



# Technology Forum – “Support to the Elderly and Persons with Disabilities”

## Social Innovation and Gerontechnology

10 February 2021





# Agenda

**Introduction of the SIE Fund**

**Overview of Funded Projects**

**Examples of Innovative Projects**

**Challenges & Opportunities of an Aging Society**

**Establishment of Gerontechnology Platform**



## **S**ocial **I**nnovation and **E**ntrepreneurship Development **Fund**

In 2013, a HK\$500 million Trust Fund set up to **tackle poverty** and **social exclusion**, and foster **well-being** and **cohesion of the society** through social innovation and entrepreneurship

**+\$500 million**

(2019 Policy Address Supplement)



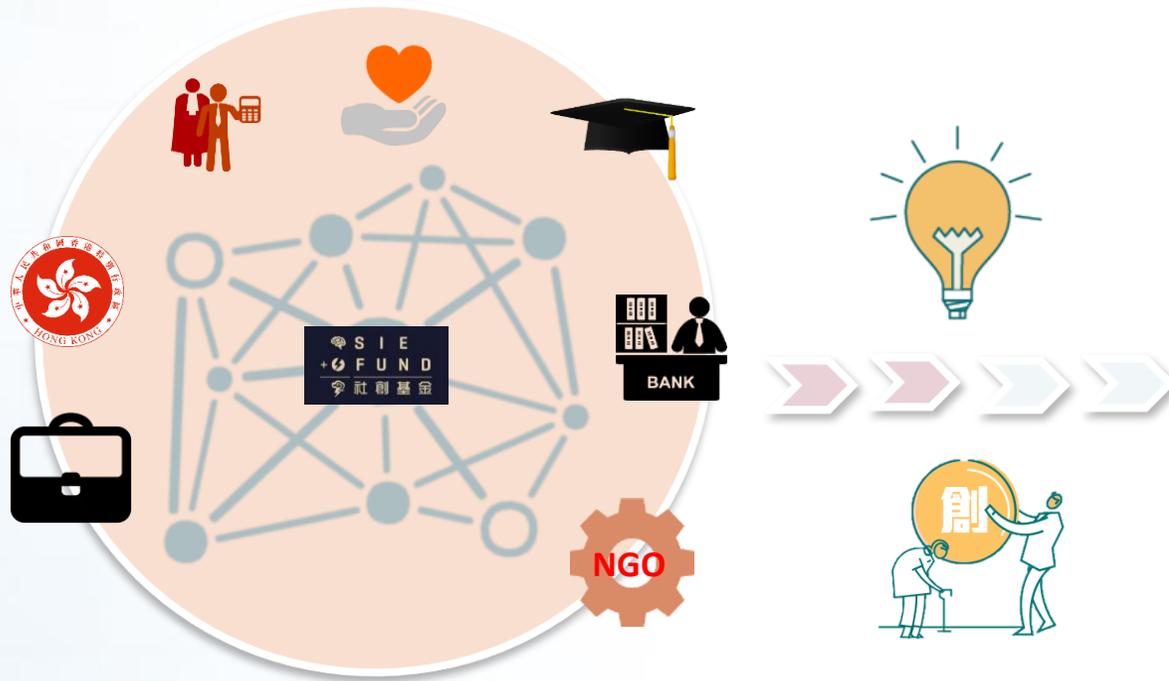
### Objectives



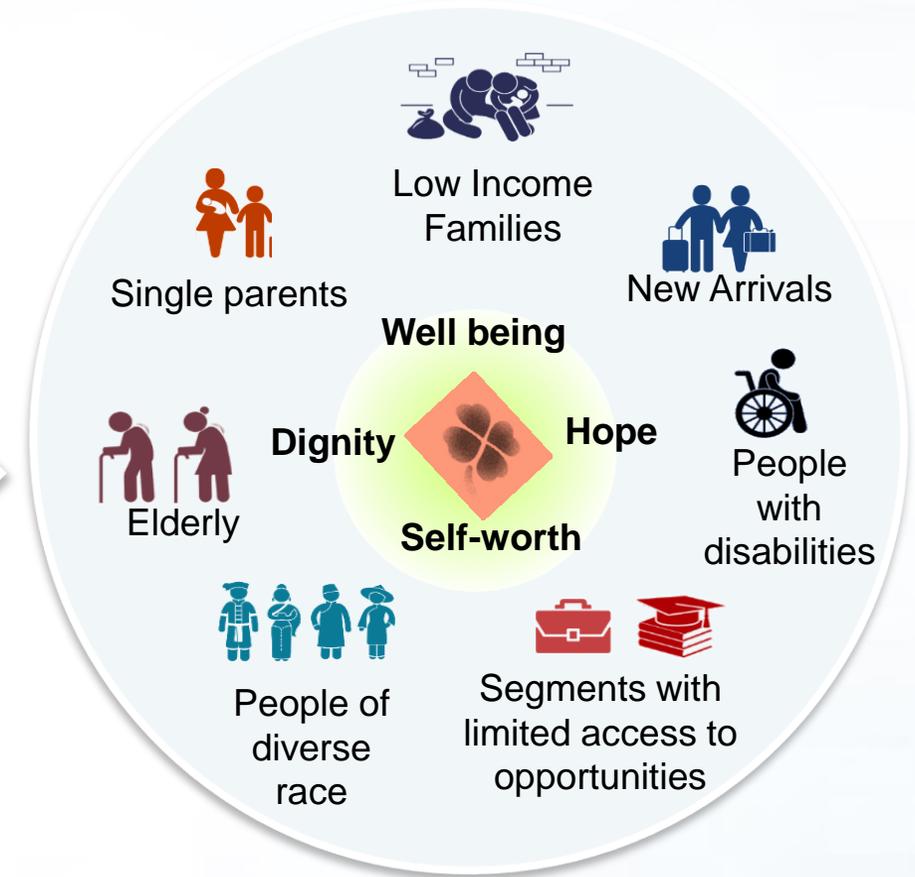
To establish or support schemes and experiments with a view to attracting, inspiring or nurturing **social entrepreneurship** to develop **innovations** that aim at creating **social impact** and build social capital for supporting **poverty relief** in Hong Kong

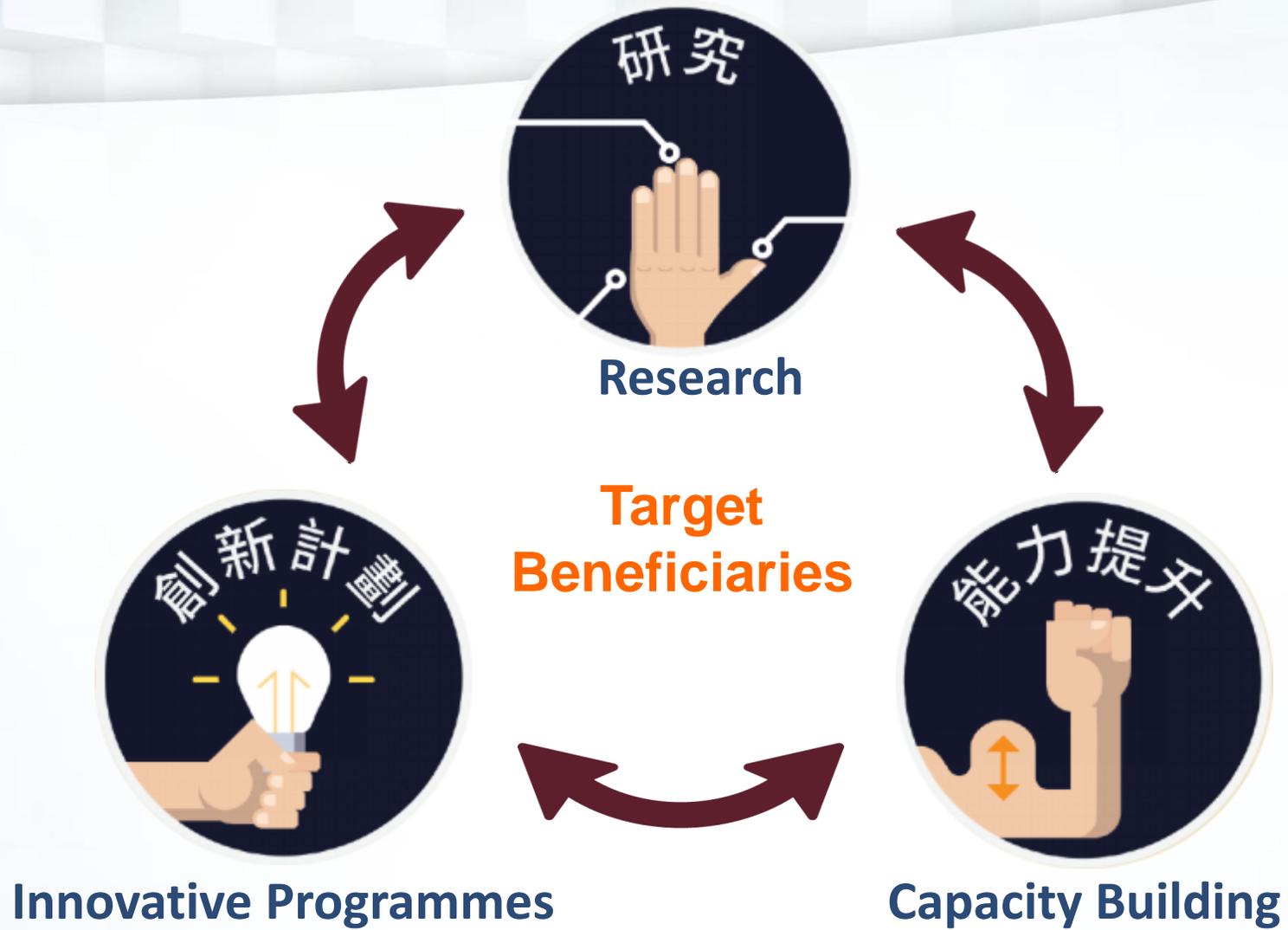
# Introduction of the SIE Fund (cont'd)

