Office of the Government Chief Information Officer
The Government of the Hong Kong Special Administrative Region

Smart Hong Kong

Seminar on New Opportunities of Testing and Certification in the Age of Technology

18 March 2019

Smart City Blueprint

Hong Kong Smart City Blueprint

70+ Initiatives

Six Major Areas

Smart Mobility

Smart Living

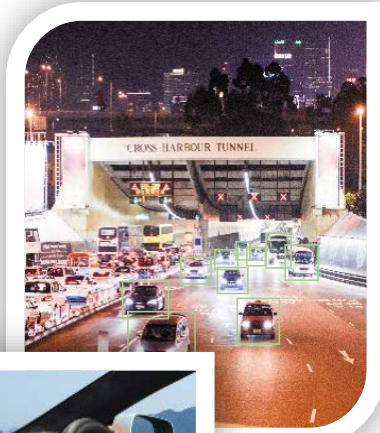Smart Government

Smart Economy

Smart Environment

Smart People

Smart City Blueprint – Initiatives Highlight

Smart Mobility

- Intelligent Transport System and Traffic Management
  - ✓ Traffic detectors
  - ✓ In-vehicle units (IVUs)
  - ✓ New on-street parking meters
- Smart Airport

Smart City Blueprint – Initiatives Highlight

🏠 Smart Living

- **Smart Health**
  - ✓ eHealth record sharing system
  - ✓ Smart hospital
  - ✓ Gerontechnology
- **Digital Payment**
  - ✓ Faster Payment System
  - ✓ eID

Smart City Blueprint – Initiatives Highlight

Smart Environment

- **Climate Action Plan 2030+**
  - ✓ Renewable energy
- **Green and Intelligent Buildings, and Energy Efficiency**

Smart City Blueprint – Initiatives Highlight

Smart People

- **Innovation and Entrepreneurial Culture**
  - ✓ **Enhance support for incubatees and tenants in Science Park and Cyberport**

- **Nurturing Young Talent**
  - ✓ **Postdoctoral Hub Programme**
  - ✓ **Technology Talent Admission Scheme**
  - ✓ **IT Innovation Lab in Secondary Schools Programme**

Smart City Blueprint – Initiatives Highlight

🏛 Smart Government

- **Open Data**

- **Smart City Infrastructure**
  - ✓ **5G mobile networks**
  - ✓ **Pilot Multi-functional Smart Lampposts Scheme**

- **Adoption of Technology**
  - ✓ **Building Information Modelling (BIM)**
  - ✓ **Common spatial data infrastructure (CSDI)**

Smart City Blueprint – Initiatives Highlight

Smart Economy

- Fintech

- Promote R&D
  - ✓ Key research clusters - healthcare technologies; AI & robotics technologies
  - ✓ Innovation and Technology Park at Lok Ma Chau Loop

