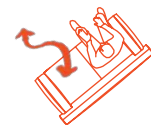
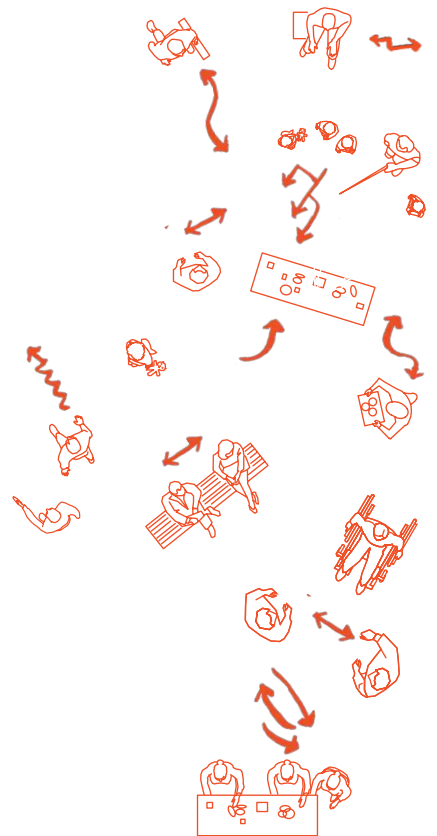


# Archi-puncture for Ageing-in-Community, Active Living and Dementia Inclusivity

Associate Professor  
Architecture and Sustainable Design  
Singapore University of Technology and Design





## Singapore University of Technology and Design (SUTD)

The Singapore University of Technology and Design (SUTD) is Singapore's fourth public university, established in collaboration with the Massachusetts Institute of Technology (MIT) to advance knowledge and nurture technically-grounded leaders and innovators to serve societal needs. Also in collaboration with Zhejiang University and Singapore Management University, SUTD, a research-intensive university and a pioneer in design-centric, interdisciplinary education, is focused on identifying and analyzing real-world problems, and coming up with comprehensive, systematic, and practical solutions.



Led by Associate Professor Dr. Chong Keng Hua, Social Urban Laboratory (SOULab) is a design research lab based in SUTD, focusing on evidence-based design for **health**, **equity**, **agency** and **life**, through investigating the relationships between people and the environment. Our research interests include demographic shift, healthy longevity, placemaking, place-keeping, asset-based community design, and other emerging urban phenomena. Based on extensive design ethnographic studies and participatory action research, we aim to develop a new design framework that shift the paradigm from urban design to "urban life design", towards a long-term vision of social sustainability.

