



OUR HONG KONG
FOUNDATION
團結香港基金



Gerontechnology Landscape Report 2.0

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Our Hong Kong Foundation

Research • Advocate • Engage
研究 • 倡議 • 推動



Background of Gerontech Landscape Report 1.0



First gerontechnology report in Hong Kong

Analyzed different gerontech products & identified gaps facing Hong Kong's gerontech ecosystem



- Published in 2017
- Commissioned by SIE Fund
- Key partner: The Hong Kong Council of Social Service

Findings from Gerontech Landscape Report 1.0



Gaps identified from Gerontech Landscape Report 1.0



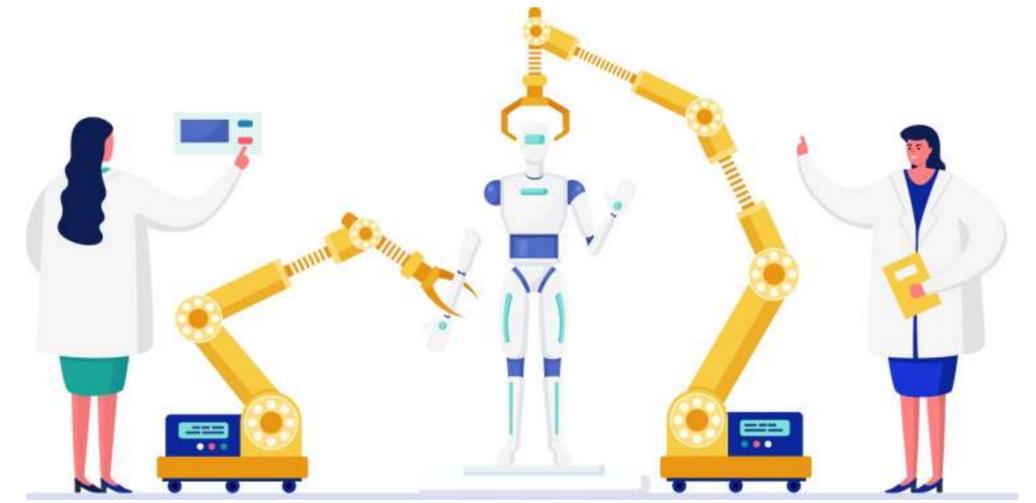
Government

- | |
|---|
| 1. Lack of Awareness |
| 2. Government is Highly Risk Averse |
| 3. Outdated Regulatory Systems |
| 4. Insufficient Retirement Protection for Elderly |



Applied Research Stage

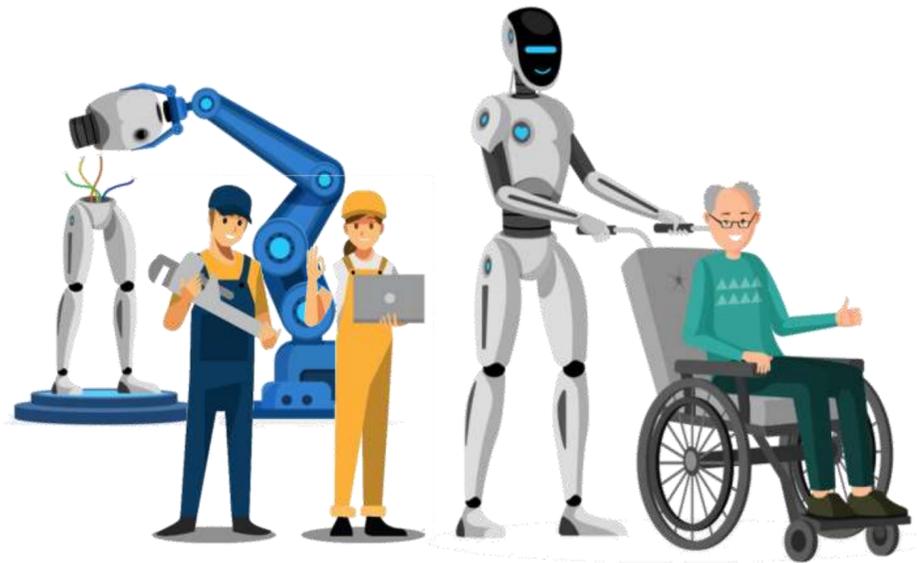
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| 5. Insufficient Applied Research Funding |
| 6. Lack of Human Resources |
| 7. Systemic Issues with Academia |



