



Regional Innovation: Be the Pilot & Take the Lead

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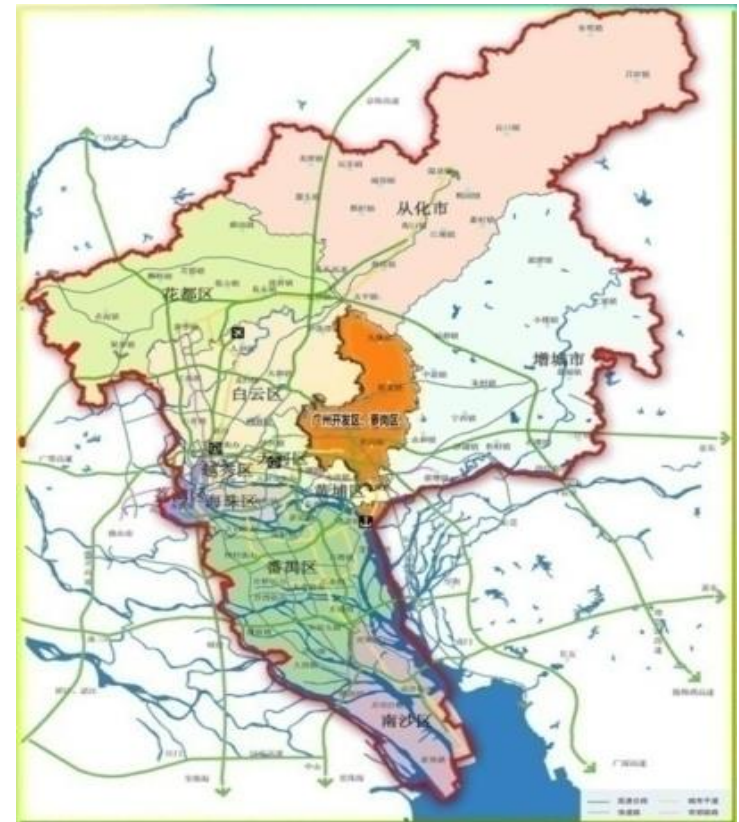
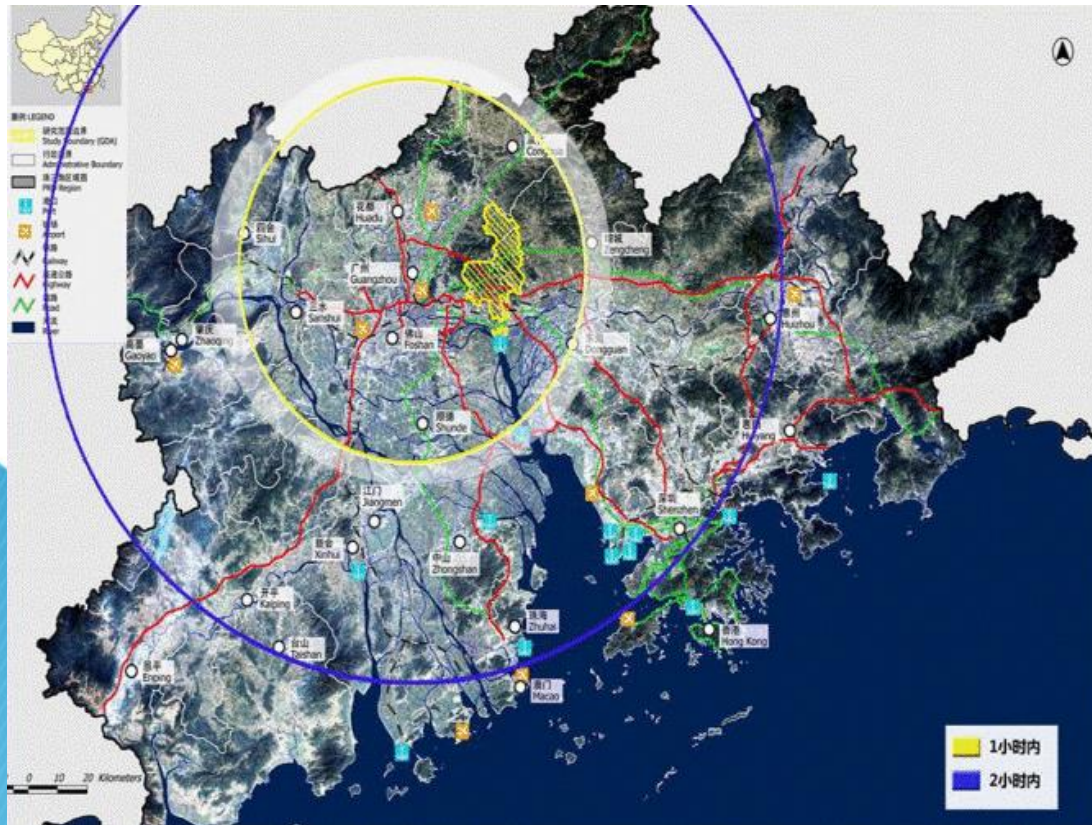
Deputy Director, the Administrative Committee of
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&
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Major Methods of Regional Innovation Promotion





**Guangzhou Development District ("GDD") ,
established in 1984, one of the 1st batch of national class
development districts, a window of opening to the outside
world, a base of self innovation and important economic
growth pole of Guangzhou.**



Major economic indicators of GDD (2013)

Indicator	Amount
GDP	211 billion RMB
Industrial Output Value	511.6 billion RMB
Tax revenue	54.3 billion RMB



Number of new & high-tech companies: over **2200**;
Fortune World's Top 500: **115**; Gross output value of
new & high-tech enterprises above designated size:
over **30%**; R&D investment volume accounts for **3.87%**
of GDP