- Smart Tourism

Key Infrastructures & Initiatives
to support Smart City Development

Electronic Identity (eID)
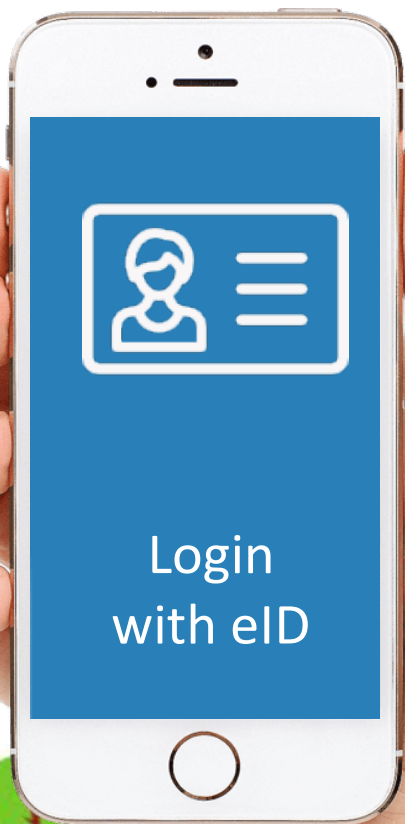
Open Data

Smart Lampposts Pilot Scheme

Spatial Data

Reform Development Technology

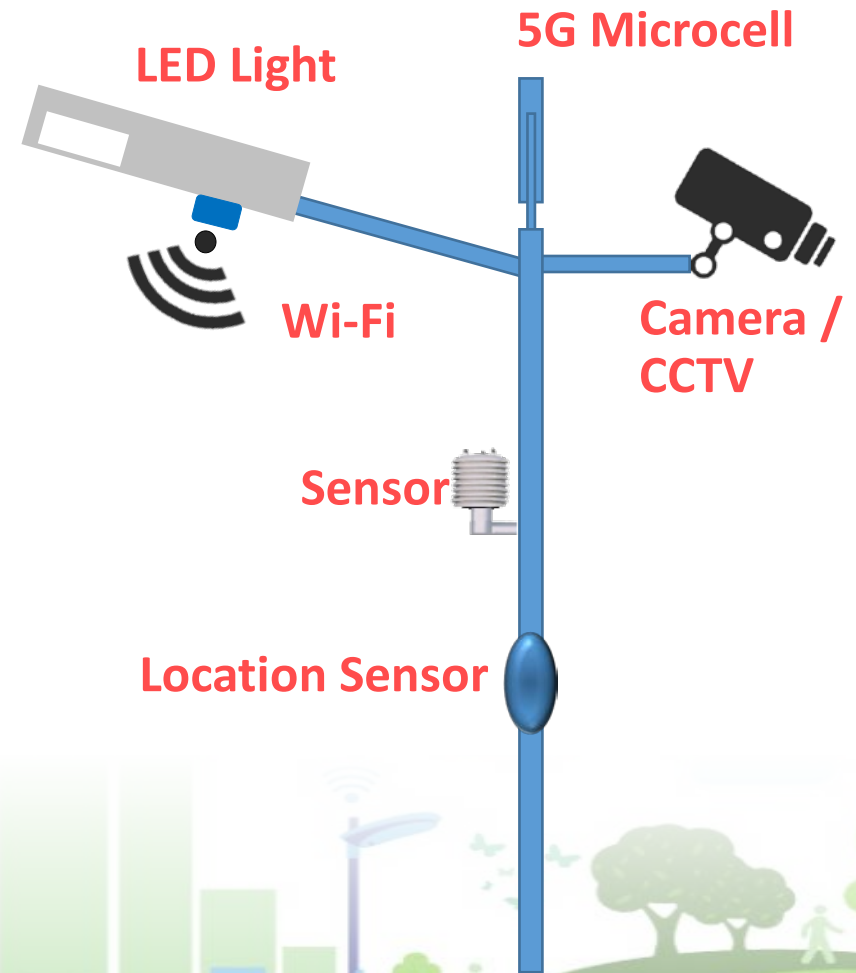Smart Government Innovation Lab

eID for All Hong Kong Residents

A key digital infrastructure for smart city development and digital government transformation
