

How  
**Park Connector Network**  
Planning Effectively  
**Support Daily Activities**  
for People in Singapore?

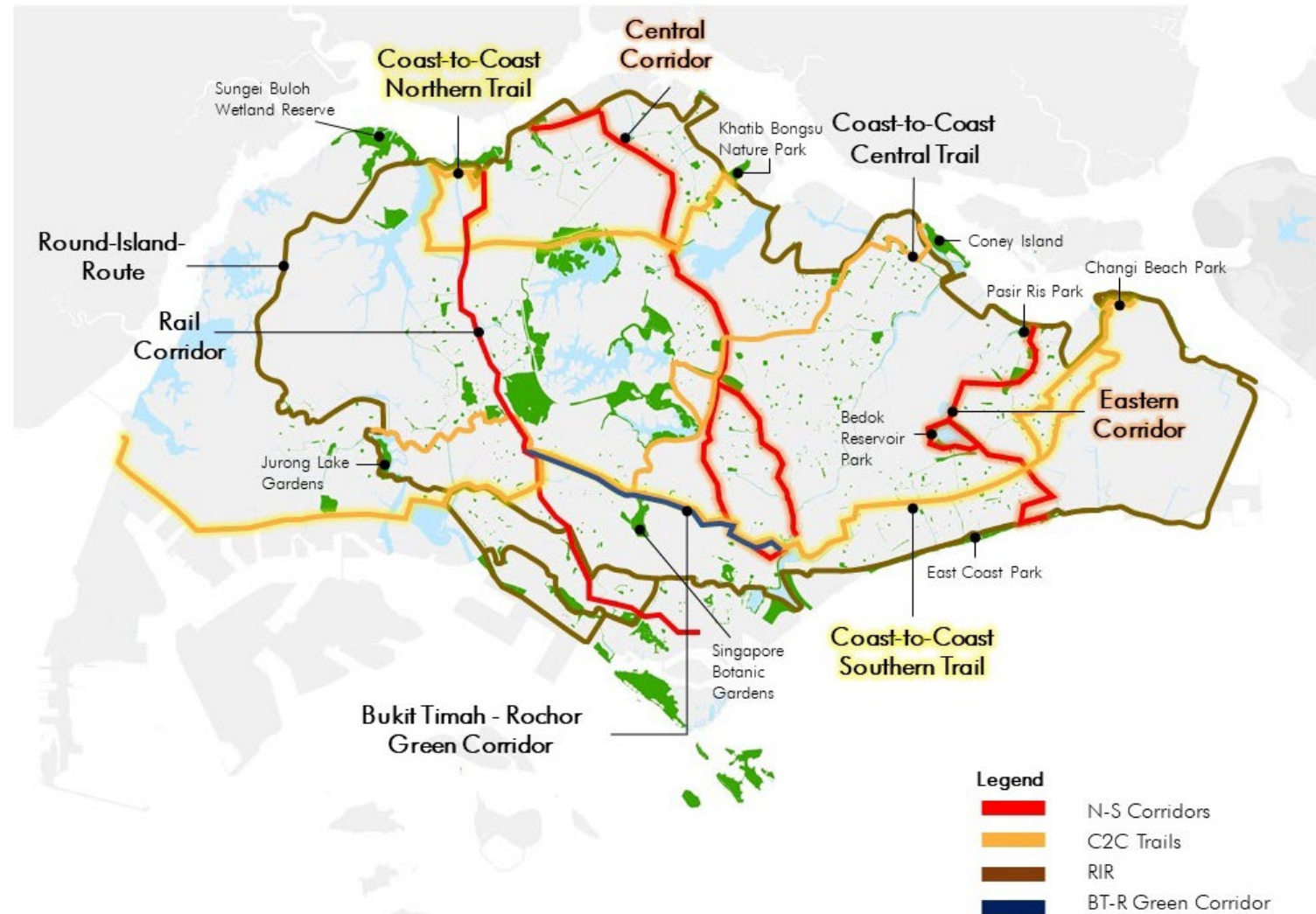
Judah Yosia. 1008352  
Michael S. Susanto. 1008350



## Singapore's Park Connector Network

The Park Connector Network (PCN) was developed to create a matrix of green connectors linking Singapore's parks, gardens, and nature reserves. It aimed to increase residents' accessibility to nature and greenery while promoting environmental stewardship

The PCN has revolutionized commuting and recreation in Singapore, allowing residents to cycle or walk through green corridors. It promotes a healthier lifestyle, provides a refreshing commute to work, and contributes to Singapore's goal of becoming a car-light city (Lee, Zhan et al. 2020).