A **catalyst** for social innovation  
**connecting different sectors** to create  
 social impact through innovative  
 solutions that address social issues



## Ultimate beneficiaries





Jan 2021



**6 000+**  
Social entrepreneurs



**1 900+**  
Innovative ideas



**700+**  
Training & promotion events

**175 000+**  
Attendees

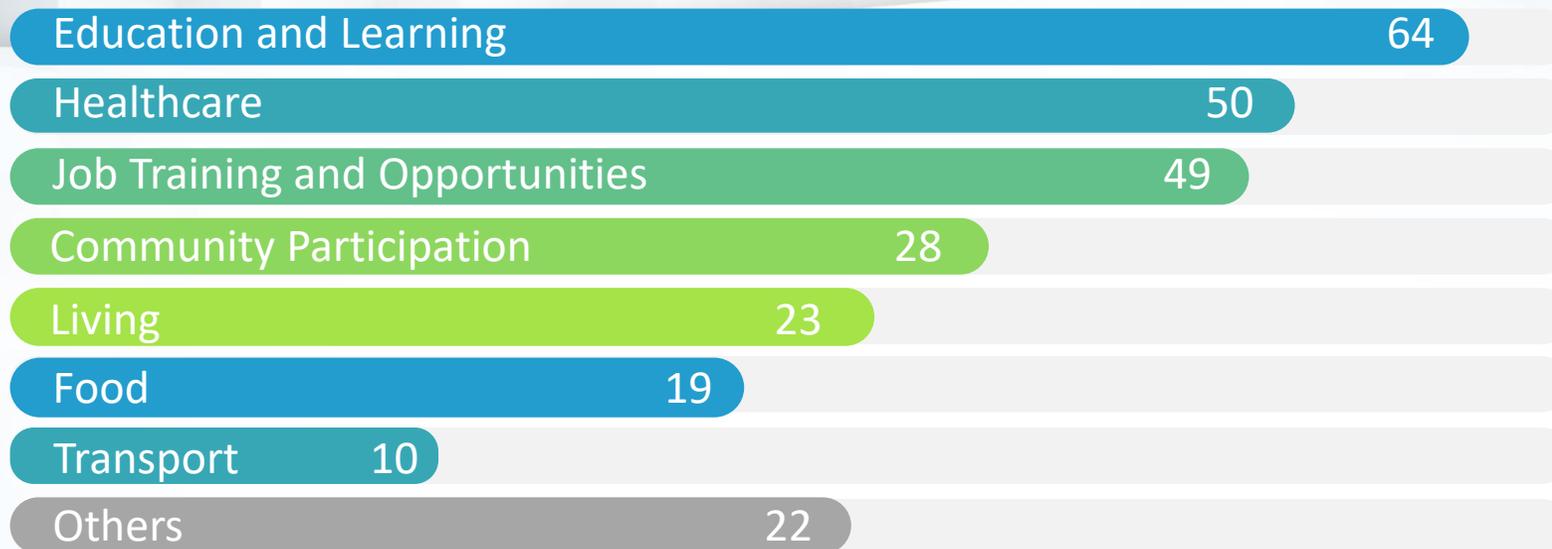