Prototype Stage

- | |
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| 8. Spin-Off and Licensing Difficulties |
| 9. Lack of support for start-ups |
| 10. Risk of idea-sharing for start-ups |
| 11. Exhausting medical device registration procedure |

Gaps identified from Gerontech Landscape Report 1.0



Enhancement Stage

- | |
|---|
| 12. Product design not catered to elderly |
| 13. Lack of testing ground |
| 14. Cultural differences & localization difficulties |



Market Stage

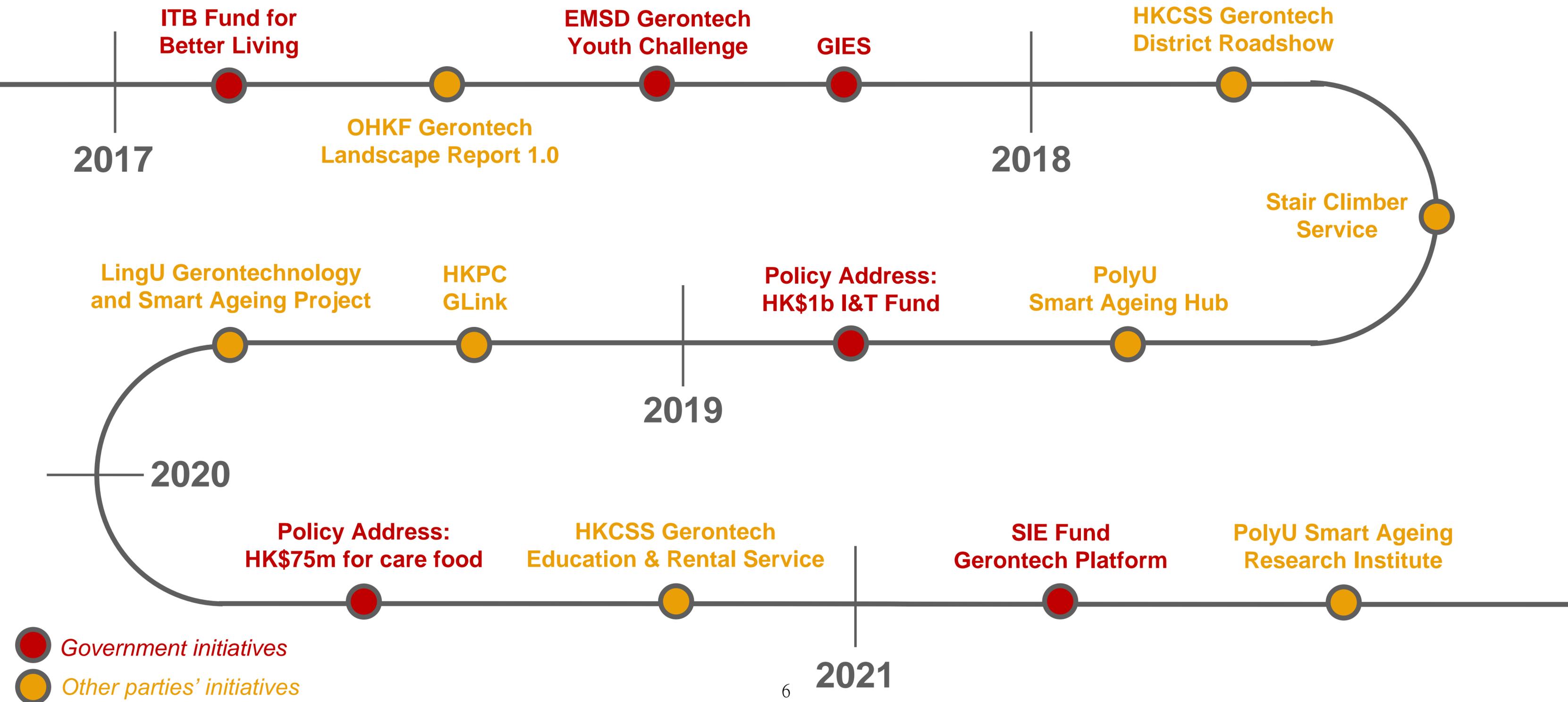
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|---------------------------------------|
| 15. Limited market size |
| 16. Poor segmentation |
| 17. Rental risks |
| 18. Products are too expensive |
| 19. Exhausting procurement procedures |
| 20. Refusal to accept new tech |