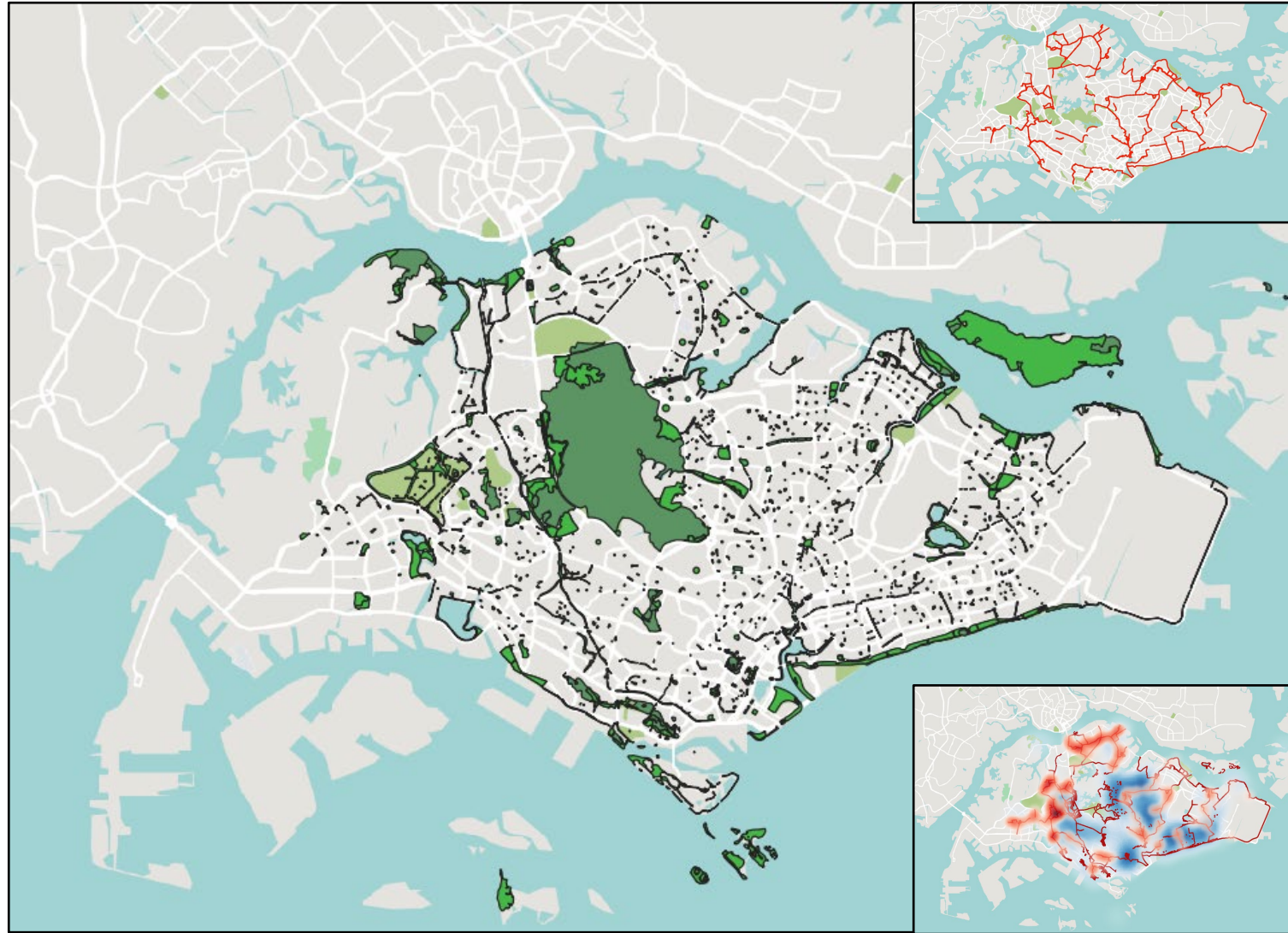


Source : NParks. (2024). *Island-wide routes*. NParks Park Connector Network. <https://pcn.nparks.gov.sg/know-our-pcn/island-wide-routes/>