# 1 in 4

Singaporeans will be seniors  
aged 65 and above by **2030**





# 1 in 3

Singaporeans will be seniors  
aged 65 and above by **2050**







SENIOR CITIZENS' CORNER









Photo: Chong Keng Hua

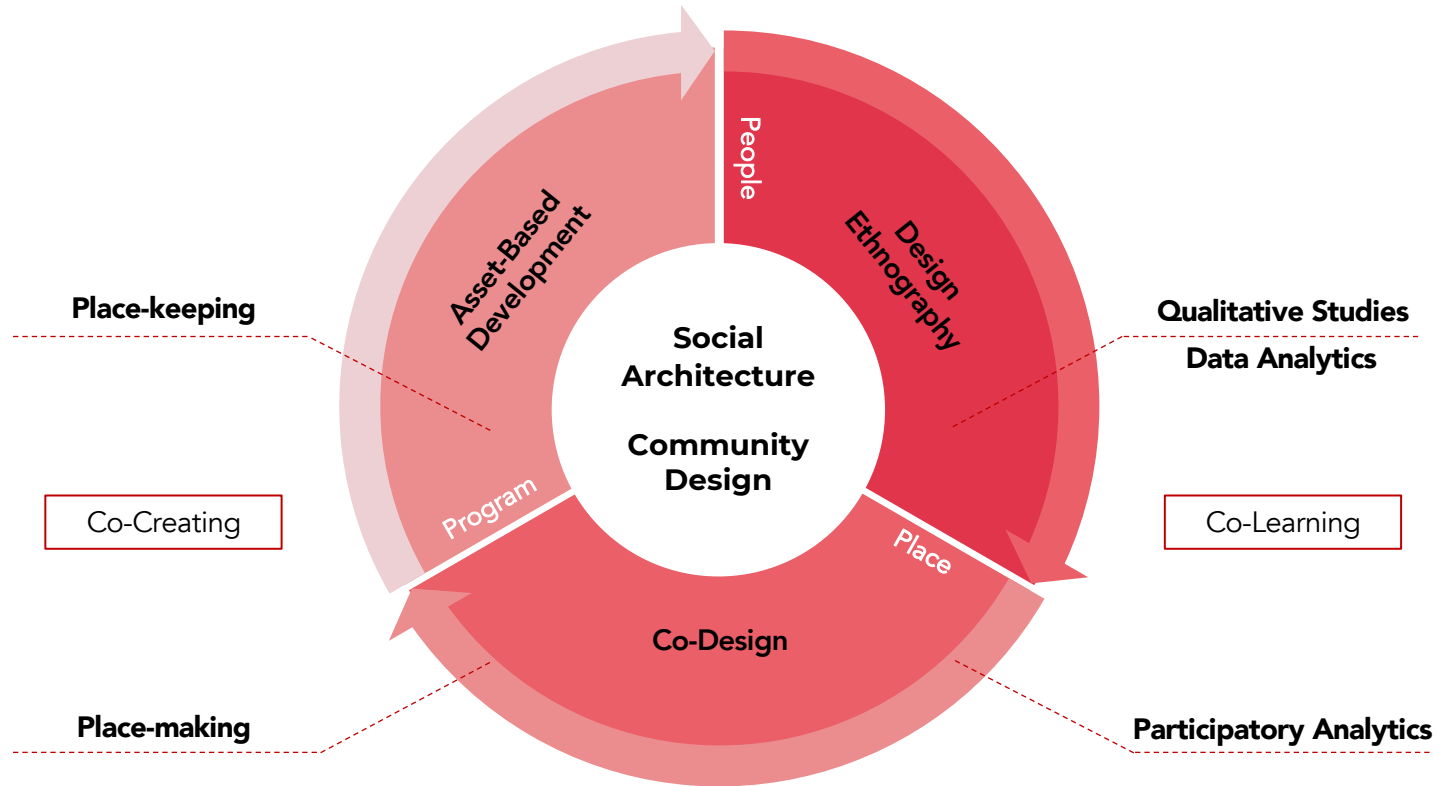


Please return my flowers that  
you had taken. Otherwise some-  
thing will happen to you.  
Thank you.

Please don't take away any  
plant from here.



# Research & Design Framework



# Design Ethnography

## Case Studies



Social Urban  
Laboratory



### CREATIVE AGEING CITIES

PLACE DESIGN WITH OLDER PEOPLE IN ASIAN CITIES

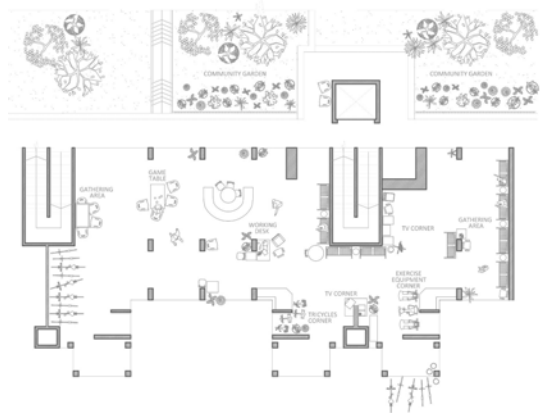
Edited by  
Keng Hua Chong and Mihye Cho



Singapore



Japan



South Korea



# Design Ethnography

Uncovering the New 5Cs that Seniors Need (Scharlach, 2016)



## CONTINUITY

Maintain established  
social patterns



## COMPENSATION

Meet basic health &  
physical needs



## CONNECTION

Meaningful interpersonal  
interactions



## CONTRIBUTION

Make positive  
impacts on others



## CHALLENGE

More physical, intellectual  
& social stimulations

Ageing-in-Place

Age-friendly

Active Ageing

Ageing-in-Community

Home-bound  
Independence  
Universal design  
Design **For**



Community-enabled  
Interdependence  
Adaptive design  
Design **With**





# Smart Void Deck

HDB Community Living Room



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**SilverCOVE**

NTUC Health Senior Wellness Centre

Best part of the art of living  
is how to grow old gracefully.  
- Eric Hoffer

EXIT

**COLOURS**  
collectively ours



# New Horizon

ADA Dementia Day Care

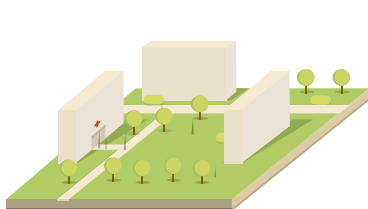


# Design Approach

For Ageing-in-Community

## DE-INSTITUTIONALISE

Bring healthcare down to  
community level



## DE-LOCALISE

Break away from location-based,  
move towards more interest- or  
cause-based social spaces