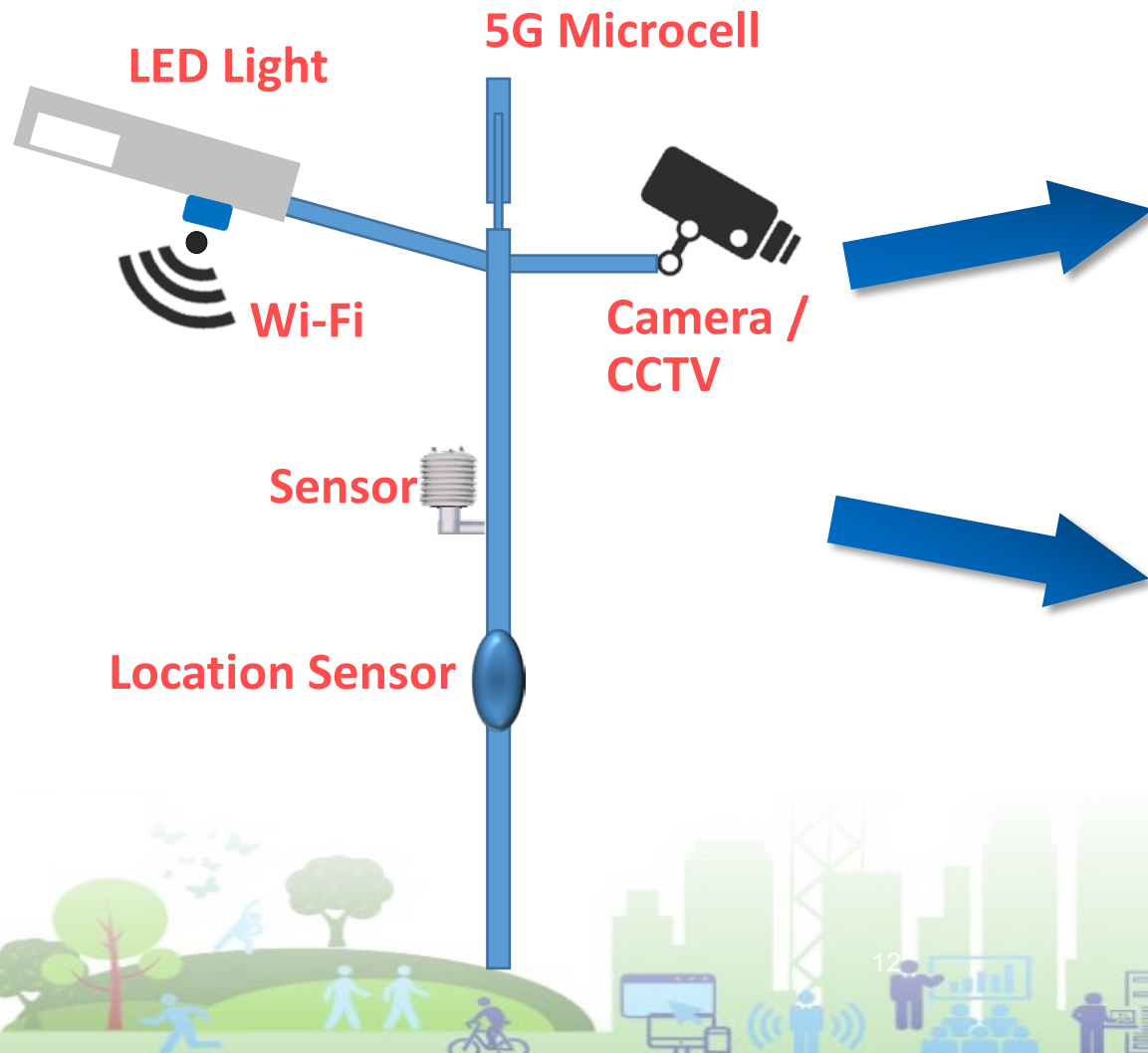
Login with eID

WHAT NEXT
- e-Banking
- e-Commerce
- Integrated e-Business
- e-Services of Public Organisations

- access to digital government services
- application/form submission
- facilities booking
- enquiry and complaint
- personalised information/notifications
- location-based information
- ......

