# PLANNING FOR AN INCLUSIVE AND LIVEABLE SINGAPORE

Singapore Perspectives 2022 Forum 2, 13 Jan

Mr. Lim Eng Hwee
Chief Executive Officer
Urban Redevelopment Authority
Singapore

Inclusivity and liveability are key pillars in our land use planning approach today

# Our social context: A diverse and multicultural society

Multi-ethnic, multi-religious

Source: Public Service Division

Source: BCA

Diverse in age, ability and background

URBAN
REDEVELOPMENT
AUTHORITY

# Our physical context: Small city-state with high urban density

Land Area: 728 sqkm

43km

23km

Population: 5.5 million (2021)

London (2X)

Hong Kong (1.5X)

**LAND NEEDS**

| Housing | Commerce | Industry |
| Port | Defence | Airport |
| Water Catchment | Culture & Heritage | Greenery & Parks |

**SEA NEEDS**

| Anchorage / Fairways | Aquaculture | Landfill |
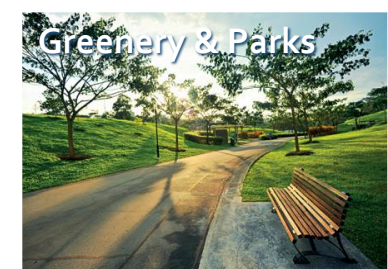
# Through our planning process, different land use needs are comprehensively reviewed to ensure a quality living environment for all

Structured process that regularly reviews, synthesises and addresses
various land use requirements
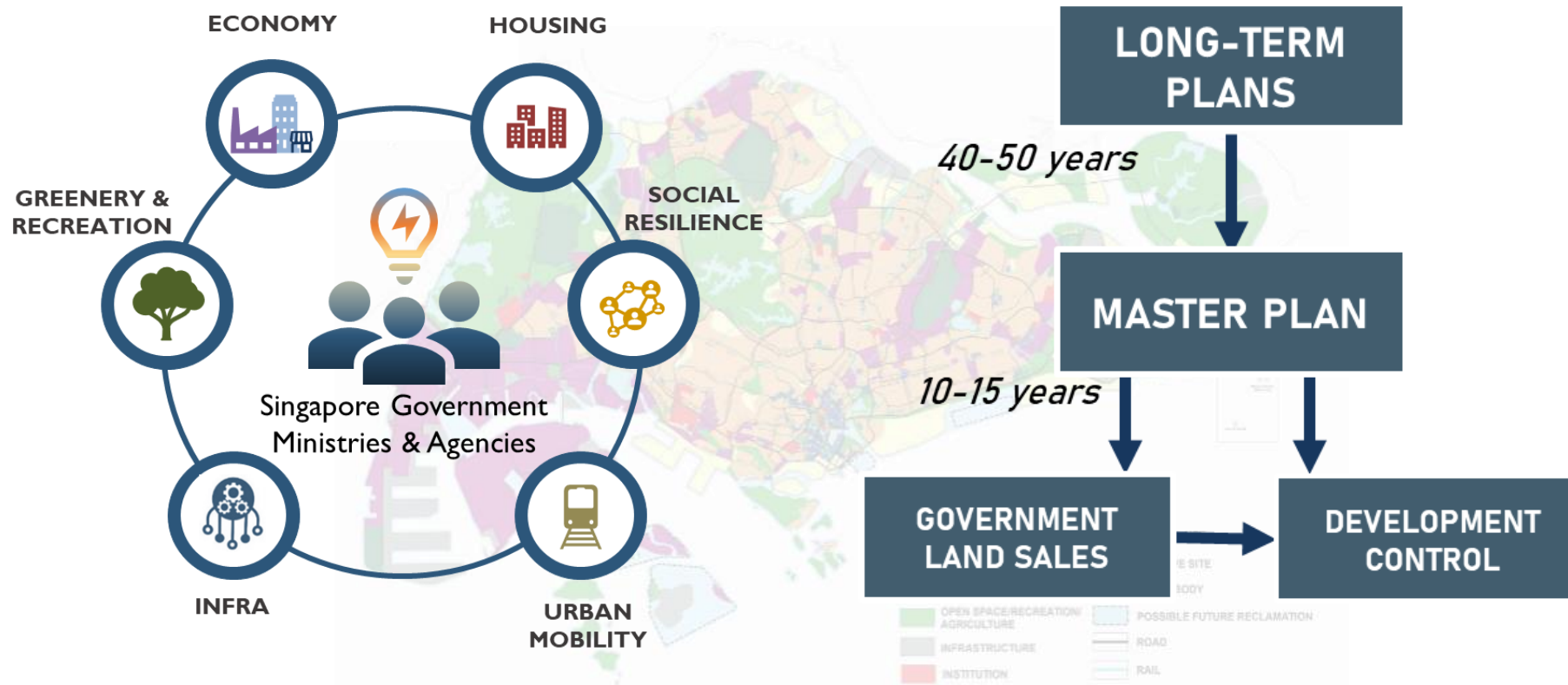