What

The Data will involve :

1. Singapore Maps
2. Park Connector Loop Datasets from Both Nparks and URA
3. Park Connector Masterplan 2019 from URA
4. **Spatial Data of HDBs**
5. **Spatial Data of Offices and Amenities**



Source : NParks (2023), URA (2024)

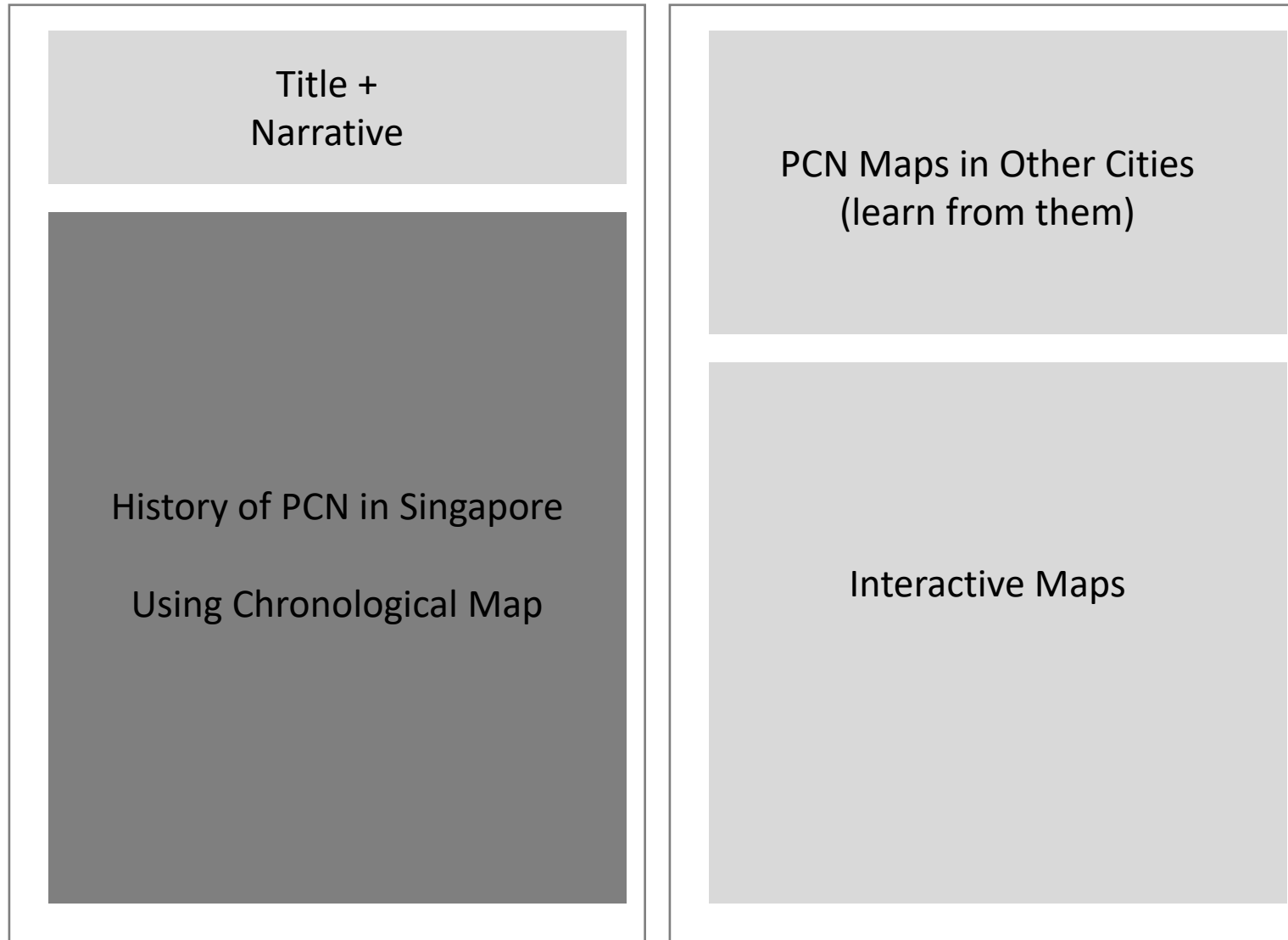
## Why

By visually representing data related to the network, such as the locations of existing connectors, planned expansions, and areas that require improvement, data visualization tools can provide a clear and comprehensive overview of the network's availability and connectivity.