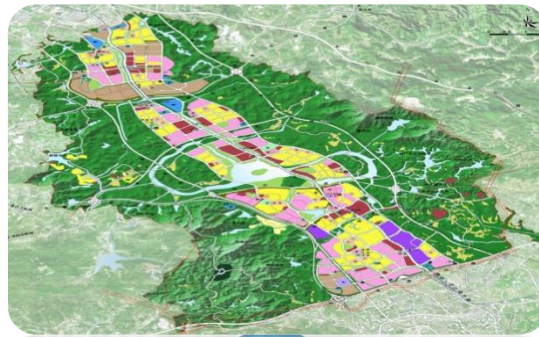


(1) Focus on functional parks' innovation and construction of the 3 platforms, driving the upgrade of industrial parks to innovation parks

Before 2000, we accepted international industrial transfer, forming 6 pillar industries of electronics, fine chemicals and others, and an export-oriented industrial park was formed.



Since 2000, 3 strategic development innovation platforms were built: Sino-Singapore GZ Knowledge City (GKC), GZ Science City (GSC), GZ International Bio Island (GIBI). 13 national-class industrial bases got approved. A scienc-tech park with an integration of advanced manufacturing and self-innovation formed.



GKC

中新广州知识城



GIBI

广州国际生物岛



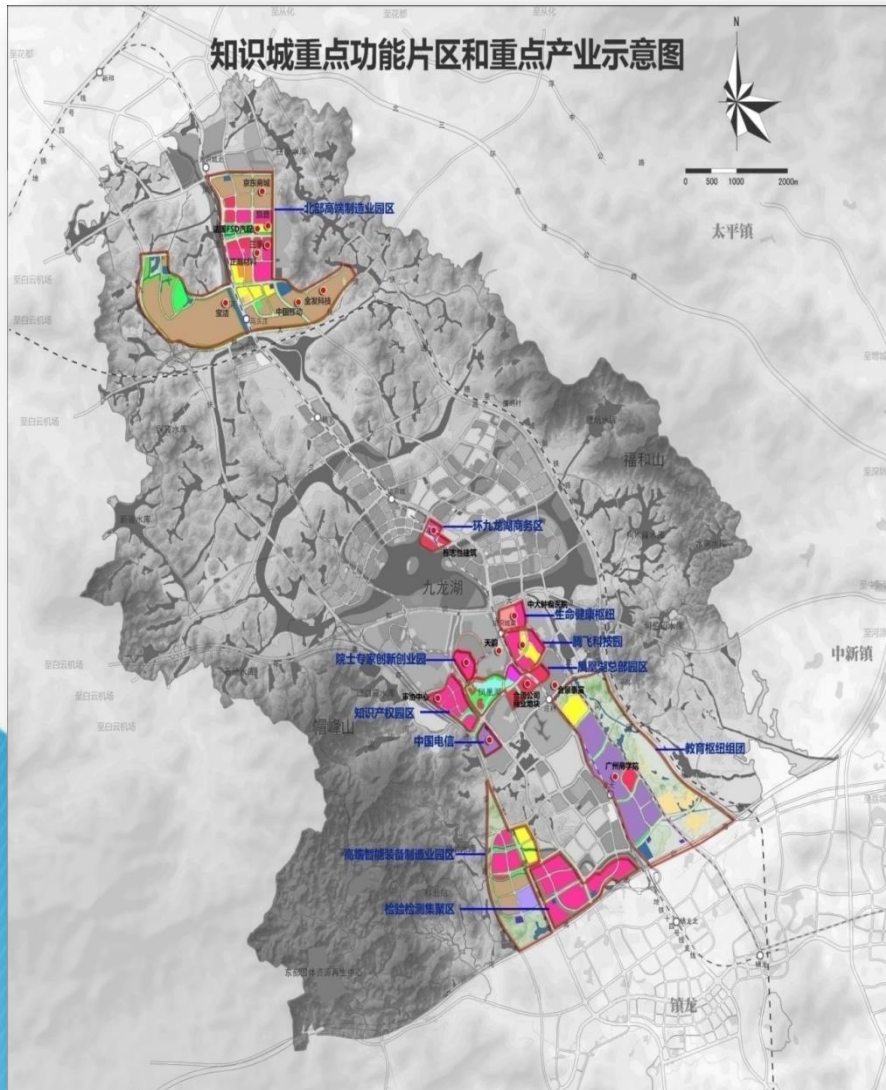
GSC

广州科学城



Guangzhou Knowledge City (GKC)

A new height of knowledge economy



Guangzhou Science City (GSC)

A new engine for innovation in South China



Guangzhou International Bio Island (GIBI)