**265**  
Funded innovative projects

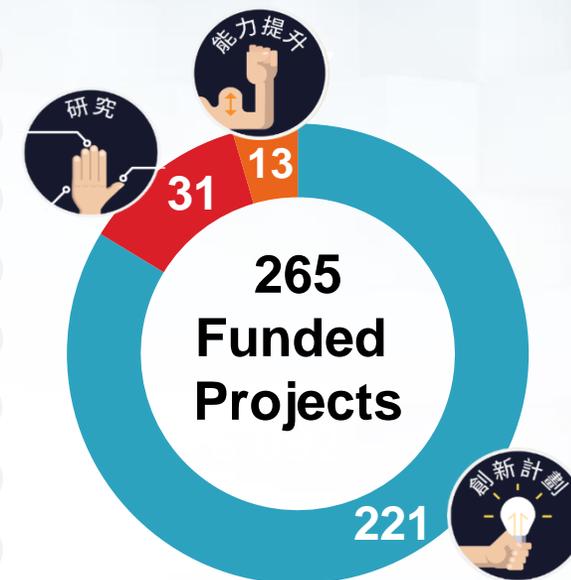


**279 000+**  
People in need

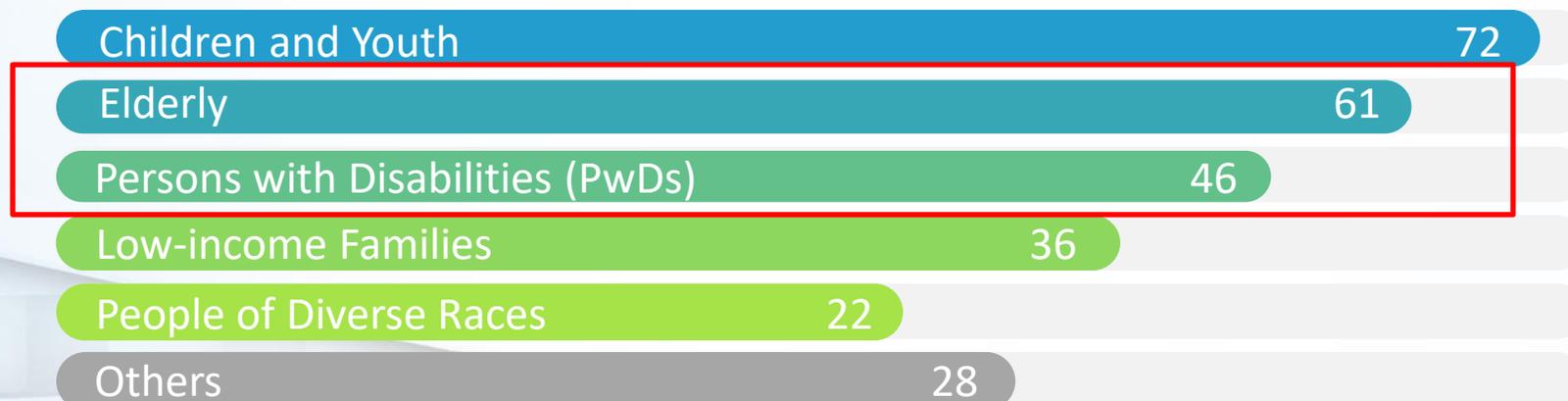
## By Service Nature



Jan 2021

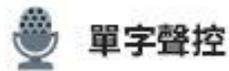


## By Ultimate Beneficiaries



## CP2Joy System

*A software programme utilising joystick and voice recognition tool to help persons with severe disabilities use computers with ease*