## DIFFERENTIATE

Segment personal care  
from medical care,  
create new living models  
within community



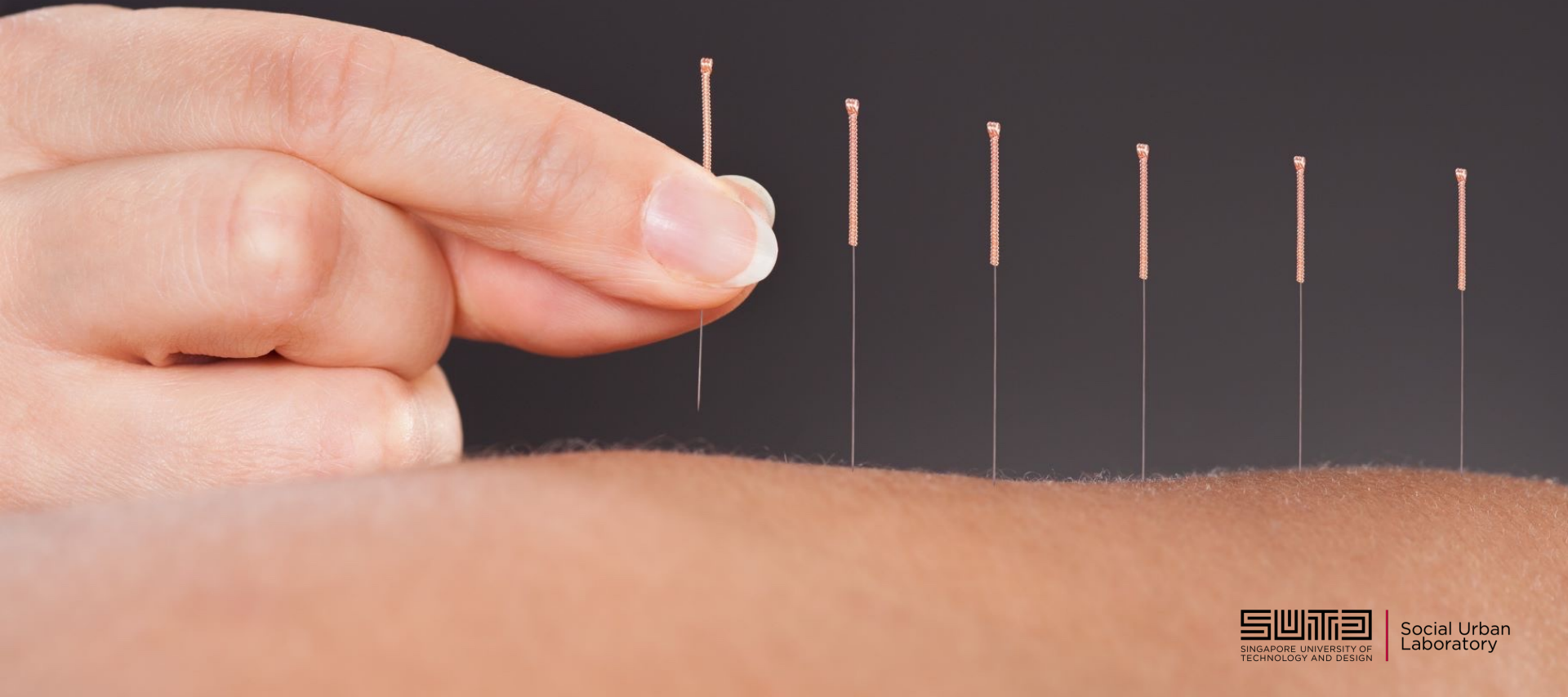
## DEVELOPMENT

Focus on self-development &  
growth, mutual support among  
seniors and across generations