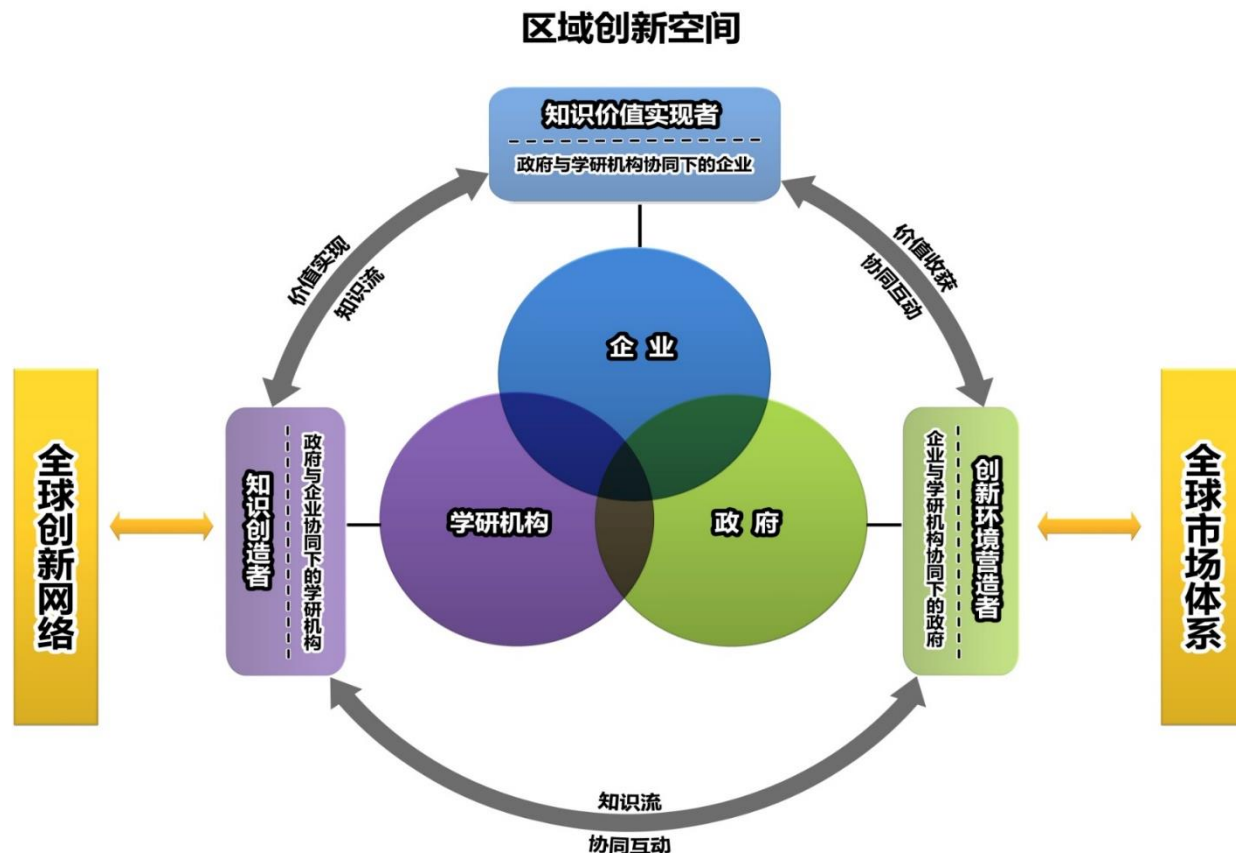
A core of national-class biomedical industry;

A future R&D center of global biopharmaceuticals



(2) Focus on collaborative innovation, giving full play of the “ 3 helices” , promoting the transformation from single model innovation to integrated cooperation

The “government-companies-universities”
3-helix interactive advantages



Firstly, a batch of new innovation platforms have been built

Cooperated with universities, public technical platforms of electronic information, biology and new materials were built. 12 open labs, such as Life & Healthcare Institute of the CAS, SCCIP and etc set up here. Military Academy of Medical Science, South China Branch, BUAA Research Institute and other important innovation platforms come to GDD. State-level: 20 Provincial-level: 70 Postdoctoral workstation: 24.



Secondly, promotion of innovation chains and innovation companies

—— **18** national-class industrial bases (parks), **4** provincial-level strategic new industrial bases and **6** municipal-level strategic industrial bases have been built, cultivating lots of new & high-tech companies.

—— **18** new& high-tech companies with a gross industrial output over **100 million** RMB; **5** companies with a gross industrial output over **5 billion** RMB

- **GSK has become one of the biggest R&D and manufacturers in China**
- **Vitron's Chinese market share ranks No. 1 in digital display wall system for many years .**



Thirdly, improvement of the industry-university-research cooperation mechanism

—— A bilateral interactive mechanism in science-tech cooperation is established with **75** universities and institutes, such as Peking University and Zhejiang University

—— A R&D resource sharing mechanism formed with **32** key labs of state level and provincial level.

