



# Science Parks from an IC perspective

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**World Conference on Intellectual Capital for Communities  
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# What's the Purpose of STPs?

- **An organisation managed by specialised professionals, whose main aim is to increase the wealth of its community by promoting the culture of innovation and the competitiveness of its associated businesses and knowledge-based institutions...**

**(IASP International Board, 6 February 2002)**



**China-Singapore Suzhou Industrial Park in China**

## Knowledge Flows in Science Parks

**(...) a SP stimulates and manages the flow of knowledge and technology amongst universities, R&D institutions, companies and markets; it facilitates the creation and growth of innovation-based companies through incubation and spin-off processes; and provides other value-added services together with high quality space and facilities.**

**International Association of Science Parks**

# STPs as Knowledge Economy Catalysts: Trends in the People's Republic of China





# Knowledge Spaces?



Suzhou,  
China

# Silicon Valley: An Epistemic Culture of Excellence?

- Risk taking attitude
- Flexibility
- The entrepreneurial dream
- Dense concentration of such people
- Challengers and people who question everything
- Excellent university involvement
- High concentrations of \$
- No artificial 'meeting' culture
- Relentless networking, conferences, events
- Multiple careers / companies

**“Silicon Valley is the only place on Earth not trying to figure out how to become Silicon Valley” \***



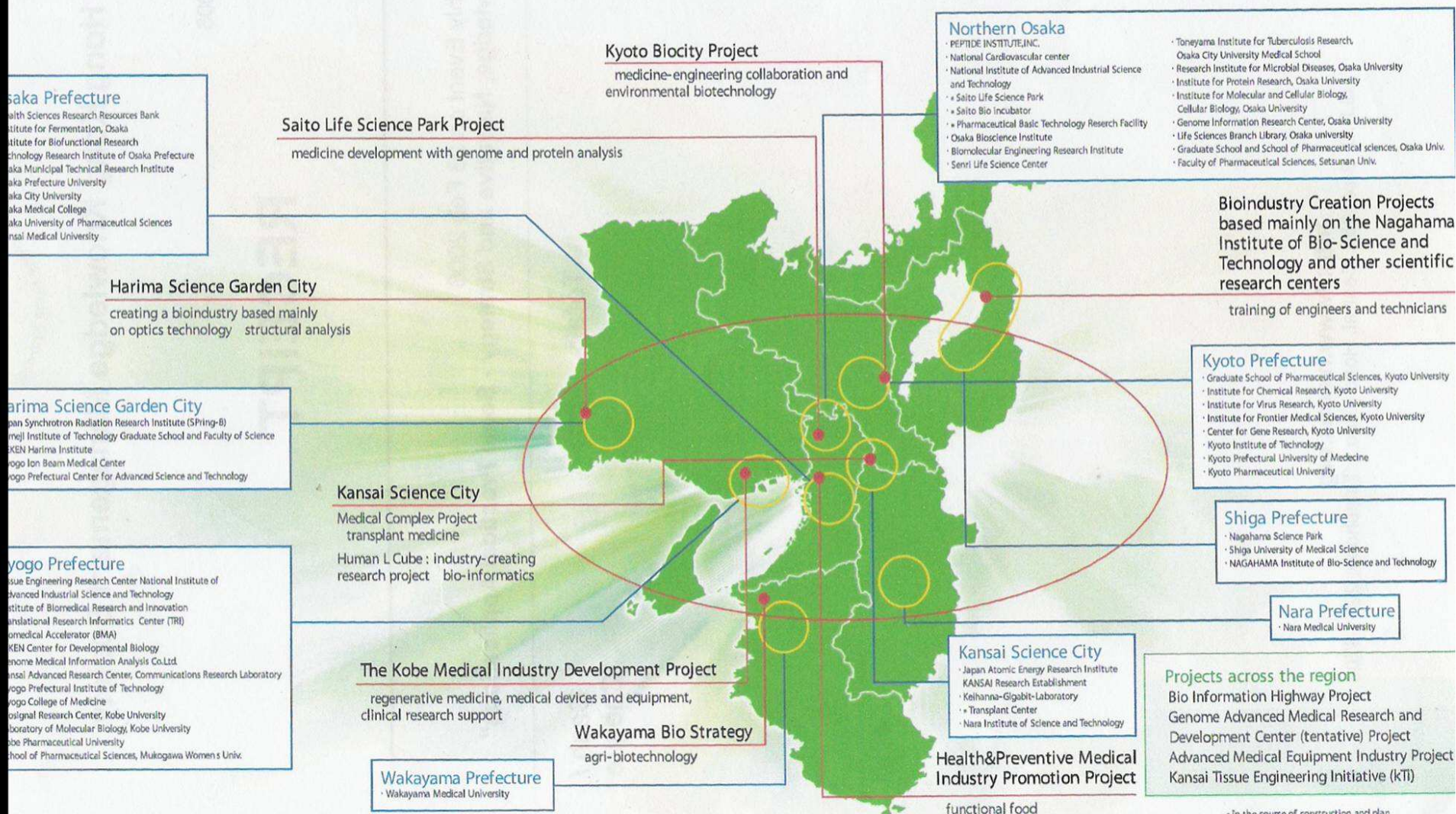


## The progress of Life Science Projects

The Kansai Life Science Project sets up a global base for the life science industry today.  
These projects are supported by universities and institutes around Kansai.



Ministry of Economy, Trade and Industry, Kansai Bureau



\* In the course of construction and plan  
Source : Kansai Economic Federation HP (as of April 2007)

ETI-Kansai have been supporting challenging potential enterprises in collaboration with local governments, universities, public institutes, etc.

Industrial Cluster Project

24-25 May 2007

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# SPs in the Knowledge Economy

- They can be key constitutive elements of the science and knowledge regions
- They can be part of clusters
- “Urbanisation” processes may be necessary (Change from “Park” to “Neighbourhood”)

**Are Science Parks an outdated institution, a left over from the époque of industrial society?**



## **Value Networks in Science Parks**

A web of relationships that generates economic value through complex dynamic exchanges of both tangible and intangible goods, services and benefits.

### **Questions**

Value of alliances, links, networks?

What to measure?

How to measure?

# Knowledge Flows and Dynamics?



# Science Park IC Dynamic Research project

- Assessing the knowledge dynamics of science parks
- Understand the tangible and intangible dimension of knowledge flows and networking
- Creating social and physical knowledge spaces
- Monitoring and assessing tangible value of networking
- Input and output factors of innovation
- Value Networks among tenant firms in Science and Technology Parks (STPs)