass entrepreneurship and mass innovation through establishing makers' spaces, offered one-stop entrepreneurship, incubation and investment services, accelerated translation of research findings and laid a solid foundation for new types of commercial activities. Haier Group, Aviation Industry Corporation of China, Changhong Group and Inspur emerged as the representatives of state-owned enterprises; Tencent, Alibaba and JD.com developed as representatives of private enterprises; Peking University, Sun Yat-sen University and Shanghai Institute of Microsystem and Information Technology of CAS grew as representatives of universities and research institutes. All this has led to two innovation and entrepreneurship models driven respectively by model innovation and technical innovation, which can underpin the economic

transformation and upgrading. For example, Alibaba has attracted various kinds of entrepreneurs to use its public service platforms and founded enterprises of all kinds through opening the online services such as Alibaba Cloud. Up till now, it has built 30 makers' spaces in 25 cities, which provide services to a total of more than 500 enterprises.

### **7. Makers' spaces cultivate a large number of excellent enterprises for transformation and upgrading of conventional industries**

Over the past three years, the makers' spaces have cultivated a batch of leading enterprises in sharing economy and Internet. While changing people's lifestyle, it also attracts more and more people for innovative and entrepreneurial activities. Backbone enterprises with Haier and Simcere as the representatives have founded specialized makers' spaces, encouraged their employees to conduct entrepreneurial activities in the spaces, introduced SMEs strong in R&D for open innovation, effectively stimulated the innovation vitality of big enterprises, developed upstream and downstream industrial chains, facilitated integration between innovation and entrepreneurship and promoted transformation and upgrading of real economy. HUIBO incubated by Sudatiangong Makers' Space is specialized in R&D and manufacturing of industrial robots, service robots and precision robots. The company now ranks among the top players in the country as it has won a total investment of 150 million yuan and a turnover of 250 million yuan in 2017. Flowerplus incubated by Suhehui grew to become the champion of flower industry over two years and completed four rounds of financing within a year. At present, its monthly turnover exceeds 80 million yuan and its net sales volume reached 640 million yuan in 2017. Moreover, Liulishuo, Qichacha, VIPMRO, Autocloudpro, Eleme, No.1 food delivery and ZIB all grew based on the spaces' cultivation and attracted investment extensively.

# An Introduction to Pujiang Innovation Forum



## 1. Overview

Pujiang Innovation Forum was jointly founded by the Ministry of Science and Technology (MOST) and Shanghai Municipal People’s Government in 2008. Academician Xu Guanhua, also former Minister of MOST, is the Forum Chairman. With innovation as the theme and by sticking to international vision and national demands, the forum is dedicated to establishing a platform for exchange of innovative development, dissemination of advanced concepts, communication of academic ideas, interaction among government, industry, universities and institutions, publication of latest policies, and international cooperation in science and technology, to serve the innovation-driven development strategy and the building of an innovation-oriented country.

### SIX PLATFORMS:

Promote exchange of ideas in innovation

Disseminate advanced ideas

Encourage academic debate

Interact with key industry players

Release new policies

Build an international collaboration platform for science and technology

## 2. Themes over the years

The forum has been held successfully for 10 years, attracting thousands of politicians, academicians and business elites from the world to conduct in-depth discussions on hot issues concerning enterprises, industries, entrepreneurs, regions, policies, finance, culture and future science. It explores deeply into the international innovation trends and forecasts the development prospects from various levels and perspectives and pools insights that are of outstanding values for economic development and industrial innovation.

	Themes
2008	The Path for an Innovation-oriented Country
2009	Economic Globalization and Independent Innovation
2010	Green Transformation & Innovation
2011	Innovation-driven Development
2012	Industrial Revolution and Innovation Eco-system
2013	Innovation-driven Development and the Role of Enterprises
2014	Coordinated Innovation and Sharing Opportunities
2015	Global Innovation Network Brings Common Interests
2016	Two-wheel Drive: S&T Innovation and Institutional Innovation
2017	Global Science and Technology Innovation Hubs: Patterns and Prospects

## 3. 2018 Pujiang Innovation Forum

### Basic information

Time: October 29 – November 1, 2018

Venue: Shanghai Dongjiao State Guest House

Theme: Innovation-driven Development and Supply-side Structural Reform in a New Age

Topics: Focus on STI-enabled revolutions on

quality, efficiency and driving force and contribute to building a world S&T powerhouse and global STI Hub through frontier, strategic and systemic discussions.

**Important activities**

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<b>Before the Forum</b>	2018 World Innovation & Entrepreneurship Expo
	2018 International Science, Technology and Innovation Think Tank Forum

<b>Major events</b>	Opening Ceremony & Plenary Session
	Science and Technology Innovation Youth Leaders Roundtable
	The Belt and Road: Technological Innovation and Cooperation Roundtable
	Country of Honor Forum
	The Entrepreneur Forum: The Ecosystem for Mass Entrepreneurship and Mass Innovation and Unicorn Companies
	Industry Forum I: Shanghai Geriatrics Clinic-Research-Industry Conference
	Industry Forum II: Energy Internet
	Industry Forum III: S&T Service Industry - Cross-border Technology Transfer Model
	Industry Forum IV: Smart Manufacturing and Industrial Transformation and Upgrading
	The Culture Forum: Innovation Mission in the New Era
	The Regional & Urban Forum: Regional Development Driven by Innovation
	The Future Science Forum I: Innovation in Complex Network
	The Future Science Forum II: Promote Development in Phenomics
	Policy Forum: Facilitate Integrated Innovation Policies
	The Science and Finance Forum: Find Innovation Values
Jiaxing Forum: Future Industry and Talent	