

The spatial dimension of innovation: Triple Helix and the city

--China's innovation and governance

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Innovation models (Cooke, 2007)

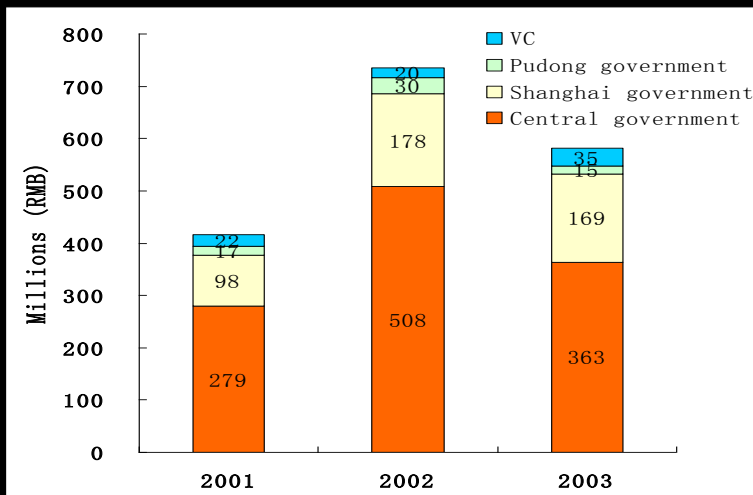
- ❑ The entrepreneurial model (i.e. US, UK)
- ❑ The ‘public-private partnership’ model
(i.e. Germany, Austria)
- ❑ The developmental state model
(i.e. Japan, South Korea)

What is the role of the city / local entrepreneurialism in innovation and cluster development?

State entrepreneurialism

The local state, especially the Shanghai municipal government, has played a critical role (assembling innovation ingredients) in biotech development in Shanghai:

- “Focus on Zhangjiang”, strong political power capacity
- Establishment of ZJHP development Co. Ltd. (key player)
- Land-driven development model
- Creating skilled workforce and attracting overseas talent returnees
- Emerging CROs and global R&D centres
- Place branding and creating multiple parks (one zone + 12 parks)



Discussion

- ZJHP development demonstrates local state entrepreneurialism, a hybrid innovation model in China , which combines the national developmental state and local state entrepreneurialism approach.
What is the role of city/local state in regional cluster development?
- “World factories” to “world laboratories”
Is CRO route sustainable to develop China’s indigenous technologies?