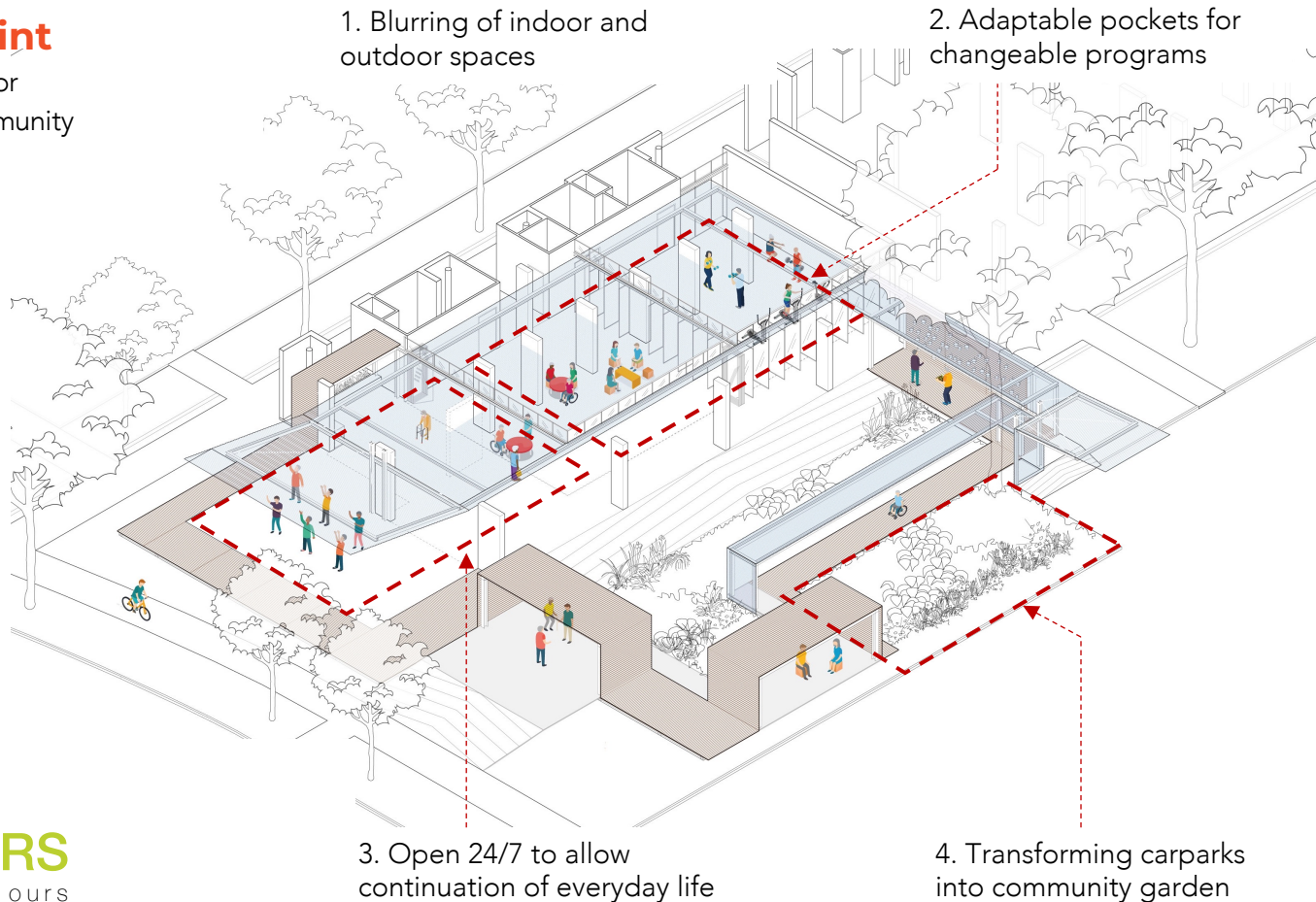


## “ ARCHI - PUNCTURE ”



# TOUCHpoint

Archi-puncture for  
Ageing-in- Community





PROJECT 1

## TOUCHpoint

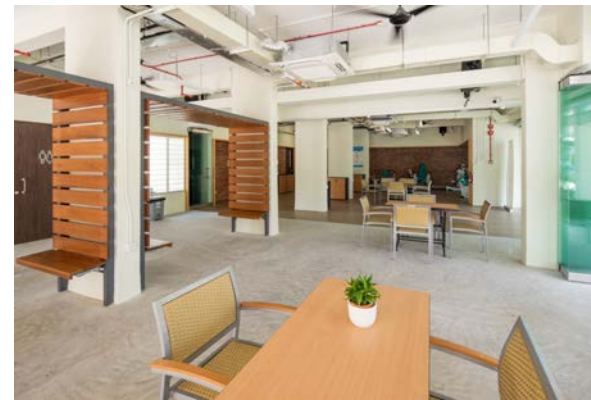
Archi-puncture for  
Ageing-in- Community