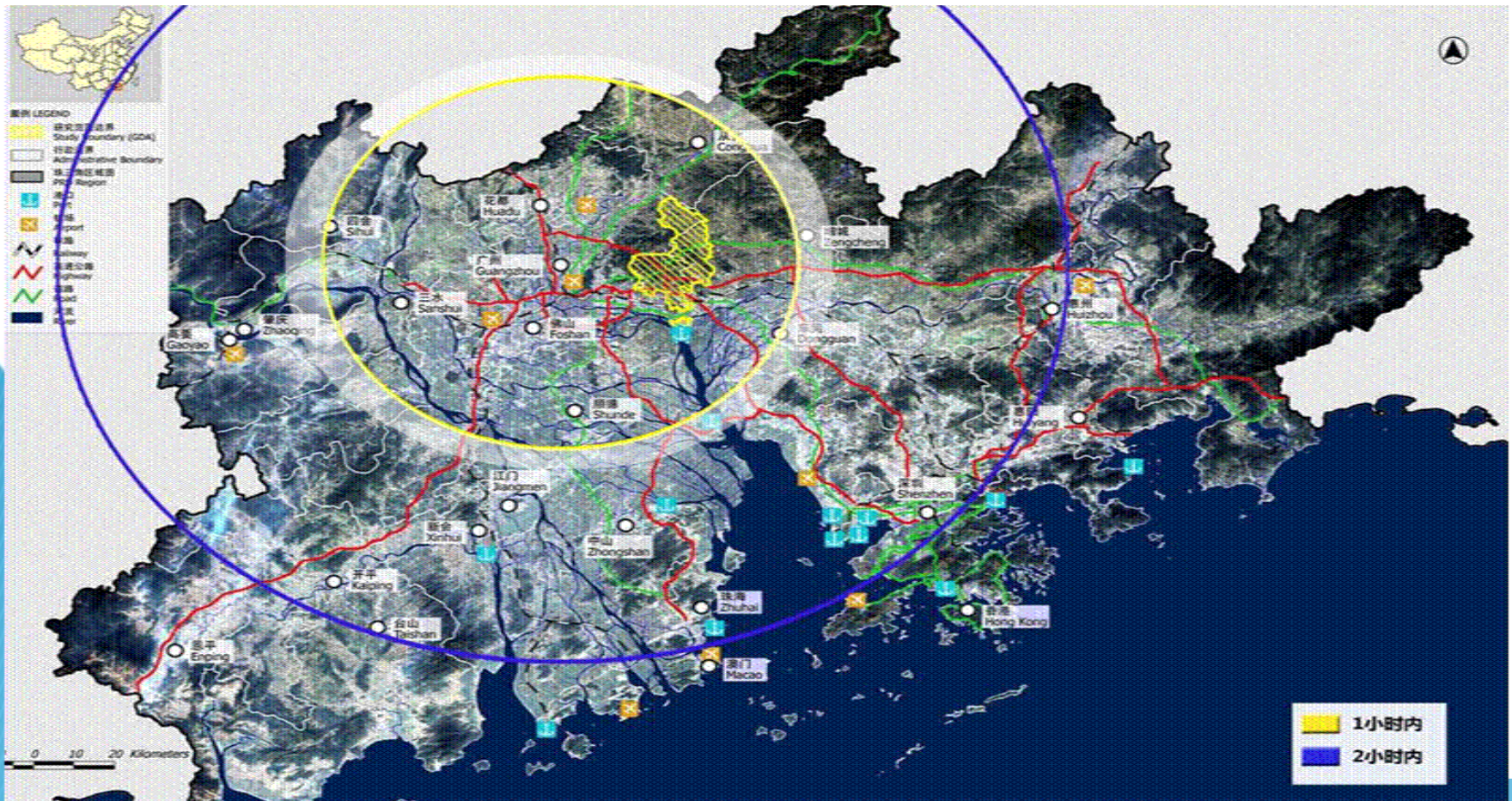
—— Promote the innovation resource sharing among enterprises, universities and research institutes.

—— government built public platforms, 7 innovation alliances like flat panel display , gene testing are organized, large-scale and wide field collaborative innovation realized.



(3) Focus on open innovation, gathering of innovation sources home and abroad and upgrade the traditional cooperation to high-level cooperation

Adjacent to HK and Macau and the hub of PRD , regional innovations are promoted to internationalization & globalization.



Active cooperation with innovation think tank

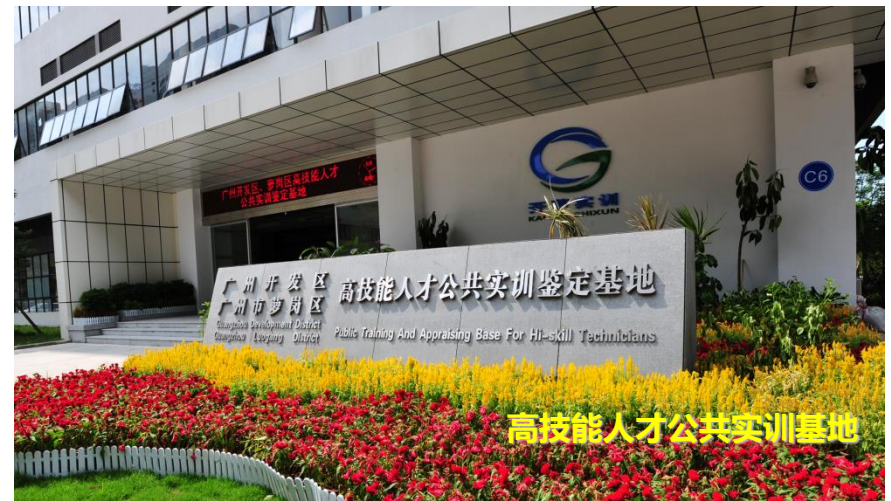
——cooperative research on GKC innovation system with Rand and determined **54** quantitative innovation indexes.

——cooperative research on GKC self-innovation with GEI , a plan is made for promoting GDD to a national-class self-innovation pilot area.

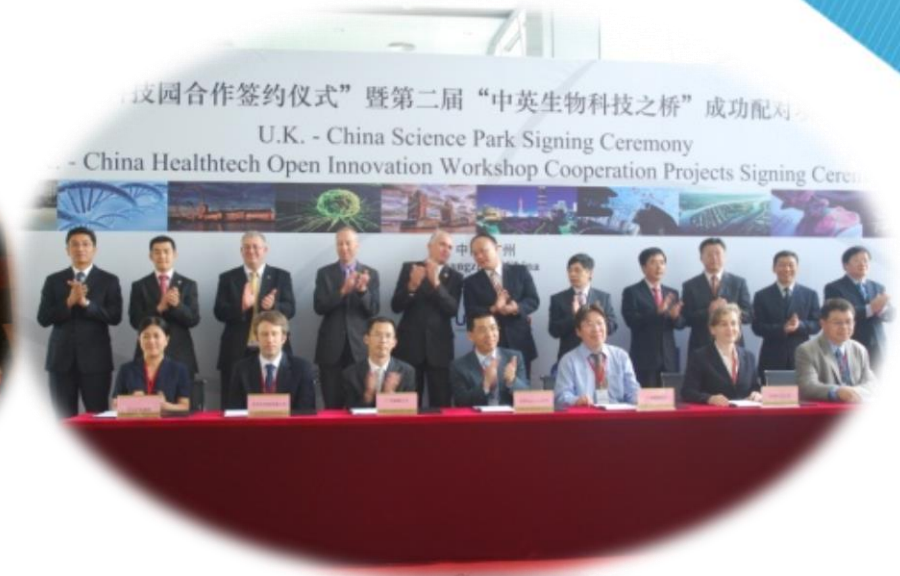


Great Effort in international cooperation

—— As the 1st EU-China Regional Policy Cooperation Pilot Area in China, GDD started the setup of EU-China cooperation innovation park, supported Jena Applied Technology University' s cooperation MOU with Lingnan Institute of Technology and GDD Public Training Center for Hi-skill Technicians, deepened the cooperation with EU in technology innovation, industrial upgrade, new energy and environment protection.