Pilot Multi-functional Smart Lampposts Scheme

- Some 400 lampposts in 4 busy districts
- City data to be collected:
  - Meteorological and related weather data
  - Traffic
  - Environment
- Telecom services:
  - Wi-Fi access point
  - 5G Microcell
- Other services:
  - LED lighting
  - Location sensor

LED Light

5G Microcell

Wi-Fi

Camera / CCTV

Sensor

Location Sensor

Pilot Multi-functional Smart Lampposts Scheme

LED Light

5G Microcell

Wi-Fi

Camera / CCTV

Sensor

Location Sensor

BIG DATA

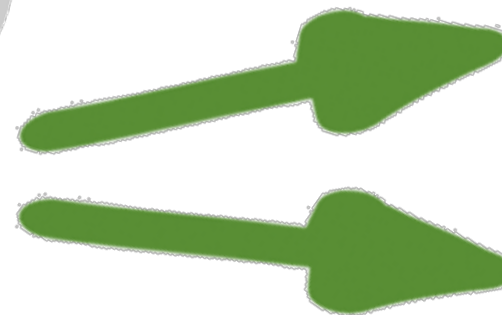Promote big data analytics in the Government and public/private sectors

Develop innovative smart city services and implement better real-time city management

Reform Development Technology
of e-Government Systems & Big Data Analytics Platform

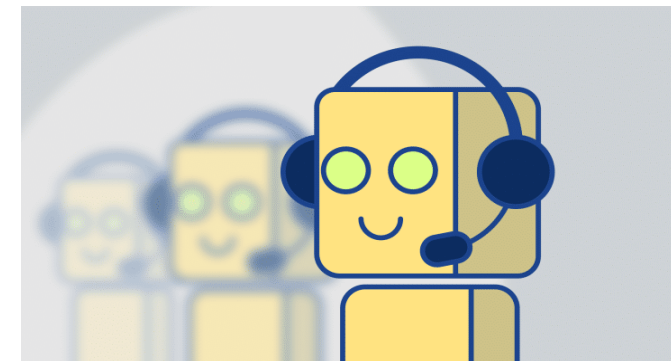**Big Data Analytics**
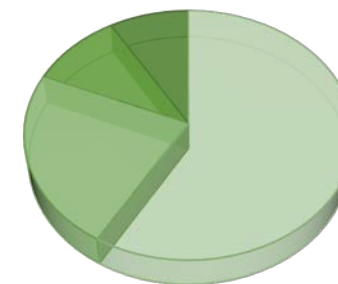
Next Generation Government Cloud Infrastructure
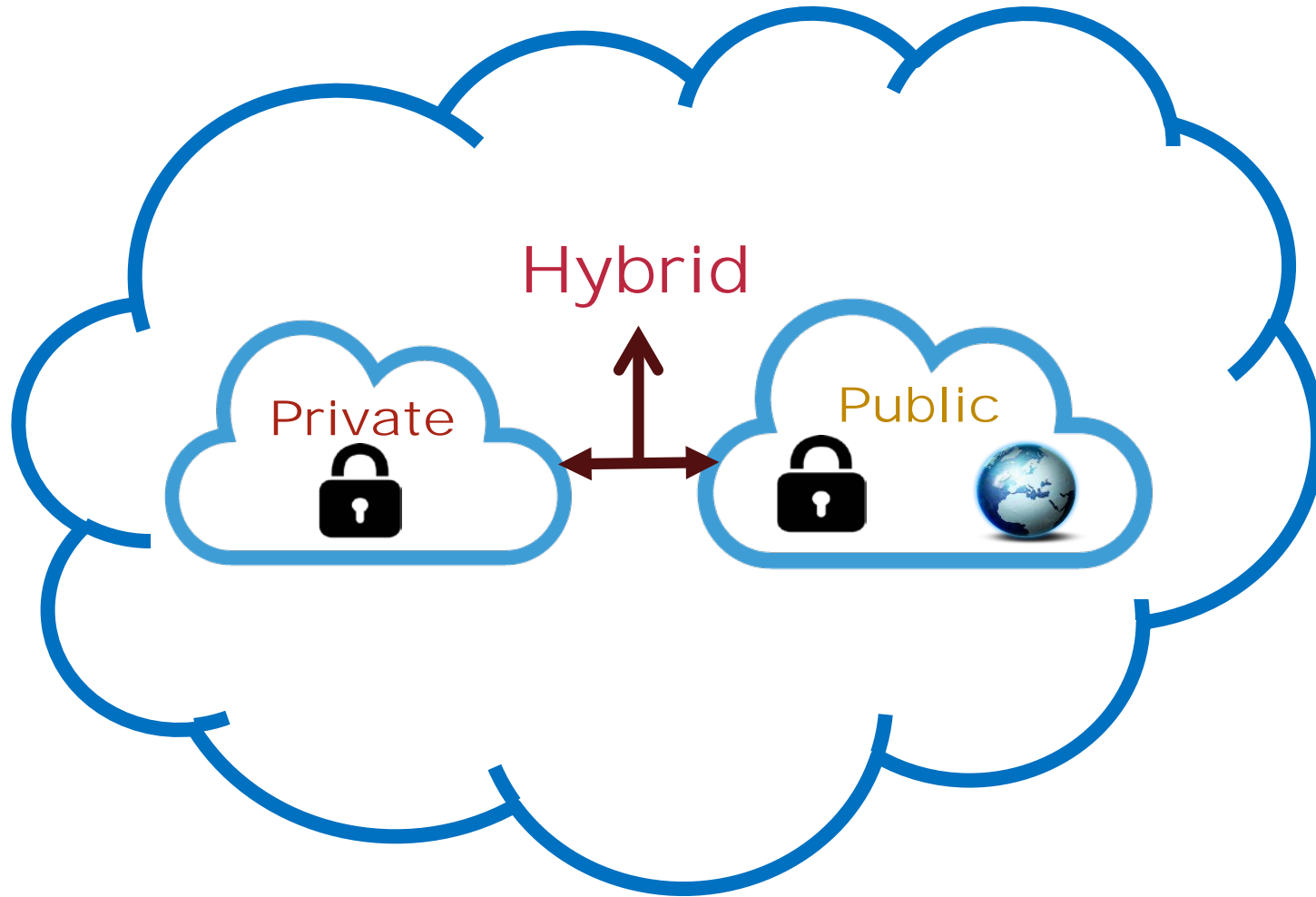
GovHK香港政府一站通