**單字聲控**

以單音下達指令(例  
如:a,e,i,o,u), 自選最佳單音  
聲控



**選擇字母**

只需要發出一個指定單音,  
便能實現打字鍵入



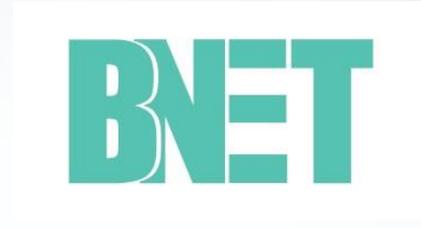
**移動鼠標**

以USB Joystick取代滑鼠  
以聲控系統實現電腦操控(例  
如:點擊左右鍵、拖放指令)



# STICKu

*To develop a multi-functional walking stick that enhances the safety and mobility of elderly*



**STICKu**  
A Simple & Smart Design

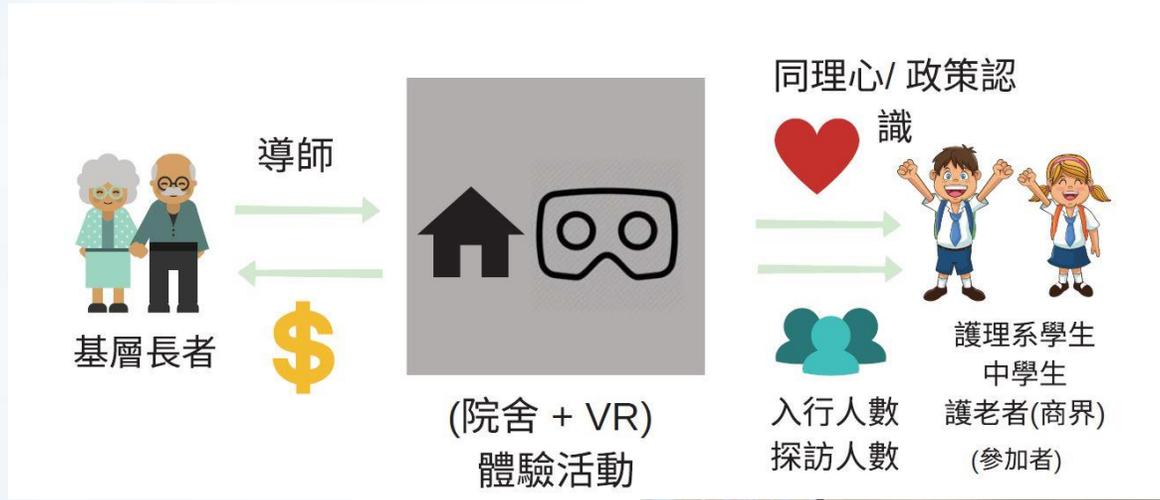
no button control, no training needs  
a sensor-driven device, automatic operation

- Emergency Alert**  
SOS button to emit beep and send SMS
- Fall Down Alert**  
send SMS to caretaker when detected fall down
- Anti-Loss Alert**  
auto alert when device loose connection
- Smart Warmer**  
auto warm handle in cold weather
- Smart Lighting**  
auto light in the dark
- Splash Resistant**  
more durable



## Eldpathy VR-erly Simulation Program

*Using virtual reality videos in experiential activities to enhance participants' understanding of the life of elderly living in residential care homes*



## NeuroGym

*A game-based platform for detection and monitoring of dementia and mood disorder of elderly*