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collectively ours



Photo: Oddinary Studio





# Pelatok Art Farm

Archi-puncture for Mental Wellbeing



Social Urban  
Laboratory



SOFTWARE

WEEK ONE

WEEK TWO

WEEK THREE

WEEK FOUR

PLACE DESIGN  
WITH RESIDENTS

Co-design Workshops

GUI: Sensory Farm Tour

Co-design session

HARDWARE

WEEK FIVE

WEEK SIX

WEEK SEVEN

WEEK EIGHT

PLACEMAKING  
WITH ACTION TEAM

Building a Community Art Farm

Bringing the Farm to Life

HEARTWARE

WEEK NINE

WEEK TEN

WEEK ELEVEN

WEEK TWELVE

PLACE-KEEPING  
BY COMMUNITY

Bringing the Farm to Life

HARVEST

Identifying core team

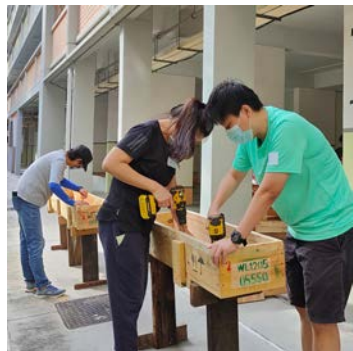
Empowering the action team

# Pelatok Art Farm

Archi-puncture for Mental Wellbeing



Social Urban  
Laboratory











## Common Good Pavilion

Singapore Archifest 2022

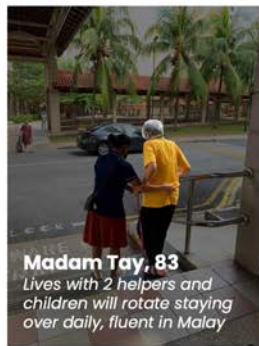
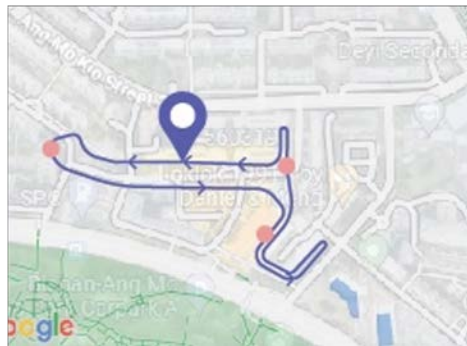


