



HONG KONG-SHENZHEN
INNOVATION AND
TECHNOLOGY PARK
港深創新及科技園

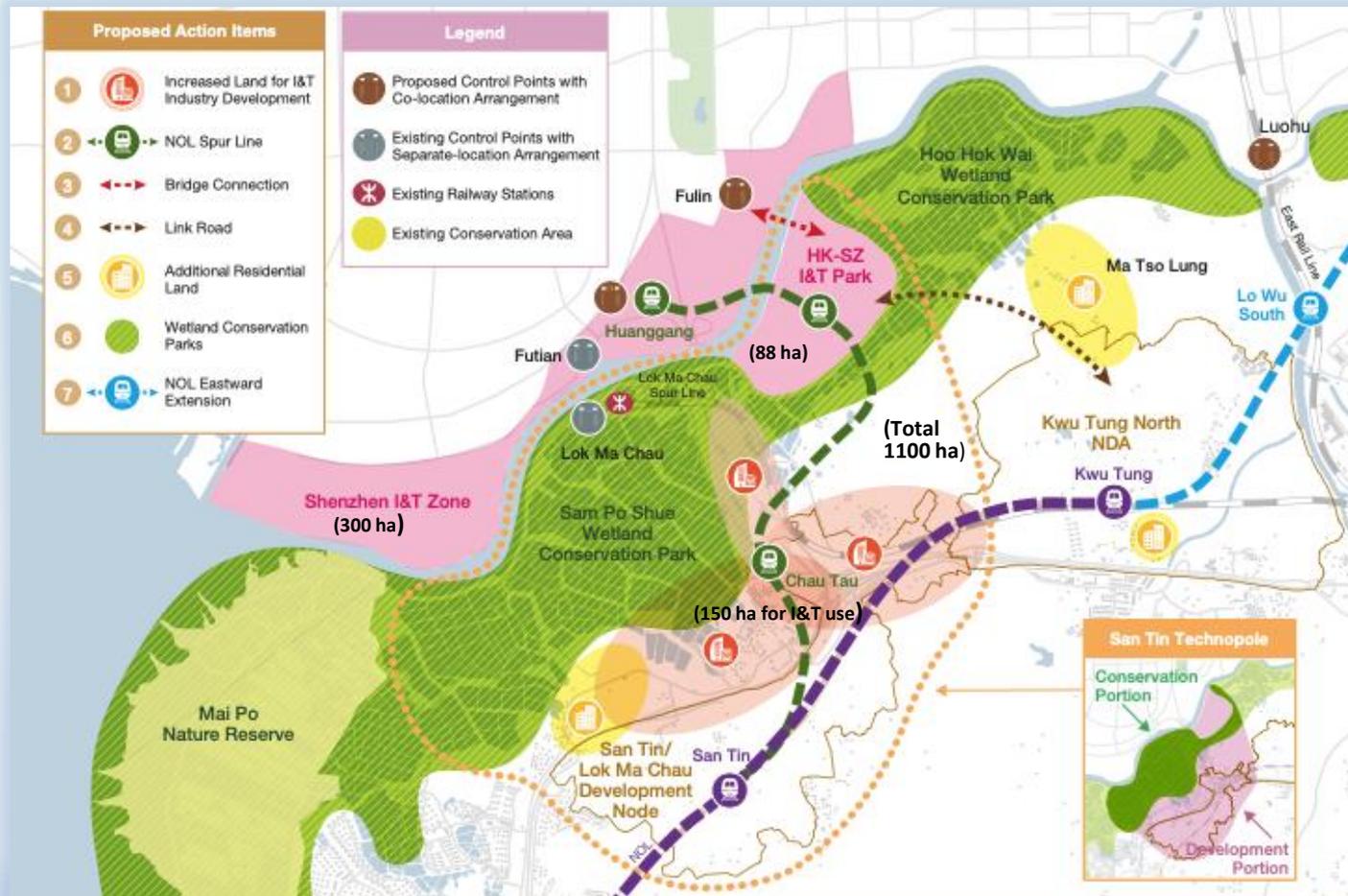
Hong Kong-Shenzhen Innovation and Technology Park

PolyU Research Salon

20 April 2022



HSITP as the core of San Tin Technopole



The Loop : Important Strategic Role in China's National and Regional Development

Outline Development Plan for the Guangdong-Hong Kong-Macao Greater Bay Area Feb 2019

Outline of the 14th Five-Year Plan for National Economic and Social Development of the People's Republic of China and the Long-Range Objectives through the Year 2035 Mar 2021