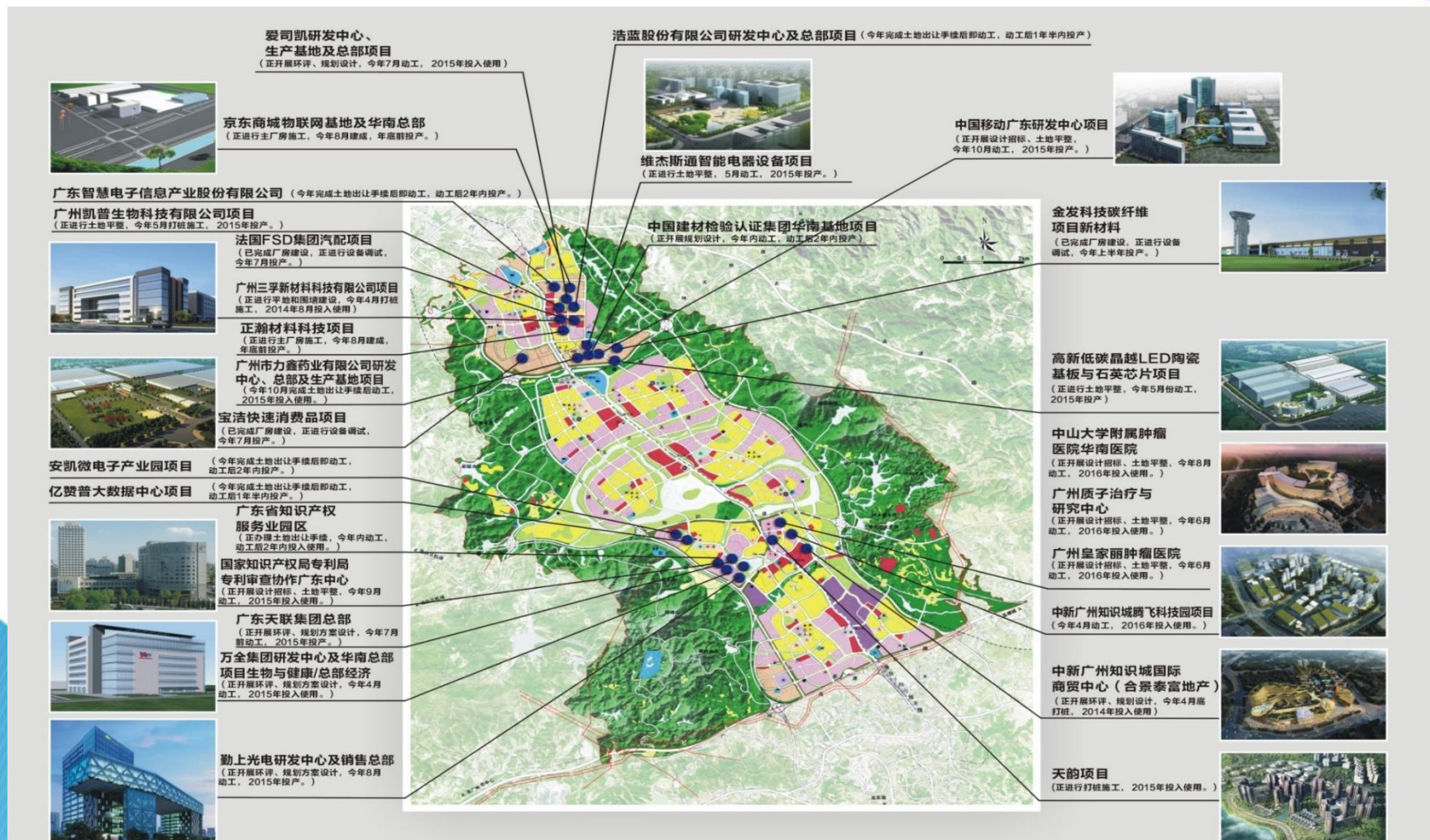
4 UK-China Biotech Bridge workshops successfully held and attracted over **100** innovation projects.



Israel-China Biotech Bridge and Lausanne Science Park (Switzerland) and other international cooperation platforms set up, becoming the key area of Israel-China cooperation in High-tech field.



Sino-Singapore Guangzhou Knowledge City is a demonstration area of Sino-Singapore IP, by jointly attracting a batch of technology-intensive high-tech projects.



Thirdly, gathering of International innovation resources

Over 20 inspection & testing international institutions registered in GDD, such as Intertek (UK), SGS (Switzerland). Nobel prize winner Professor Mello' s innovation team, and over 2000 overseas scholars are attracted to GDD.