Individuals can easily identify the nearest park connectors to their location, helping them incorporate these routes into their daily commutes or exercise routines. Moreover, data visualization allows users to assess the connectivity between different areas, helping them plan their routes more efficiently and effectively.

Data visualization also serves as a powerful tool for urban planners and decision-makers. By analyzing and visualizing data on park connector usage, footfall, and feedback from users, planners can identify which areas are less accessible or lack connectivity. This information enables them to prioritize infrastructure improvements or additions in these areas, ensuring that the Park Connector Network continues to expand and enhance accessibility for all residents.

## Design Framework

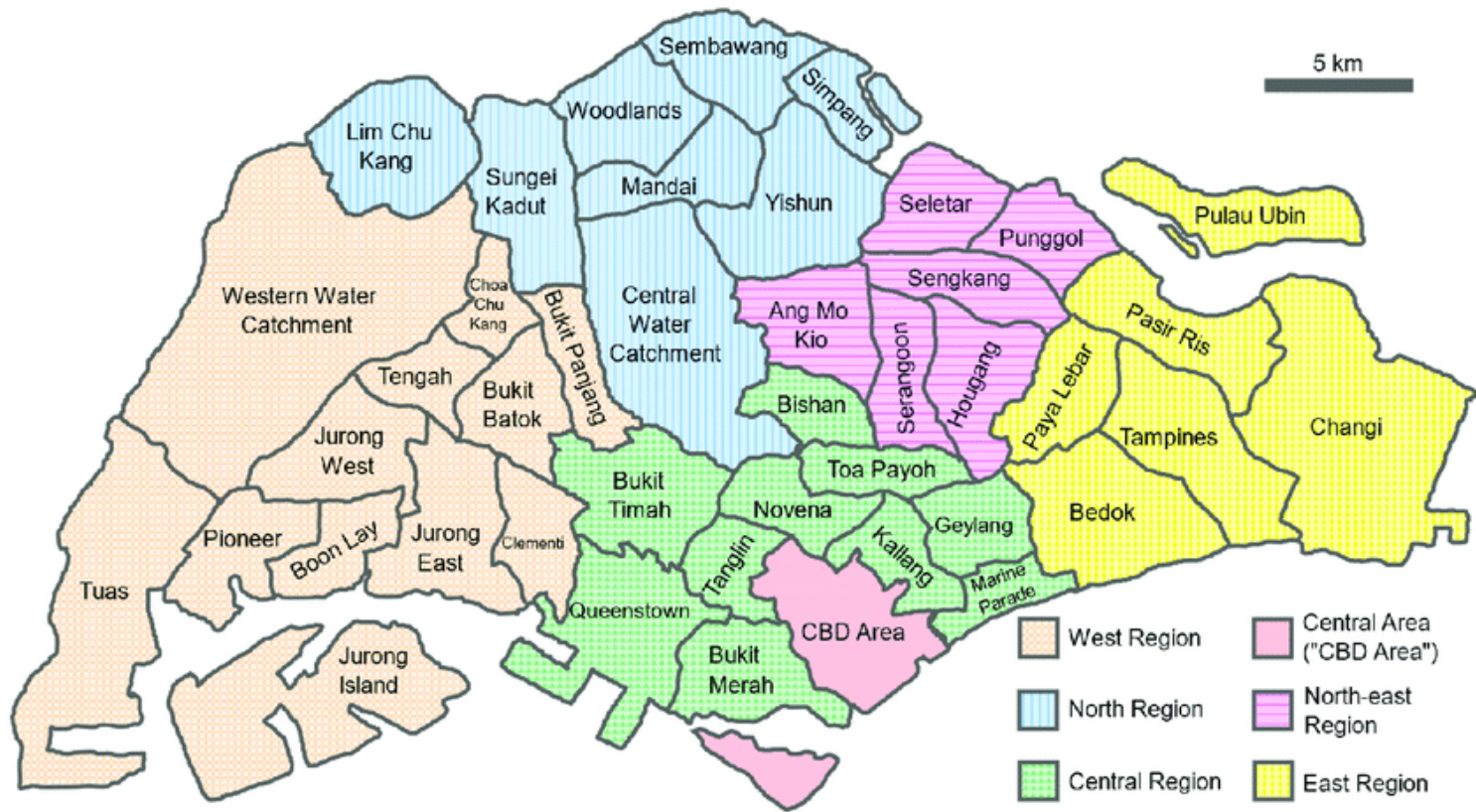


<https://www.youtube.com/watch?app=desktop&v=xVVtAMSWB6E>



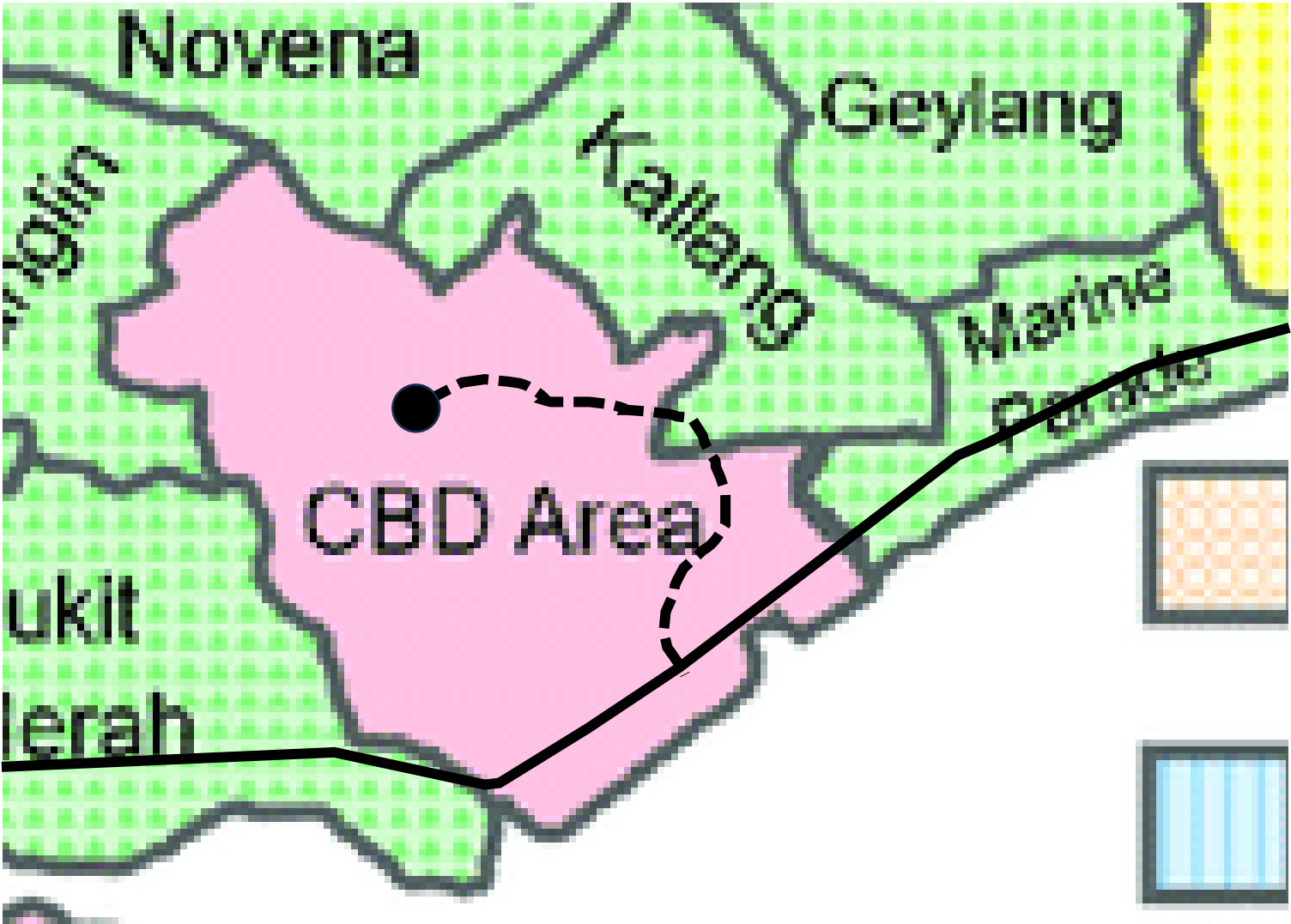
# Interactive Maps (Route Finding – nearest from HDB)

- PCN Network
- Heatmap
- HDB
- MRT Station
- Bus Stop
- Amenities



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# SINGAPORE MRT