- Support four carriers for Innovation including **HSITP**
- Support development of special cooperation platforms at **HSITP** and the adjacent **Shenzhen Innovation and Technology Zone**
- Improve the “Two Corridors and Two Poles” framework: the Guangzhou-Shenzhen-Hong Kong and the Guangzhou-Zhuhai-Macao Science and Technology Innovation Corridors, **Shenzhen-Hong Kong I&T Cooperation Zone** and Guangdong-Macao Hengqin as the two innovation poles in GBA
- Accelerate building four major cooperation platforms in GBA: Shenzhen Qianhai, Zhuhai Hengqin, Guangzhou Nansha, and **Shenzhen-Hong Kong I&T Cooperation Zone**

G2G Policies and Incentives to support One Zone, Two Parks

Co-operation Arrangement on the Establishment of 'One Zone, Two Parks' in the Shenzhen-Hong Kong Innovation and Technology Co-operation Zone at the Lok Ma Chau Loop

Sep 6, 2021

- Promote institutional innovation
- Facilitate efficient flow of I&T resources
- Jointly promote policy innovation in the Shenzhen-Hong Kong Innovation and Technology Co-operation Zone

Joint Policy Package for the Shenzhen-Hong Kong Innovation and Technology Co-operation Zone in the Loop

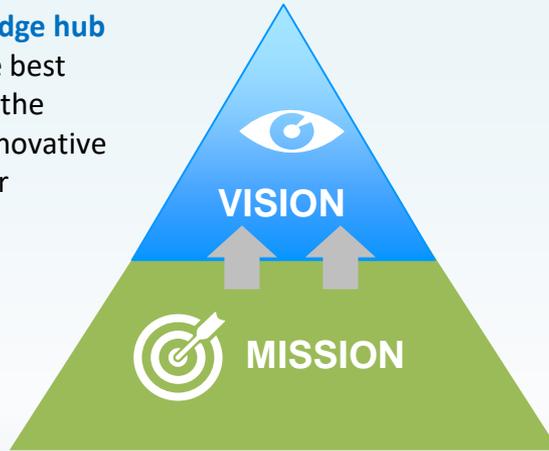
Sep 10, 2021

- Jointly support scientific research projects & talents
- Jointly enhance the complementary facilities in SZ and HK
 - Establish a synergistic and innovative medical system
 - Provide matching investment/funding support for startups
- Facilitate efficient flow of I&T elements between SZ and HK
 - Facilitate the movement of overseas technology talents
 - Streamline the import & export clearance of scientific research samples, experiment reagents and genetic resources
 - Expand cross-boundary investment and financing channels in the Co-operation Zone
 - Facilitate Shenzhen-Hong Kong sharing of data resources in the Co-operation Zone

The Loop : To uplift Hong Kong's I&T competitiveness and position

Vision

To be the **world's knowledge hub and I&T centre** where the best talent congregate, where the future is visualized and innovative technological solutions for tomorrow's problems are developed and tested



Mission

To proactively accelerate **cutting edge I&T** in the market for the benefit of the people" through:

-  1 Driving the creation of **world's leading research institutes and I&T enterprises**
-  2 An **open collaboration platform** for knowledge exchange and applied research between a network of brains
-  3 An **agile innovation testbed** to provide an agile environment for new technology development, testing and adoption
-  4 A **market catalyst** that serves as the I&T growth engine of the Greater Bay Area
-  5 An **integrated advanced training platform** for cultivation of I&T talent

3 Core Functions and 6 Focus Areas

A place for close collaboration among the industry, academia and R&D sectors, with high value-added activities including R&D, prototyping, product design, proof of concept and test-bed

3 Core Functions



Research and
Development



Higher
Education



Cultural and
Creative Industries

6 Focus Areas



Healthcare
Technologies



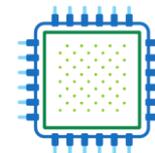
Big Data / A.I.