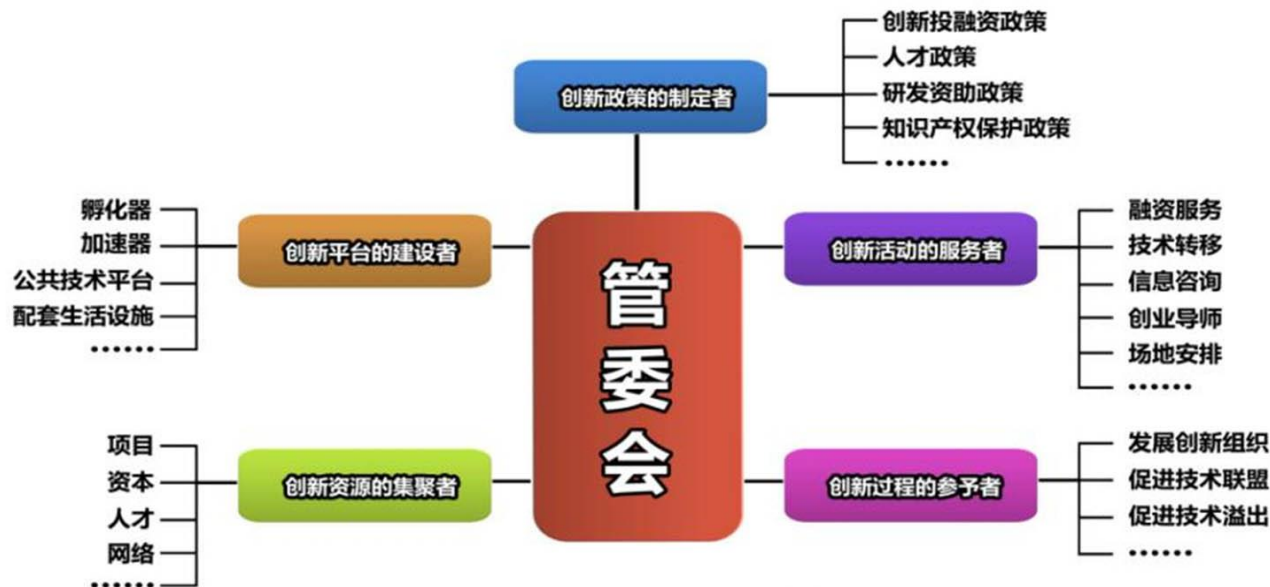


Meanwhile , Scien-tech cooperation between foreign and domestic companies is encouraged, **80** of the Fortune 500 companies set up their R&D centers in GDD, including IBM, Samsung, etc.



(4) Focus on policy innovation & optimize the regional environment , transfer from simple project introduction to “cultivation & afforestation”

Regional innovation is impossible without policy supports , we try to begin with “ cultivation & afforestation” , the local companies’ competitiveness & regional innovation have been raised greatly.



管委会在创新发展模式中的作用

Firstly, optimization of scien-tech financing policy

Leading fund: **1 billion** RMB; Guarantee Fund: **300 million** RMB ; Seed fund: **50million** RMB; Venture Capital gathered: **10 billion** RMB



We have GZ Financing Innovation Service Center, GZ Stock Right Investment Base, GZ Equity Trading Center in which 736 companies are listed, the accumulated trade volume has exceeded 1.5 billion RMB, providing powerful finance support to the enterprises in GDD.



Secondly, improve the support mechanism of the gazelle corporations

——support **124** gazelle corporations , made support policies , enhancing the cultivation of the rapid developing scien-tech companies

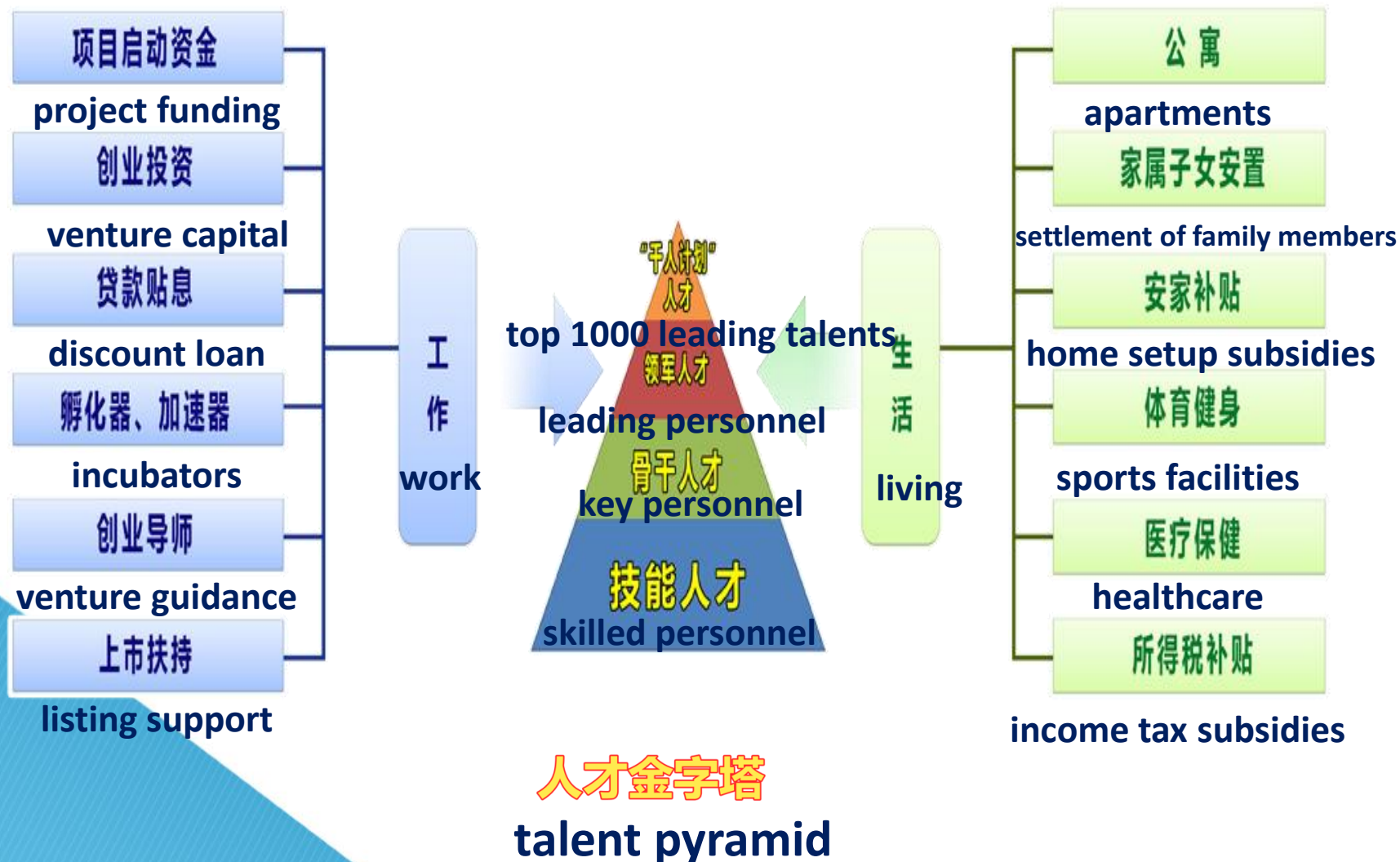
—— We' ve built incubators of **2.5 million m²** and accelerators of **750 thousand m²** , providing whole-process aid from seedlings to matured listed companies. Financial aids like initial funds, site subsidies are given to innovation talent teams.