1823 Online

香港天文台
HONG KONG OBSERVATORY

Next Generation Government Cloud Infrastructure Services

Hybrid cloud with new application architecture that supports

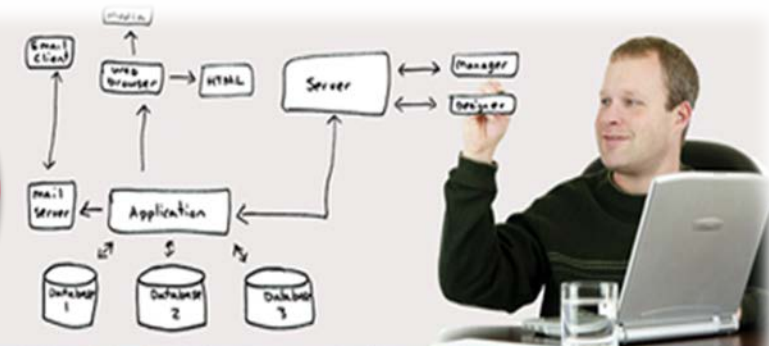- **Containerisation**
- **DevOps**

Open Data

3360+ datasets

69 providers

18 categories

~1250 APIs

Historical Data

Design Thinking

Open Data

資料一線通
DATA.GOV.HK

3.6 billions
data downloads
in 2018
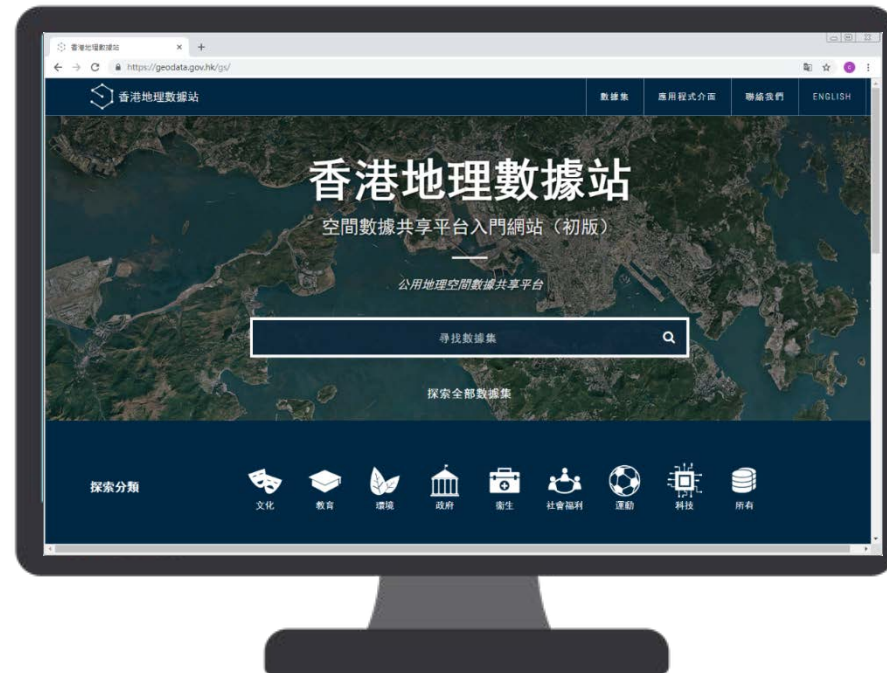
Open Data Policy

Annual Open Data Plan

Spatial Data
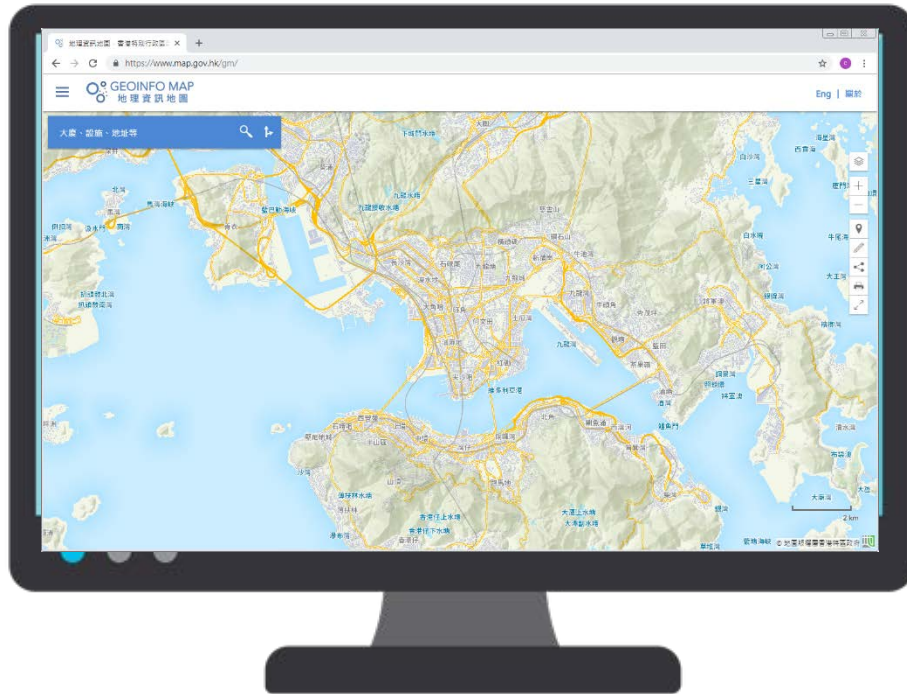
- **Facilitate Smart City Development and Geospatial Data Applications**
- **Launched on 10 December 2018**