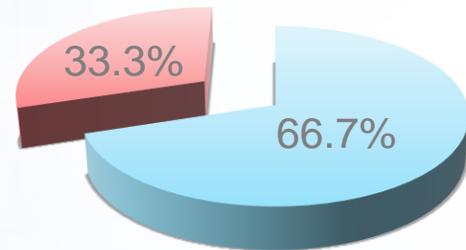


# Challenges & Opportunities of an Aging Society

## Challenges & Opportunities

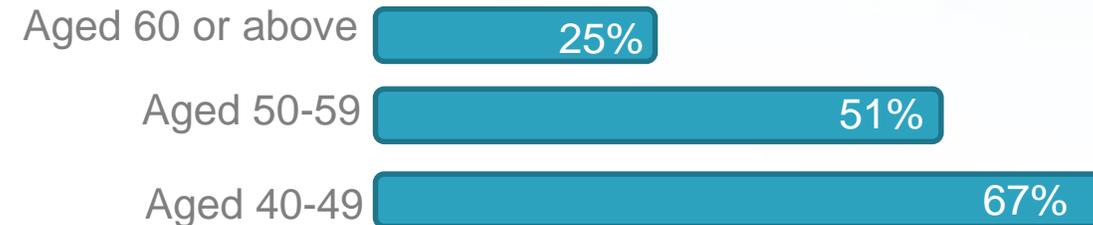
Projected HK Population in 2039\*

Aged 65 or above



Aged 64 or below

Percentage of HK Population who had received secondary or tertiary education in 2016



Better educated and wealthier ageing population in the future

## Gerontechnology

- ❑ Gerontechnology, combining gerontology with technology, is widely recognised as a key to addressing the challenges and tapping the opportunities arising from the ageing population
- ❑ These products and services may very often be applied to rehabilitation and cater for the needs of people with disabilities

## Gerontechnology Landscape Study 2017

Five key highlights of **gaps and difficulties** involving different stakeholders across various stages of the gerontechnology ecosystem

1. Society's lack of awareness in the importance of technology
2. Lack of collaboration
3. Valley of death
4. Cultural differences and difficulties in product localization
5. Lack of testing ground for new products



## 2020 Policy Address (Nov 2020)

Design, develop and operate an inclusive **“Gerontechnology Platform”** under the **Social Innovation and Entrepreneurship Development Fund** to link up different stakeholders on the supply and demand sides and enhance synergy by way of engagement, cross-sector partnership and collaboration. The goal is to foster the development and application of gerontechnology as a means to enhancing the well-being, quality of life, independence and self-reliance of the elderly as well as providing support to their families, caregivers, healthcare staff and institutions, particularly under the “new normal”.



# Establishment of Gerontechnology Platform (cont'd)

- SIE Fund has appointed a collaborative coalition of 10 organisations led by the Hong Kong Council of Social Service as an **intermediary** to design, develop and operate an inclusive one-stop Gerontechnology Platform in Hong Kong