Robotics



New
Materials



Micro
Electronics



FinTech

InnoLife Healthtech Hub in HSITP



16 life and healthtech-related laboratories
8 State Key Laboratories linked to the life and health sciences disciplines



HK\$10 billion
(reserved 2022/23 budget)

Larger Platform and Better Synergies

Link up related industrial clusters

Develop Hong Kong into a major R&D hub in life sciences and health disciplines

Multi-disciplinary collaboration to benefit the following areas



Diagnosis & Prevention



Drug Discovery



Advanced Treatment



Rehabilitation

Conceptual Plan



Master Layout Plan Video

Sustainability



Sustainability

- Modular Integrated Construction method
- Electric Vehicles
- Sponge City



Smart

- BIM and GIS Integration
- Automated Parking
- Intelligent Operation Center



Environment friendly

- District cooling system
- Common utility enclosure (including utilities such as water mains, electricity and communication cables)



Green

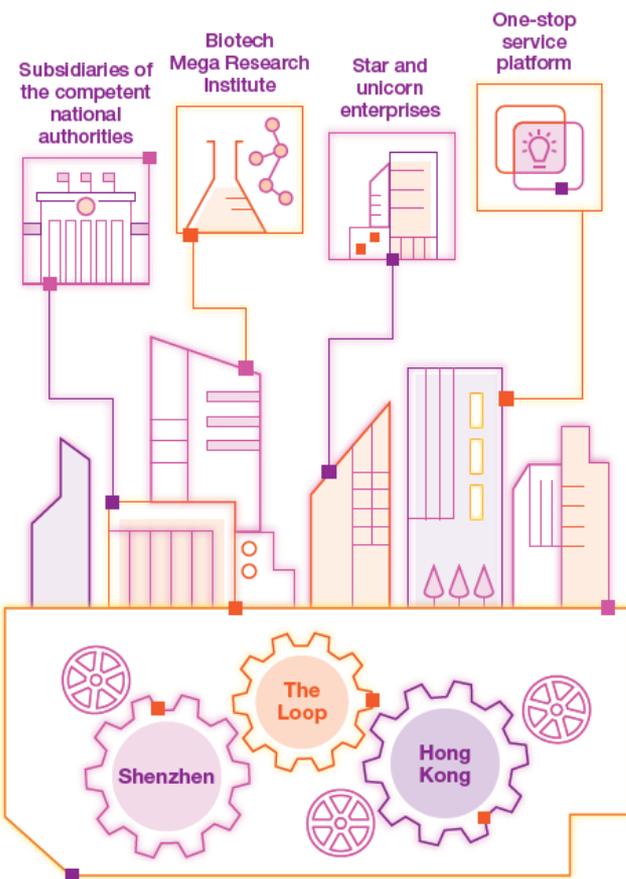
- 7000 trees
- 4 ha riverside promenade
- 3 ha open space (reed bed)
- 12.8 ha Ecological Zone
- 18 ha offsite wetland
- 1.3 ha woodland compensation



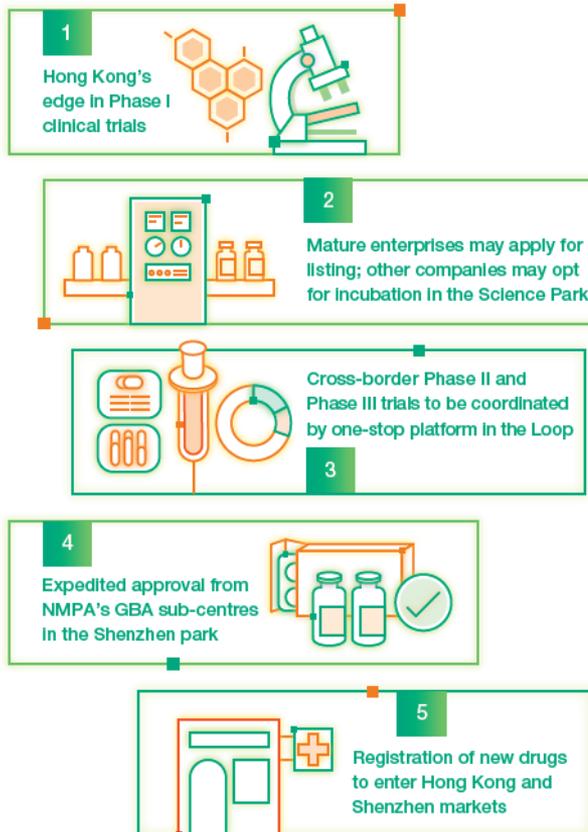


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HSITP is best positioned to drive the collaboration between Hong Kong and Shenzhen in Biotechnology - Study Report by Our Hong Kong Foundation



Cooperation procedures for HK-SZ biomedical development



Key collaboration areas

- Drugs and vaccines
- Genetic testing and therapies
- Advanced medical devices
- AI applications in biotech

Optimize the entire biotech supply chain including drug discovery, preclinical research, clinical trials, and production and product launch

Source: *Strategic Collaborations between Hong Kong and Shenzhen in Biotechnology – Capitalizing on Opportunities in the Loop for Policy Innovation, Our Hong Kong Foundation 2021*