Smart Government Innovation Lab

- **Pro-Innovation Procurement Policy**
  - ✓ More emphasis on technical than price
  - ✓ A certain percentage of technical marks allocated to innovative suggestions

- **Smart Government Innovation Lab**
  - ✓ to tap views from I&T industry and create more business opportunities for government adoption

Invite the industry to propose innovative ICT products and solutions

Government Departments
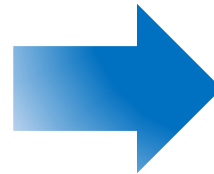
Technology matching, testing and verification

Investment in I&T Development

$18B   Upon establishment of ITB

$10B   Budget 2017-18

$50B   Budget 2018-19

$28B   Policy Address 2018

$23B   Budget 2019-20

Over $100B
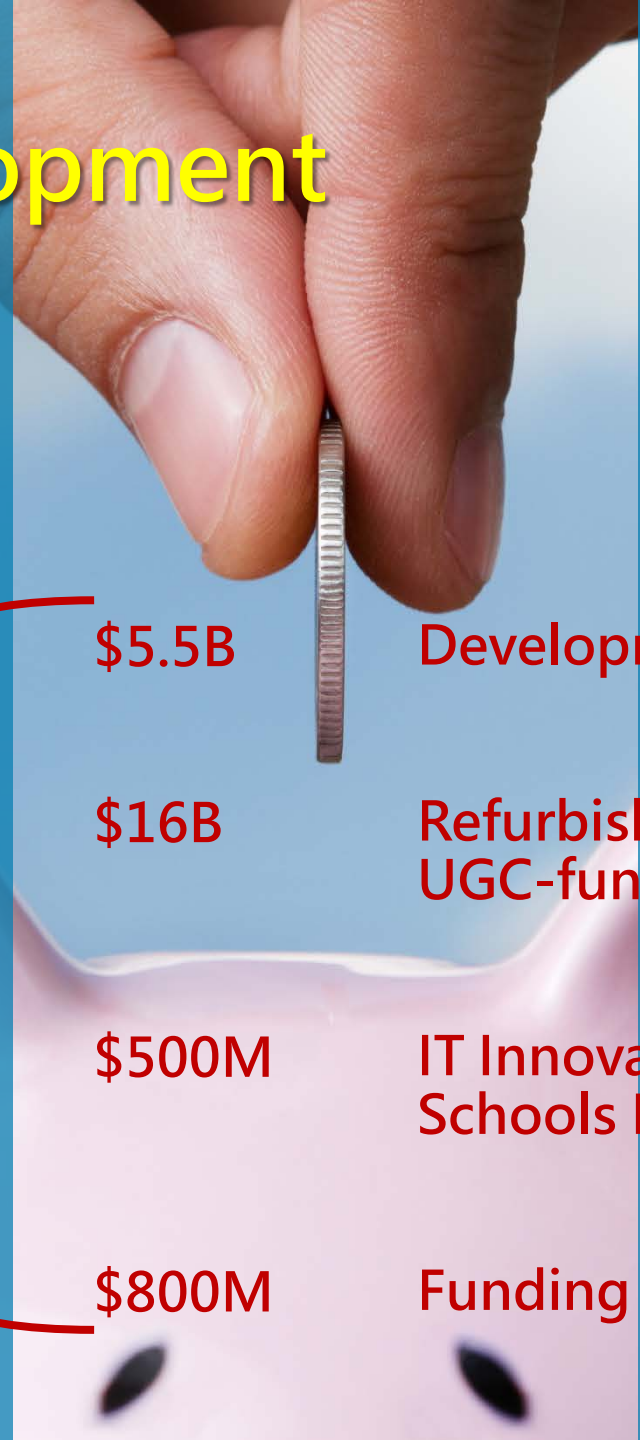
$5.5B   Development of Cyberport 5

$16B   Refurbish campus facilities for UGC-funded universities

$500M   IT Innovation Lab in Secondary Schools Programme

$800M   Funding for Applied R&D

Thank You