——30% of the gazelle companies' output growth rate exceeds **50%** and 10% exceeds **100%** .

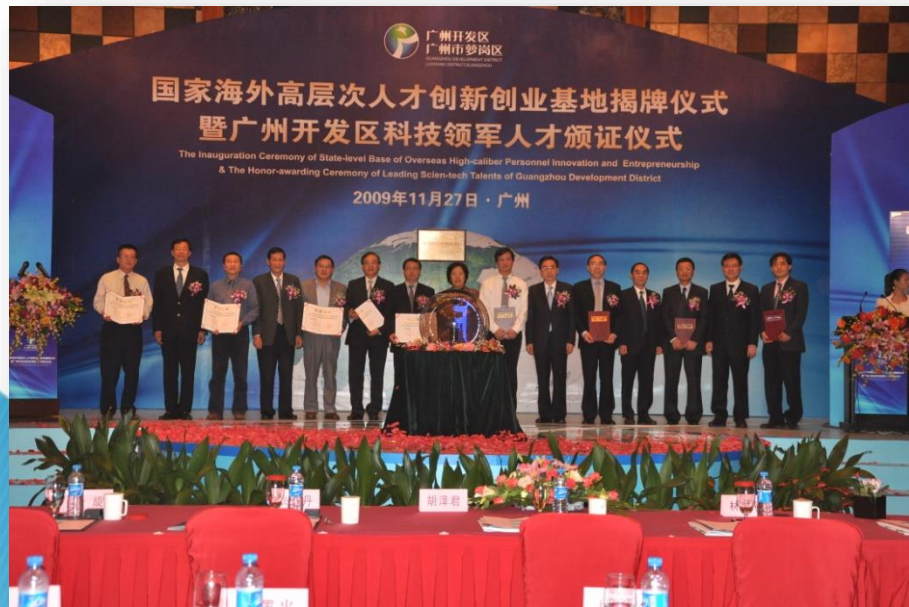
Thirdly, gathering of innovation talents



—— Started the national-class 1st Guangzhou Convention of Oversea Chinese Scholars in Science and Technology



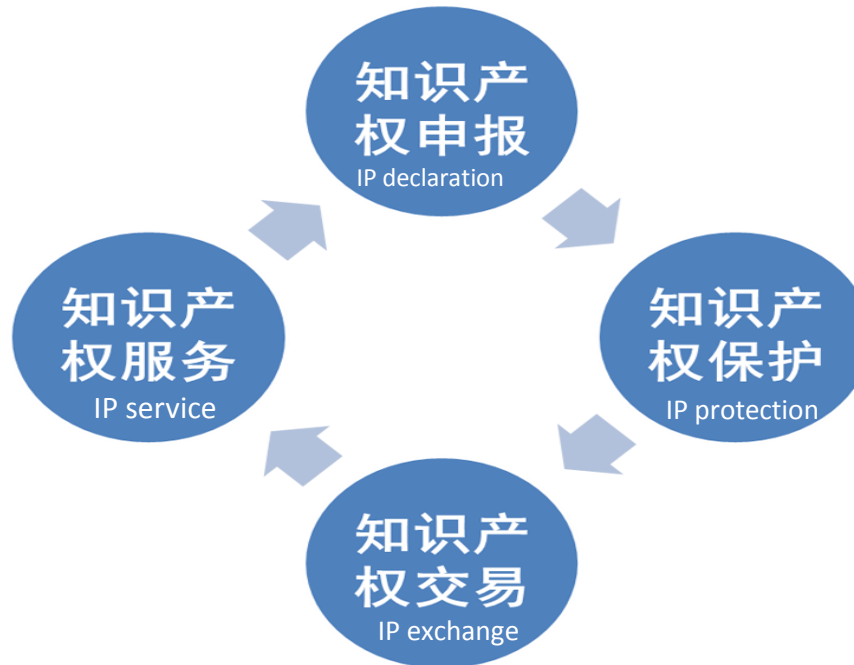
——Up to now, we have **27** academicians from the CAS and the CAE and **45** scientists of “China 1000 Talent Plan”. GDD is selected as the state-level innovation base for overseas high level talents, becoming the most dynamic area in innovation and the business start.



入选中央“千人计划”人才风采



Fourthly, promote IP protection and services



unit: piece

4298

2608

Year-on-year
growth
rate20%

year-on-
year
growth
rate20%

Patent applied

Patent granted

China Patent Gold Award	3
14 th Patent Award in China	6
GD Patent Gold Award	1
First Prize of the 2 nd GZ IP Protection Mayor Award	
pilot area of the State IP Protection Program	

Development Progress of EU-China Regional Cooperation Pilot Area



(1) Developing Pilot Area: Major Work of Provincial and Municipal Development & Reform Commission

High importance and great support from both Guangdong Provincial & Guangzhou Municipal Development & Reform Commission was given to speed up the development of Pilot Area, Guangzhou Development District (“GDD”).