Insufficient Collaboration

- | |
|--|
| 21. Insufficient university-R&D center collaboration |
| 22. Insufficient R&D center – private sector collaboration |
| 23. Insufficient NGO – private sector collaboration |
| 24. Insufficient medical – social collaboration |

Key Gerontech Initiatives since 2017



SIE Fund Gerontechnology Platform

S I E
+ F U N D
社創基金



4 Key Functions of GT Platform

(1) Knowledge Hub

(2) Network & Capacity Building

(3) Consultancy, Localization, Testing Support

(4) Impact Assessment



OHKF Gerontechnology Landscape Report 2.0

Summary of Updates of Key Gaps from Gerontech Report 1.0



Awareness

- ✓ GIES
- ✓ Roadshows
- ✓ Showrooms
- ✓ \$1b I&T Fund

Remaining gaps:

- Education
- Talent development
- Infrastructure



Collaboration

- ✓ Gerontech Platform
- ✓ HKPC GLink
- ✓ PolyU & LingU Centres
- ✓ Stair Climber & Rental Service

Remaining gaps:

- Consistent opportunities for supply & demand interaction



Valley of Death

- ✓ ITB Fund for Better Living

Remaining gaps:

- Sustainable funding across the entire value chain



Testbed

- ✓ \$1b I&T Fund Trials
- ✓ GT Platform Testing Support
- ✓ Informal trials

Remaining gaps:

- User feedback across the entire value chain



Localization

- ✓ GIES
- ✓ \$1b I&T Fund
- ✓ \$75m Care Food subsidy

Remaining gaps:

- Industrial standards
- Export possibilities

Key Levers of Gerontech Landscape Report 2.0

Enlarged ecosystem + Remaining gaps + More mature dynamics



1



USER FEEDBACK

Lack of user input across the entire gerontech value chain

2



MARKET SUSTAINABILITY

Lack of varied financial sources to sustain the industry

3



INFRA-STRUCTURE

Lack of relevant gerontech-friendly infrastructures

4



TALENT DEVELOPMENT

Lack of personnel with technical know-how

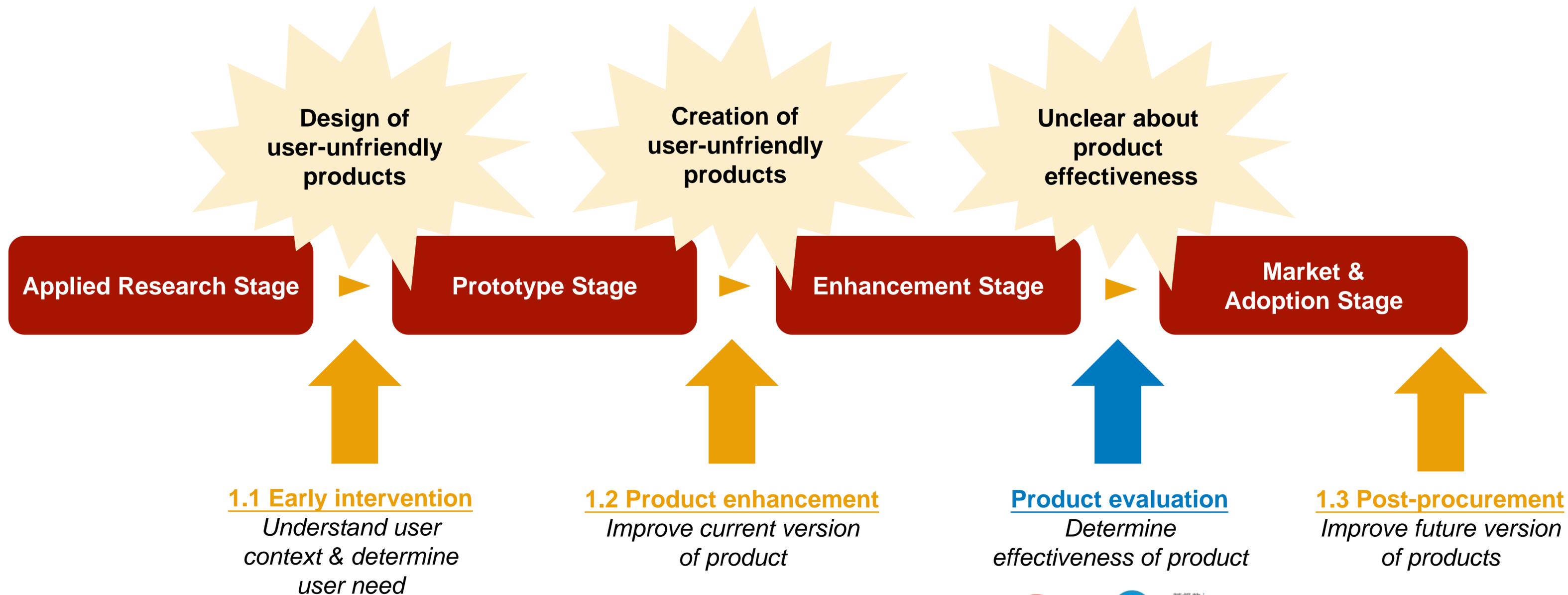
5



GLOBAL CONTEXTUALIZATION

Lack of information on how to import or export gerontech products

1 - Lack of continuous user feedback loop across the value chain



2 - Gerontech market is currently not self-sustaining

Gerontech market is currently very small and limited

2.1 Elderly living in care homes

<8.1%*

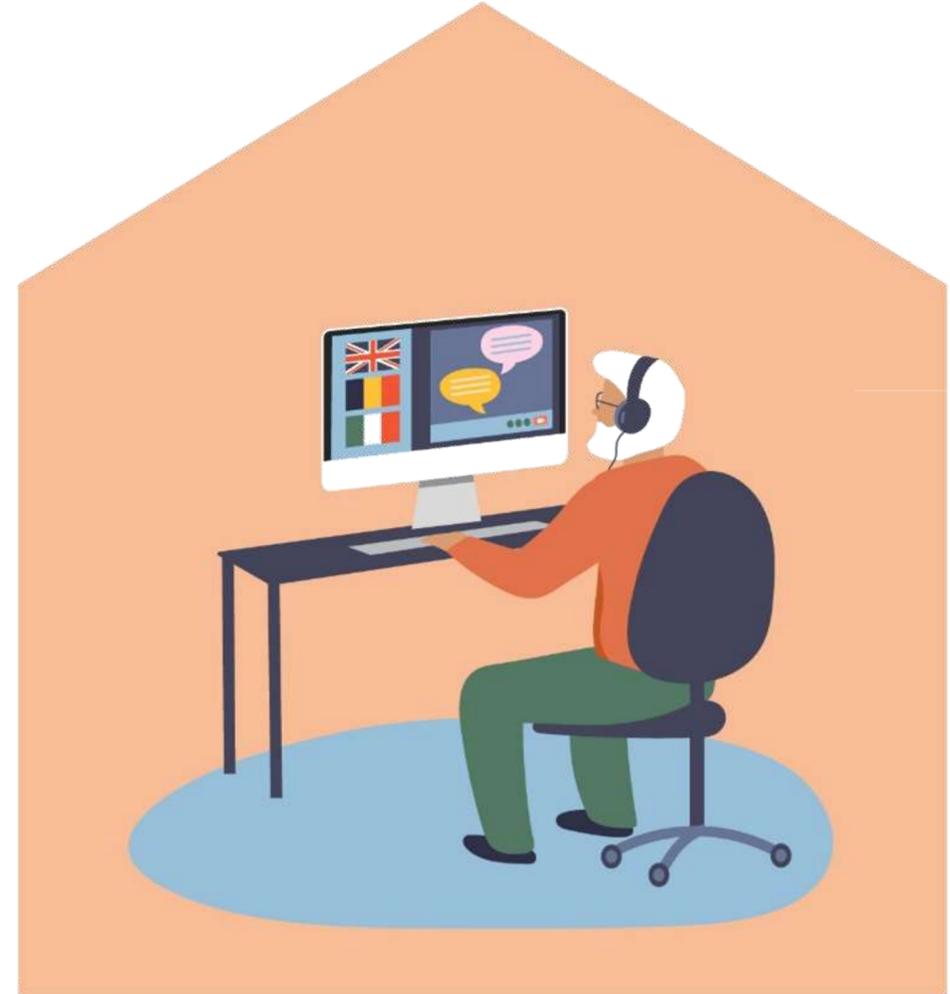
社會福利署
Social Welfare Department
Innovation and Technology Fund for Application in Elderly and Rehabilitation Care