Allows us to shape a liveable city for all – where our live, work and play spaces
are adequately provided for, equitably distributed and inclusively designed

# How we plan for inclusivity and liveability:

Source: MKPL Architects

**Greater variety of affordable housing**

**Sufficient provision of community facilities, parks and public spaces**

Source: JTC

**Range of economic spaces to provide employment opportunities**

**Harnessing technology to enhance how we live, work & play**

# Provision of a greater variety of housing types to cater to evolving needs and socio-demographic trends

## Assisted-living flat typologies



Source: HDB

Community Care Apartment pilot at Bukit Batok integrates senior-friendly design features with care services.

## 2-room flexi flats



Source: Straits Times

More two-room BTO flats will be offered in non-mature towns. (e.g. Tengah, CCK)

## Increasing access to housing in prime areas



Source: HDB

Artist impression of the pilot Prime Location Housing model at Rochor.

## More integration of rental and sold flats



Source: Straits Times

Marsiling Greenview estate in Woodlands, which is a new estate with blocks that mix rental and sold flats.

# Forward planning of Social & Community Facilities and the provision of integrated typologies that integrate vulnerable groups with the wider community

## Social & Community Facilities (SCF) Masterplan
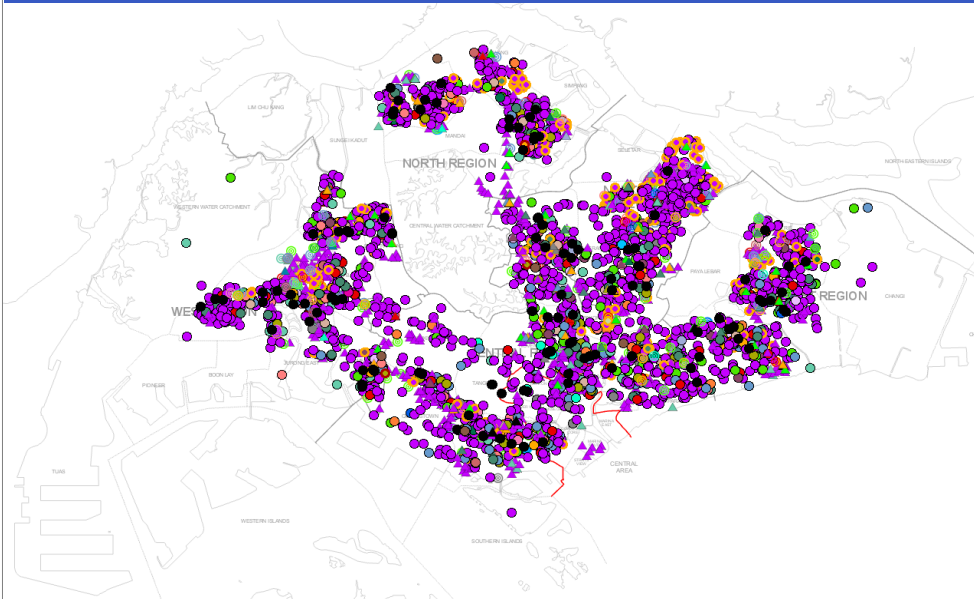


## Co-location of social & community facilities with amenities



Source: HDB

Kampung Admiralty is a "modern kampung" that integrates senior housing with community facilities for all age groups

Data analytics is used to improve the right-siting, right-sizing, right-timing of social facilities, as part of the 15-year SCF Masterplan review process