(2) Deepening economic & technology cooperation with EU countries

By the end of 2013, total number of EU invested companies: **116**, from **14** EU members, accumulated total investment: **USD1.8 billion**.



(3) Promoting key cooperation demo projects

5 scien-tech parks (EU-China Innovation New Material Base, EU-China Life Science Park, EU-China Industrial Development Center, and other 2 parks) & 20 scien-tech industrial projects.



中欧国际创新合作（新材料）示范基地规划图

(4) Paring cooperation with EU regions/cities

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GDD's visits to Europe & exchange activities with Austrian and German counterparts in the first half of 2014.

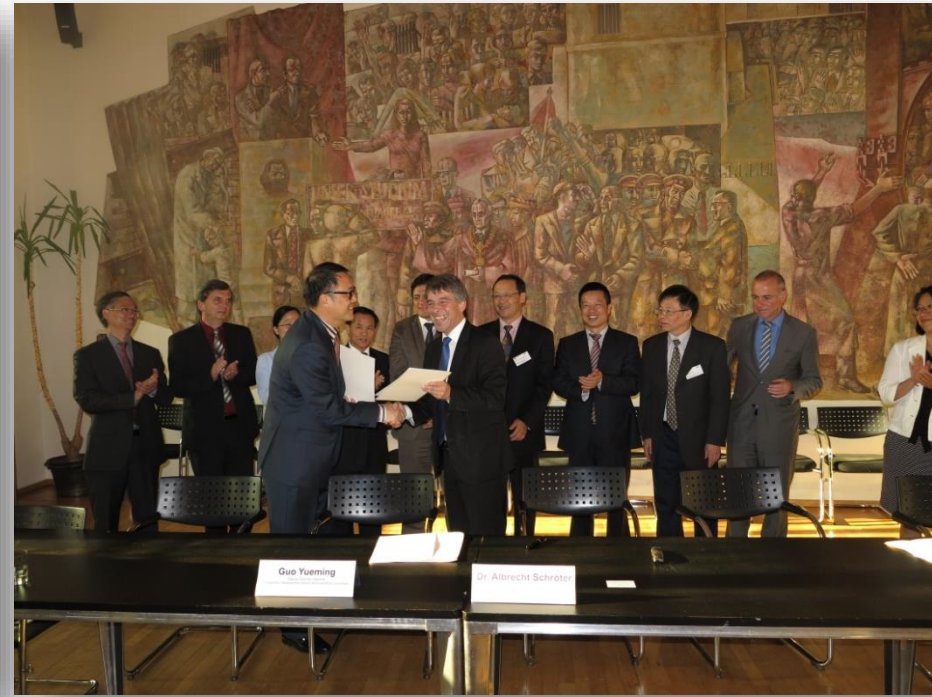


(4) Paring cooperation with EU regions/cities

GDD signing paring cooperation MOU with the Upper Austrian TMG and the German Jena City Government starts the pragmatic cooperation of both sides on technology innovation and industrial upgrade.



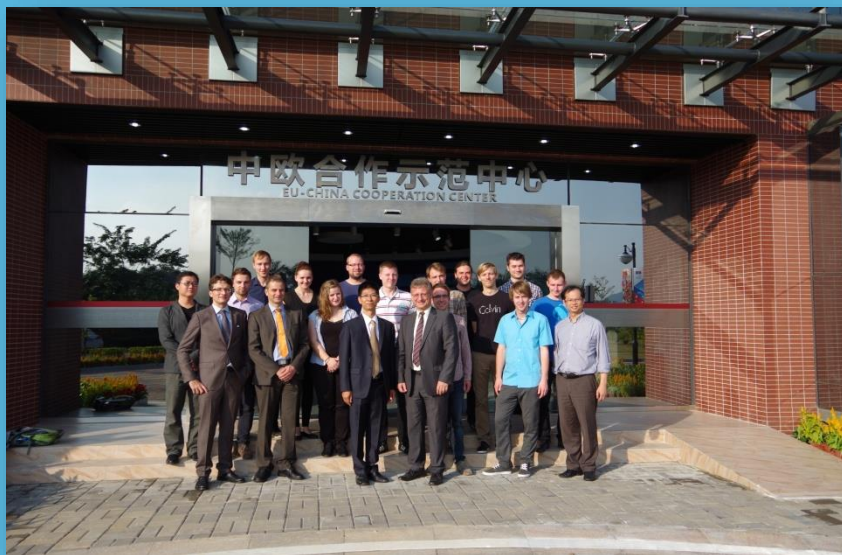
Cooperation MOU signing between GDD & TMG



Cooperation MOU signing between GDD & Jena City Government

EU delegations' visit to GDD & exchange activities of EU-China Regional Policy Cooperation on Nov.24, 2014





GDD had working meeting with TMG of Upper Austria and reached consensus on 2015 cooperation plan.

GDD signed cooperation MOU with Jena Applied Technology University on education & training.



With the guidance of China-EU 2020 Strategic Agenda for Cooperation and the support from National Development & Reform Commission and the Directorate-General of Regional Policy, EU, GDD shall expand and deepen the cooperation with EU in the areas of technology innovation, industrial upgrade, education & training, IP cooperation, energy saving & environment protection, urban construction & administration, striving to create a international & convenient investment environment for scien-tech cooperation, IP reform, opening of service industry, talent and education cooperation, and urbanization.

Be the pilot, and take the lead.



Thank you