2.2 Elderly living in community

91.9%

Inadequate Funding Support



Note: 8.1% includes persons age 65+ who live in elderly homes, hospitals, penal institutions etc.

Source: Census and Statistics Department, 2016

3 – Lack of gerontech-friendly infrastructures



3.1 Geographic issue

Elderly & carers cannot easily access gerontech in their neighborhood

| | |
|--------------------------------------|---|
| <p>Annual large-scale exhibition</p> | <p>樂齡科技博覽暨高峰會 Gerontech and Innovation Expo cum Summit</p> |
| <p>One-off district roadshow</p> | <p>社聯 Logistics and Supply Chain MultiTech R&D Centre 物流及供應鏈多元技術研發中心</p> <p>LU Jockey Club Gerontechnology and Smart Ageing Project 嶺大賽馬會樂齡科技與智能安老計劃</p> |
| <p>Showroom</p> | <p>賽馬會 a 家 Jockey Club age at home 樂齡科技教育及租賃服務 Gerontech Education and Rental Service</p> <p>LU Jockey Club Gerontechnology and Smart Ageing Project 嶺大賽馬會樂齡科技與智能安老計劃</p> <p>HONG KONG HOUSING SOCIETY 香港房屋協會</p> <p>PROJECT FUTURUS</p> |

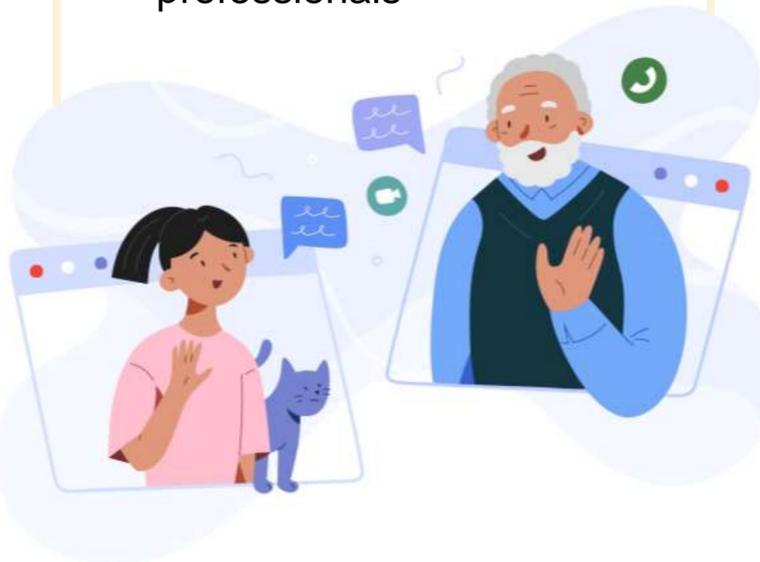
4 - Overcoming the gerontech talent gap

Problem: Difficulty for elderly to approach relevant gerontech-affiliated professionals