## Harnessing data analytics



Enabling Village, an inclusive community space and hub for disability services

Source: Patrick Bingham-Hall

# Provision of parks and public spaces with inclusive features in our neighbourhoods and City Centre, for people of all backgrounds to use and interact

## Highly accessible parks with inclusive features



Jurong Lake Gardens is within walking distance of both public and private housing residents



Therapeutic garden at HortPark with custom programming for seniors and children with special needs

## Public spaces & place activation



Marina Bay is a well-used waterfront promenade that makes the City Centre an attractive and inclusive place for all
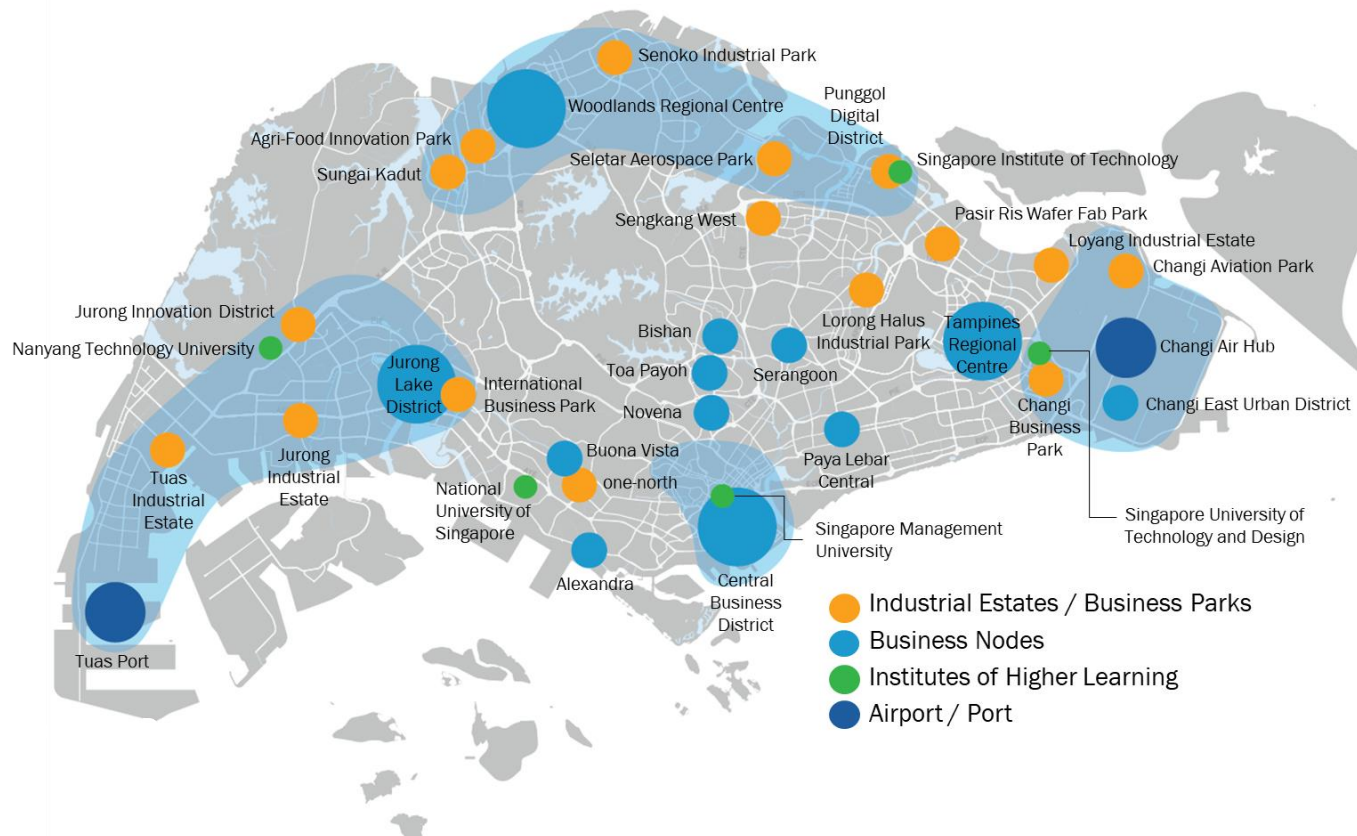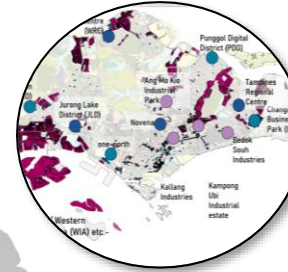