**Appointed Intermediary:**



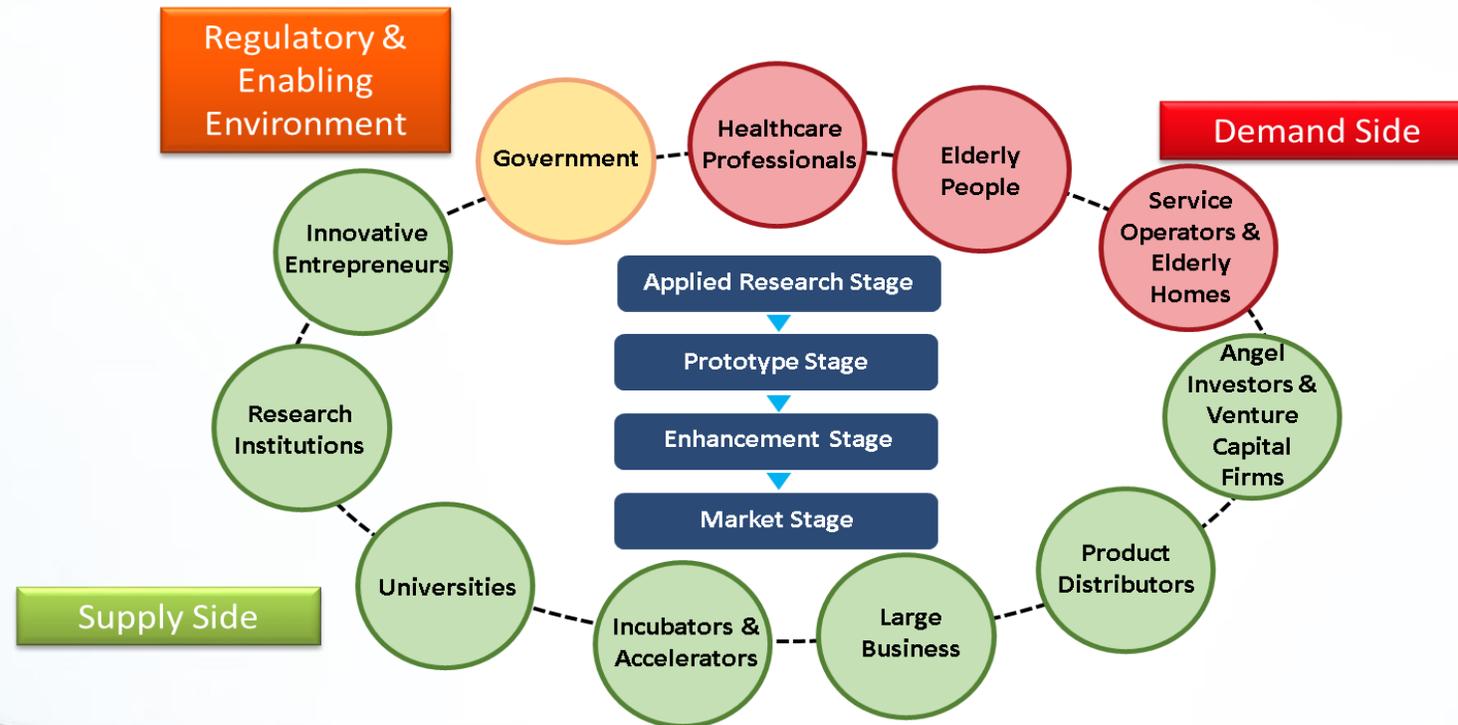
**Coalition Partners:**



# Establishment of Gerontechnology Platform (cont'd)

## Objectives

- To design, develop and operate an **inclusive gerontechnology platform** to link up different **stakeholders on the supply side** and **connect the supply side with the demand side** of the gerontechnology ecosystem through **engagement, cross-sector partnerships and collaboration** with the goal of fostering the development of the gerontechnology ecosystem in HK



- The project has commenced on 1 January 2021 and will last for **three years**

## Basic Elements

The platform will comprise the following **four basic elements**:



# Establishment of Gerontechnology Platform (cont'd)



- An **online repository of different resources** relating to gerontechnology for all stakeholders
- To **keep individual stakeholders updated** of the latest information with **suitable analysis**

**Online repository of GP's events & services, industry news, funding schemes etc.**

**Channel to handle enquiries**

**Portals for product suppliers & NGOs**

**Database for recording & managing stakeholder activities**

# Establishment of Gerontechnology Platform (cont'd)

- To establish **networks** and organise **activities and events**
- To **collaborate** and **link up** existing and future set-ups, initiatives and efforts of existing and new stakeholders which serve to facilitate the development of the gerontechnology ecosystem



Local study visits

Overseas study  
tours

Annual summits on  
technology  
adoption and  
development

Theme-based study  
report

Briefing, training  
sessions, etc.

# Establishment of Gerontechnology Platform (cont'd)

- To provide **consultancy or mentorship** to gerontechnology start-ups for developing or commercialising their products



Consultancy  
support services

Gerontechnology field  
trial support  
services

- To organise **tours** to local and overseas exhibitions, and identify and source **suitable overseas products** for HK market

# Establishment of Gerontechnology Platform (cont'd)

- To provide **testing support** through:
  - **Engagement of service entities** to showcase and test new products
  - Provision of **professional and technical support and advice** for **testing sites**
  - Facilitation of suppliers / service providers in buying **insurance** for testing new products
  - Compilation and dissemination of **testing records and results**



Testing product in  
residential home  
and day care setting

Testing product at  
the community



- To conduct **2nd landscape study** of gerontechnology in HK
- To design and implement a mechanism to regularly measure and evaluate the **effectiveness of the Platform**

**Landscape study  
2.0**

**Impact assessment  
of Gerontechnology  
Platform**



## Enquiries on Gerontechnology Platform

The Hong Kong Council of Social Service

Hotline: 3611 8311

Email: [GTPlatform@hkcss.org.hk](mailto:GTPlatform@hkcss.org.hk)

Stay tuned!



SIE Fund Official Website  
[www.sie.gov.hk](http://www.sie.gov.hk)



SIE Fund Facebook fan page  
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