Prerequisite: Awareness

Awareness about gerontech must target young people as well

- Encourage grandparents to use gerontech
- Future gerontech professionals



Assessment (Body & Home Condition)



Occupational Therapists

Installation



Suppliers or service provider

Usage



End-users

Maintenance



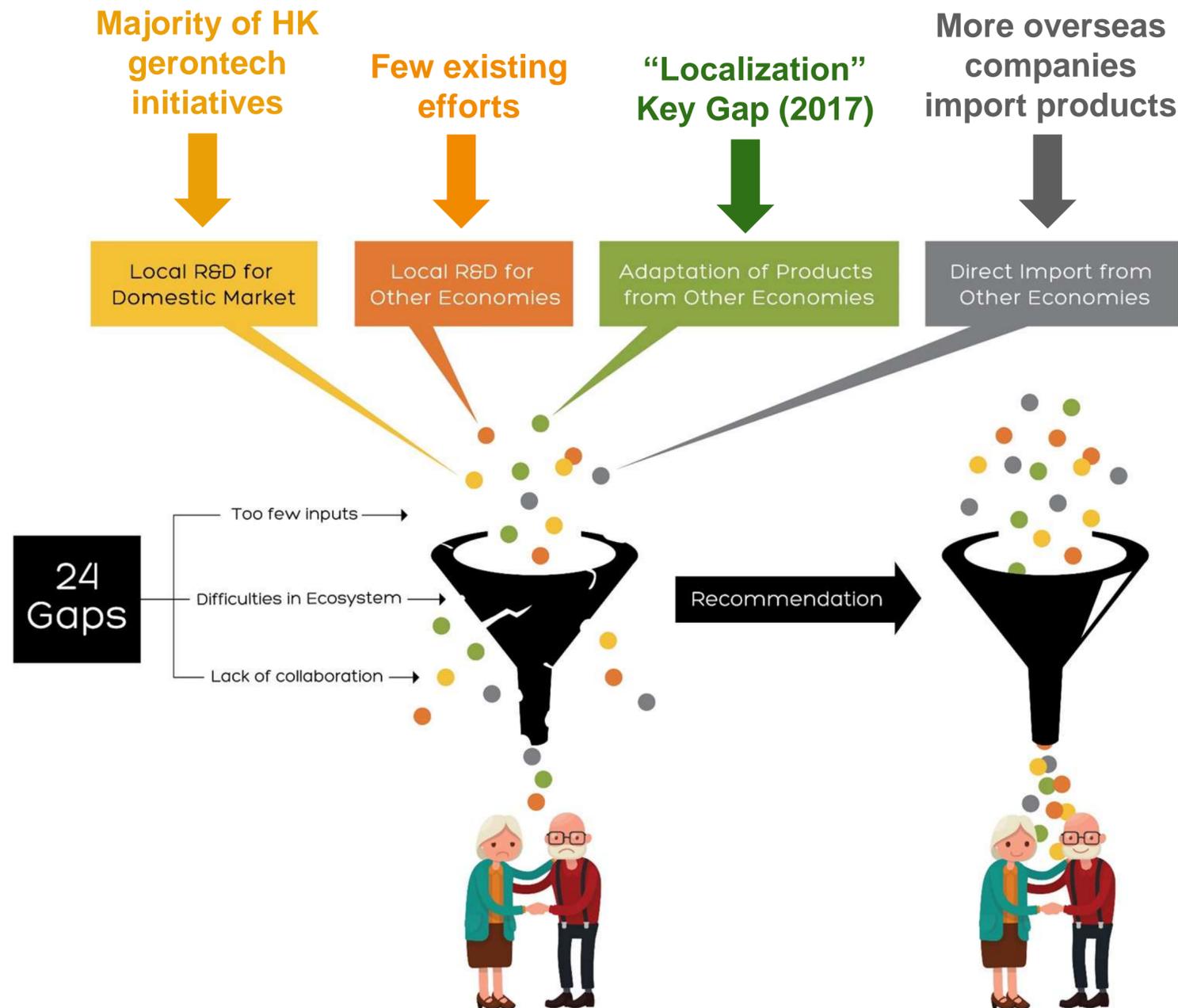
Suppliers or service provider

Gerontech Equipment Case Managers

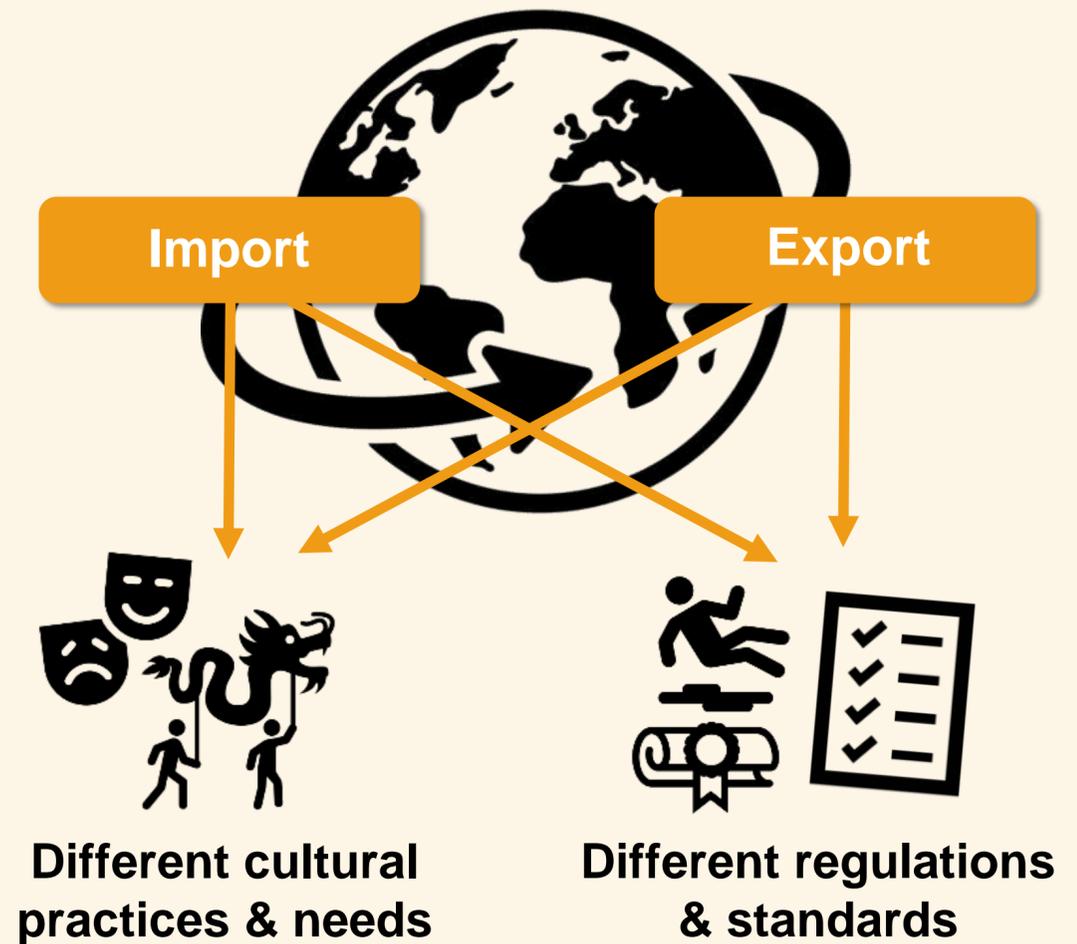
Train professionals that serve as the **first point of contact** for patients and **supervise** the process of **gerontech equipment case management**

5 – Expansion of the Hong Kong gerontech market

Why export? To further grow, develop, and mature Hong Kong's gerontech market



Key considerations for global contextualization





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公共政策研究院
PUBLIC POLICY INSTITUTE

Thank you