Welcome to Our Backyard! is a place-activation project at the Aljunied Crescent precinct funded by the URA-HDB Lively Places fund

# Planning for a range of economic spaces to provide a diversity of employment opportunities for our people



Map of Singapore's key economic nodes

**Legend:**
- ● Industrial Estates / Business Parks
- ● Business Nodes
- ● Institutes of Higher Learning
- ● Airport / Port

**Map labels:**
- Senoko Industrial Park
- Woodlands Regional Centre
- Punggol Digital District
- Agri-Food Innovation Park
- Sungai Kadut
- Seletar Aerospace Park
- Singapore Institute of Technology
- Sengkang West
- Pasir Ris Wafer Fab Park
- Loyang Industrial Estate
- Changi Aviation Park
- Jurong Innovation District
- Nanyang Technology University
- Bishan
- Lorong Halus Industrial Park
- Tampines Regional Centre
- Changi Air Hub
- Jurong Lake District
- International Business Park
- Toa Payoh
- Serangoon
- Novena
- Changi Business Park
- Changi East Urban District
- Tuas Industrial Estate
- Jurong Industrial Estate
- National University of Singapore
- Buona Vista
- one-north
- Paya Lebar Central
- Tuas Port
- Alexandra
- Central Business District
- Singapore Management University
- Singapore University of Technology and Design

## Range of economic land zoning

- Commercial: Office, retail, MICE etc.
- Business Park (BP): R&D, clean industries
- Business 1 (B1): Light industrial activities
- Business 2 (B2): General and special industries

## Polycentric development

- Variety of economic spaces island-wide
- Bring jobs closer to homes for all
- Supported by transport infra to achieve LTMP 45-min city target, including for work-home journeys

## Flexible zoning to support mixed use

- Improves convenience and enhances vibrancy
- Facilitates innovative business models

# Leveraging technology & data analytics to enhance liveability and better plan for our citizens' needs
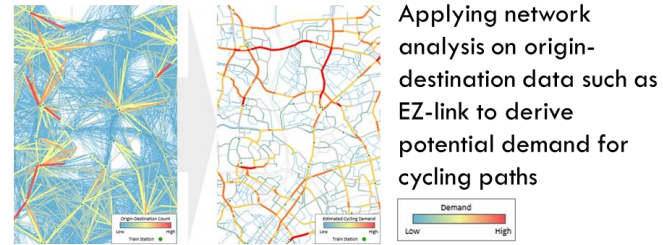
## Service delivery


Source: HDB


Source: LTA

LTA is trialing a hands-free ticketing system using Radio Frequency Identification (RFI) technology for greater convenience to passengers, especially the disabled.
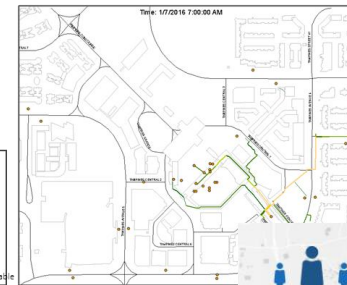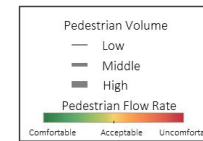
HDB's Smart Enabled Home initiative such as the Elderly Monitoring System provides families with greater peace of mind over the well-being and safety of elderly relatives living alone.