Photo: SCU Lab



# Lighthouse

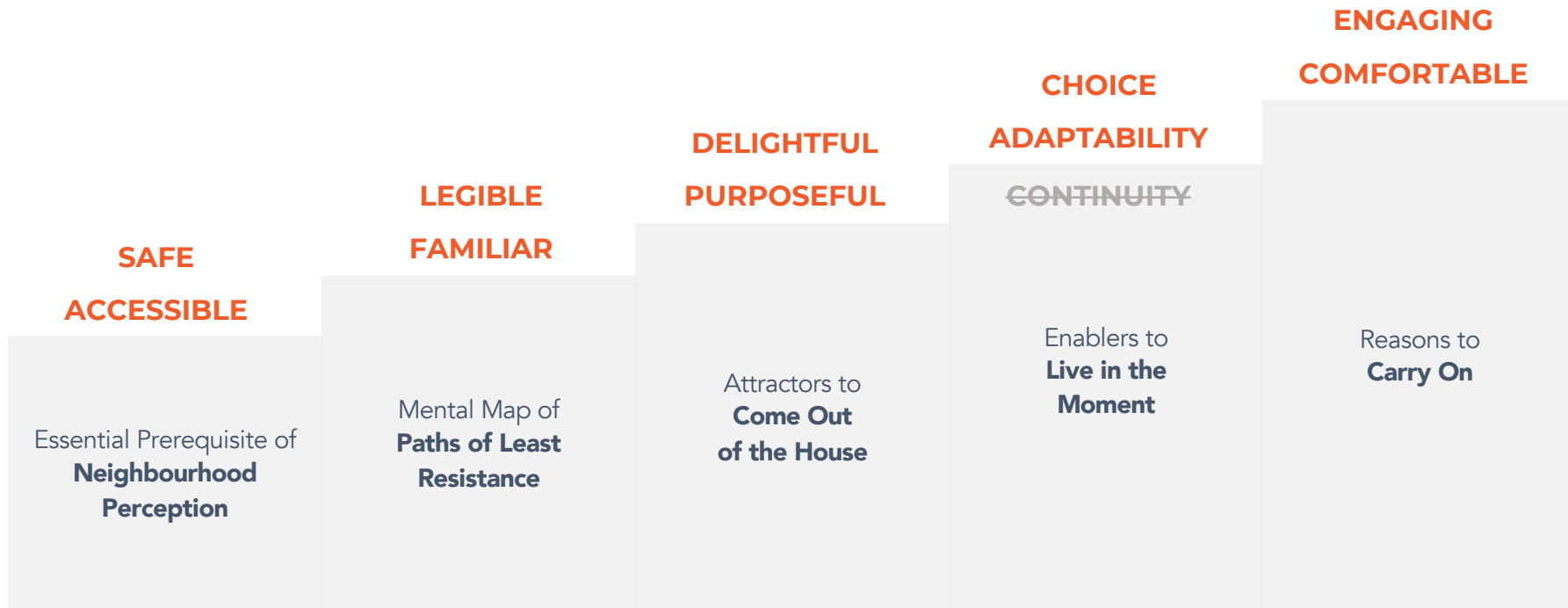
Archi-puncture for Dementia Inclusivity



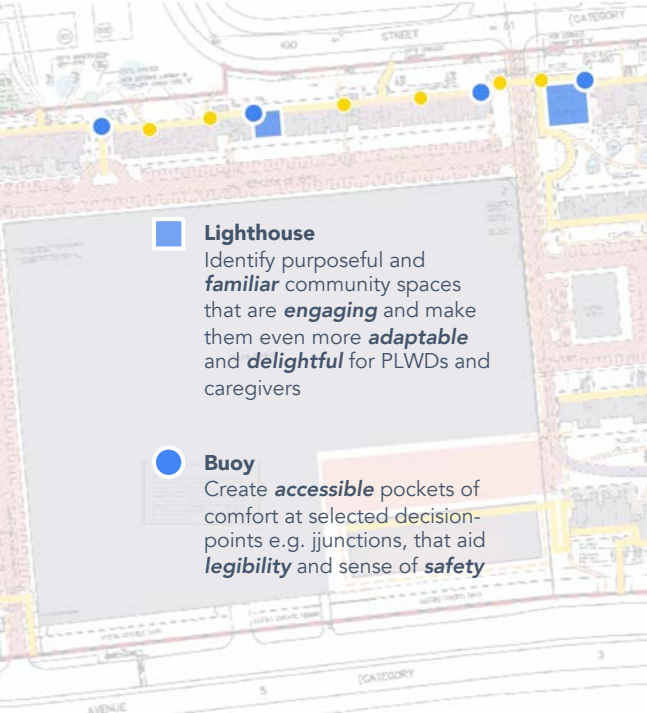
\*Names have been changed to protect the privacy of the interviewees