## Data analytics



**INFRASTRUCTURE & MOBILITY IPLANNING**

Applying network analysis on origin-destination data such as EZ-link to derive potential demand for cycling paths

Estimating pedestrian flow density to improve pedestrian comfort

Network analysis is an example of a type of geoanalysis which can facilitate infrastructure planning, such as walking & cycling paths
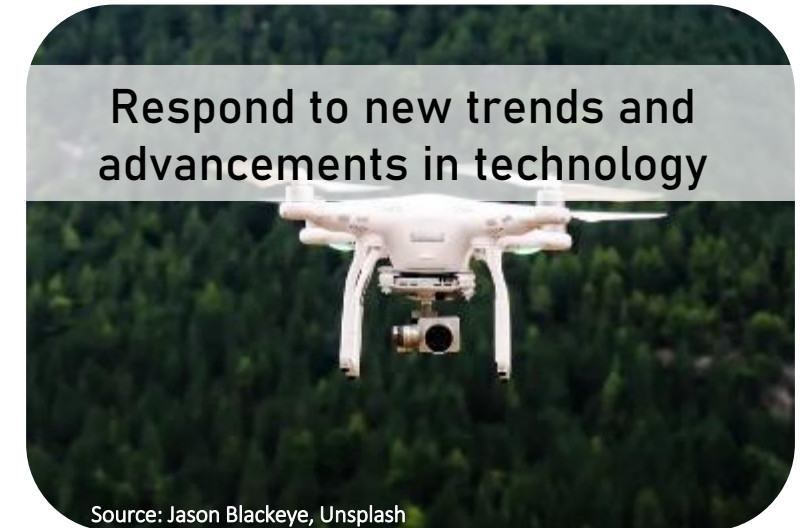


Space Out Informs public of real-time crowd level to support COVID-19 efforts

**Looking Ahead—**

**How can we continue to plan for inclusivity and liveability in the next 50 years and beyond?**

# Our Long-Term Plan Review (LTPR) 2021 is underway and considers how we should plan for inclusivity and liveability amid an increasingly VUCA world


Deepening of existing social fault lines and new divides


Ageing population, changing household demographics

Source: HDB


Adapt to and mitigate climate change

Source: Lily Banse, Unsplash


Be resilient and prepared for crises

Source: SFA


Respond to new trends and advancements in technology

Source: Jason Blackeye, Unsplash

# We have been engaging deeply and widely to seek feedback from different segments of society



LTPR public engagement launch by Min Desmond Lee at The URA Centre on 17 July 2021
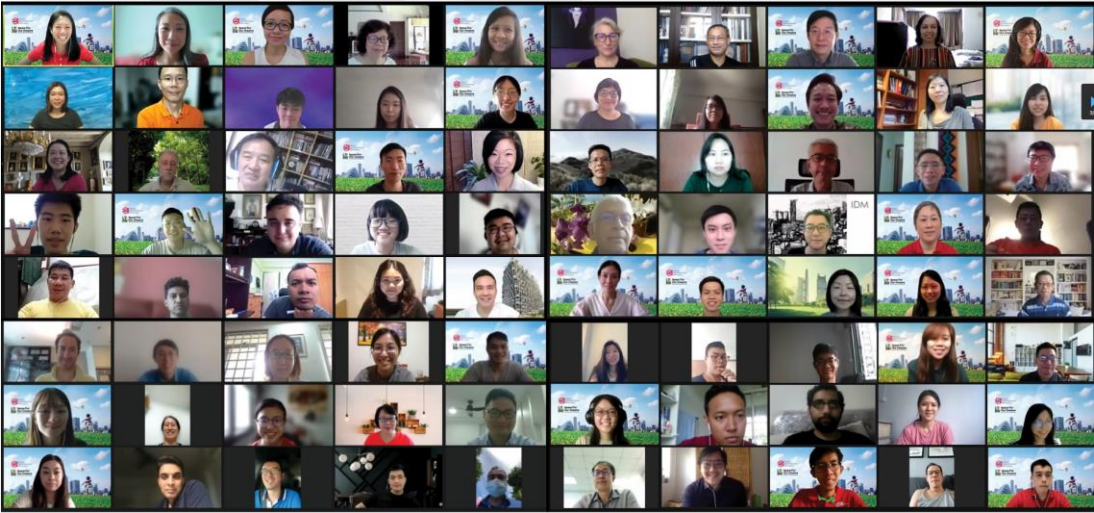


Engaged widely through virtual workshops and facilitated discussions across the first 2 phases of our public engagement from Jul-Dec 2021



Dialogue hosted by Min Desmond Lee and 2M Indranee Rajah with some 20 youths

URBAN REDEVELOPMENT AUTHORITY

THANK YOU

Scan here to learn more about the Long-Term Plan Review 2021

Visit us at:
www.go.gov.sg/LTPR