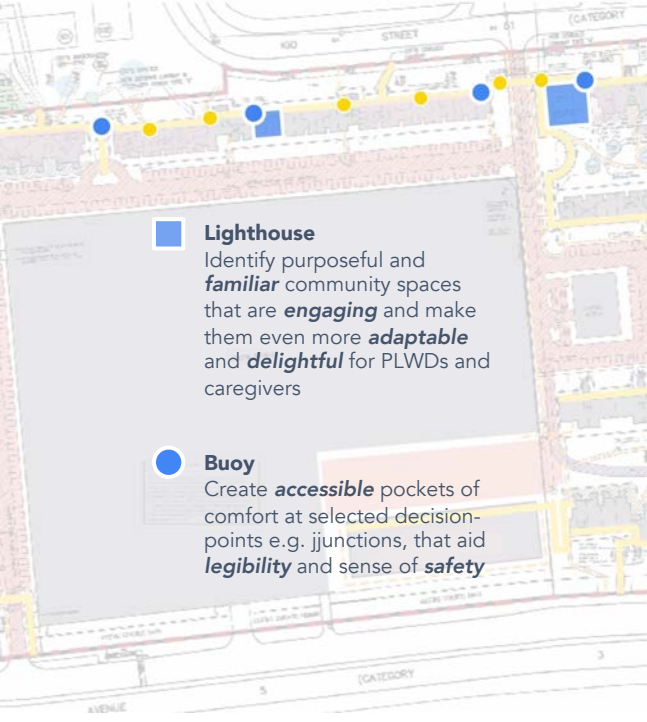
# Lighthouse

Archi-puncture for Dementia Inclusivity





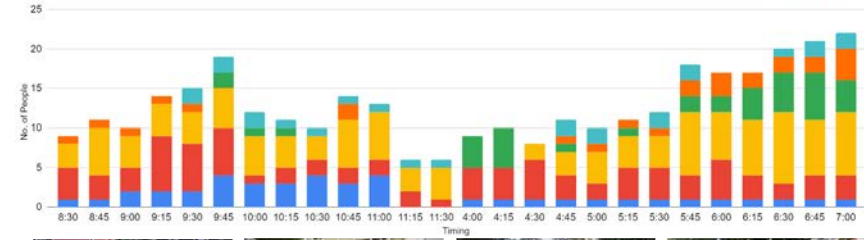
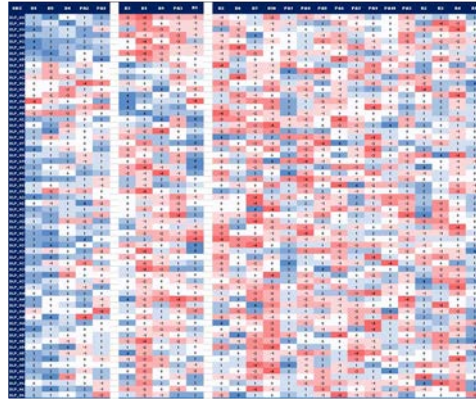






# Recharge

Archi-puncture for Active Living





# Recharge

Archi-puncture for Active Living

Transform waiting time  
into  
**20-30 minutes**  
active time per day



Desired outcome:  
to achieve  
**150-300 minutes**  
of moderate activity in a week

\*Weekly recommended guidelines by Health  
Promotion Board 2022





Tuesday, 23 May

Hey Annie

 65  
coins

## Daily Challenge

You have completed 80%  
of your exercise daily goal



31 kcal



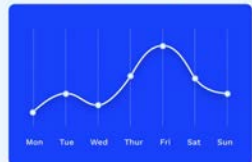
2 km



10 min

## Insights

Daily Weekly Monthly



## My Vouchers



FairPrice

\$5 FairPrice voucher  
50 coins



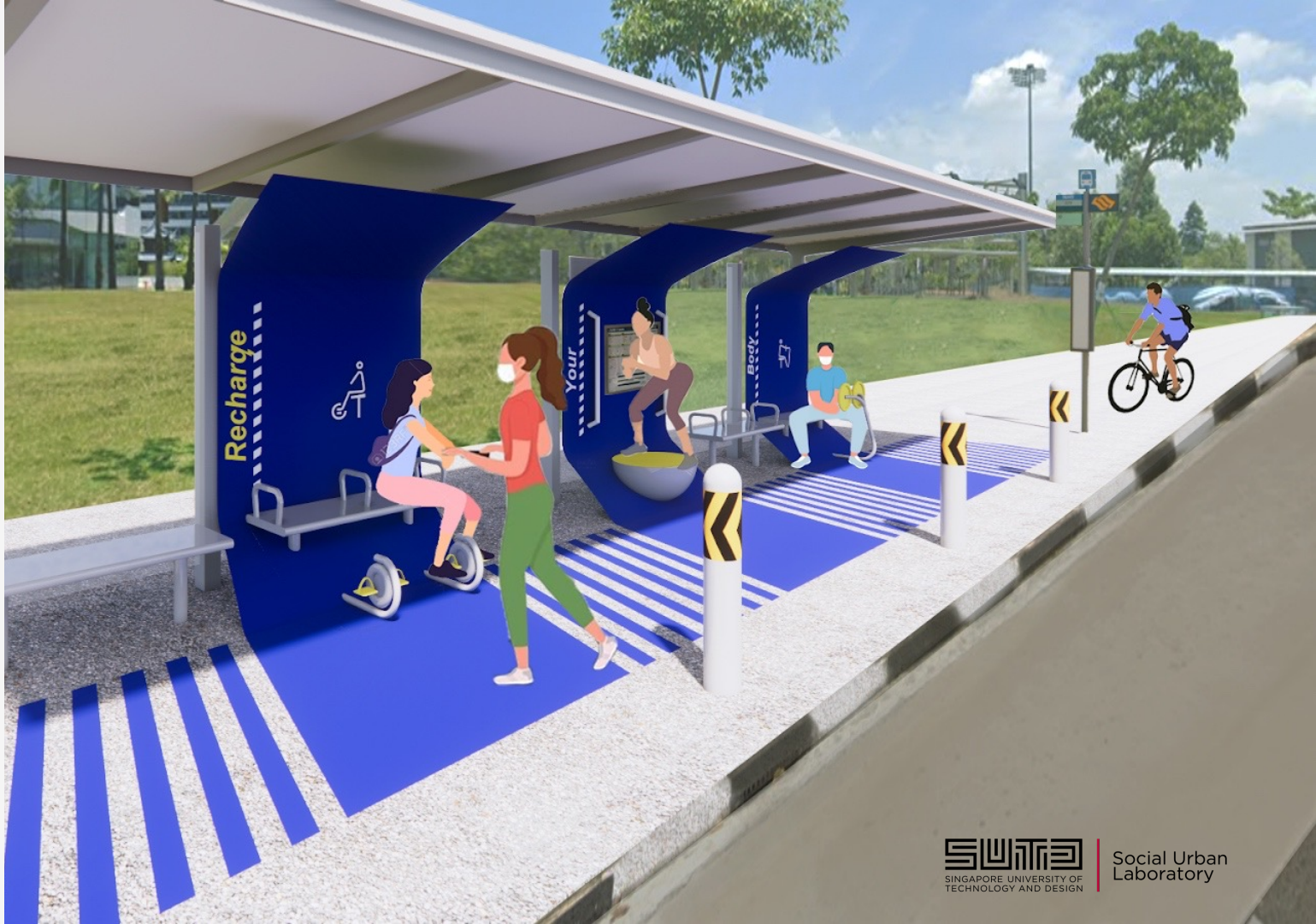
FairPrice

\$5 FairPrice voucher  
50 coins



FairPrice

\$5 FairPrice voucher  
50 coins





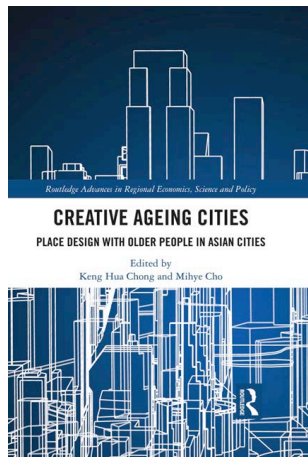


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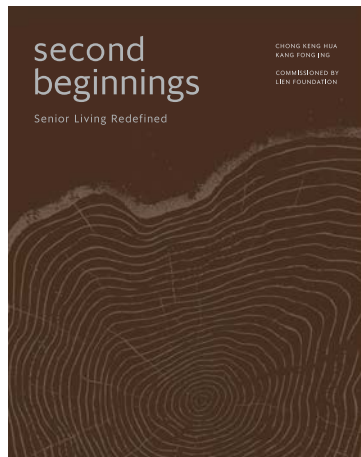
# Thank you!



[soulab.co](http://soulab.co)

[col-ours.com](http://col-ours.com)

 Dr Chong Keng Hua



SHORTLISTED FOR THE  
PRESIDENT'S  
DESIGN AWARD  
SINGAPORE 2020



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Summer Ha, Denise Nicole Lim, Neo Sze Min,  
Kanchana, Sokkalingam, Yoehi Kato, Chloe Gao Tongchaoran,  
Tan Zi Hua, Low Si Hong, Diane Lee, Kang Fong Ing

Collaborators:

Lien Foundation, TOUCH Community Services, MND Centre for Liveable Cities (CLC),  
Agency for Integrated Care (AIC), MOH Office of Transformation (MOHT), SingHealth,  
Changi General Hospital (CGH), SAA Architects, Ground-Up Initiative (GUI)



Social Urban  
Laboratory

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