

Transit-oriented development principles

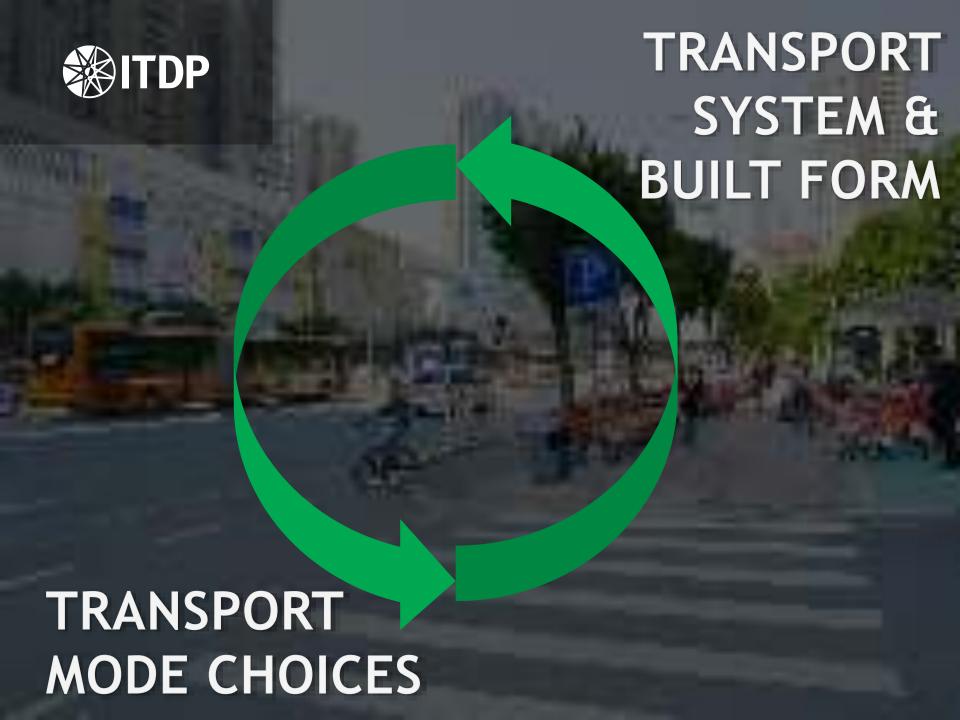
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Just being adjacent to transit doesn't mean it's "transit-oriented"







Transit



Public Transport





Using road space efficiently

3-lane carriageway



2 lanes + elevated road



Dedicated lanes for bus rapid transit



Passenger capacity:

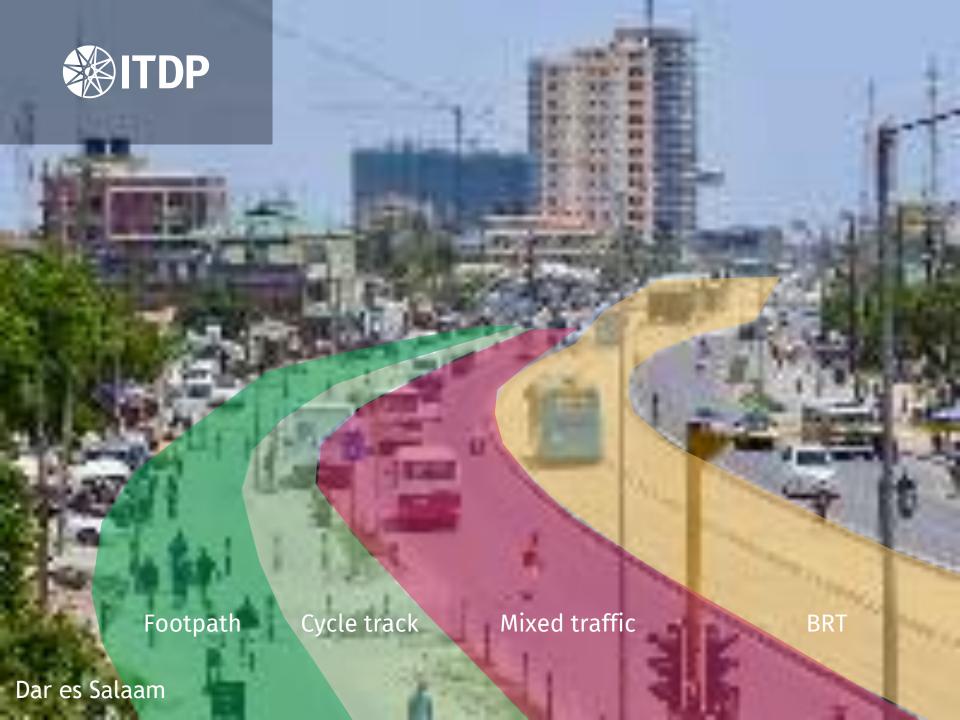


3,000 passengers per hour per direction



4,700 passengers per hour per direction







Walk



Footpaths: The zone system











Visually active frontage

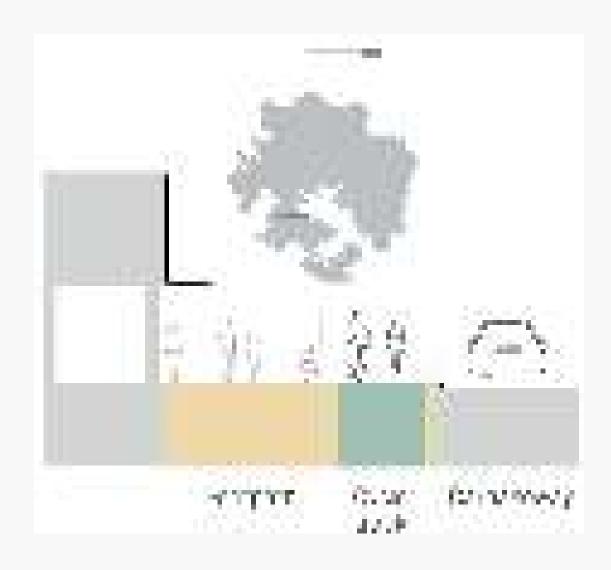




Cycling



Cycle track between footpath and carriageway





CYCLE: Cycle track standards









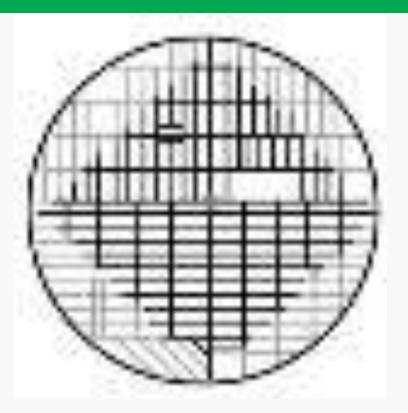
Connect



Network design



Car-oriented/ Unplanned



People-oriented/
Planned

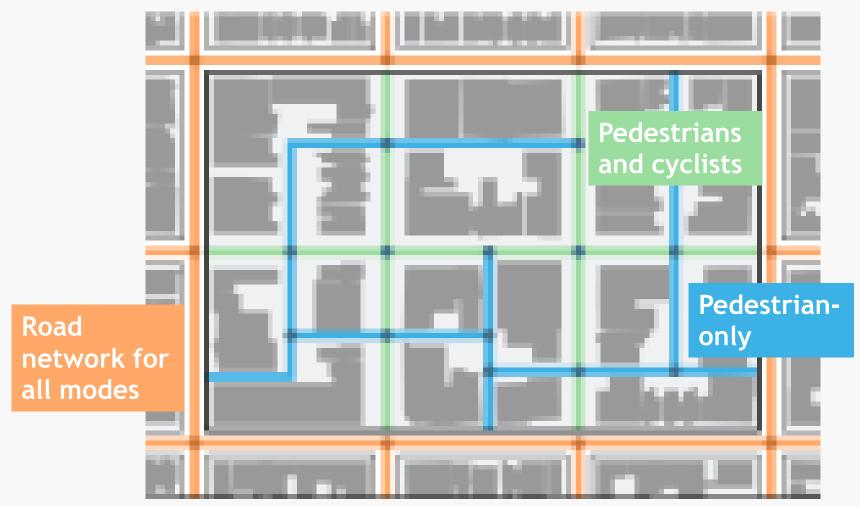
Dense network of direct short paths to improve accessibility







Connect: Dense networks of streets and paths



Maximum block size for pedestrians: 100 m



Mix of uses







Density



Kigali Master Plan 2050



- Highest intensity zoning near BRT lines
- Areas within 75 m of BRT corridors get 30% higher FAR if at least 15% of dwelling units are affordable







Some areas have high dense lowrise developments





Compact



Compact development at the metropolitan scale



Promotes more roads
Increases traffic jams
Increases pollution
Poor land-use utilization



Promotes transit
Promotes density
Promotes Mixed-Use/Mixed-Income
Promotes better quality of life
Maximization of land uses and development
Increases ridership



New residential developments far from job opportunities



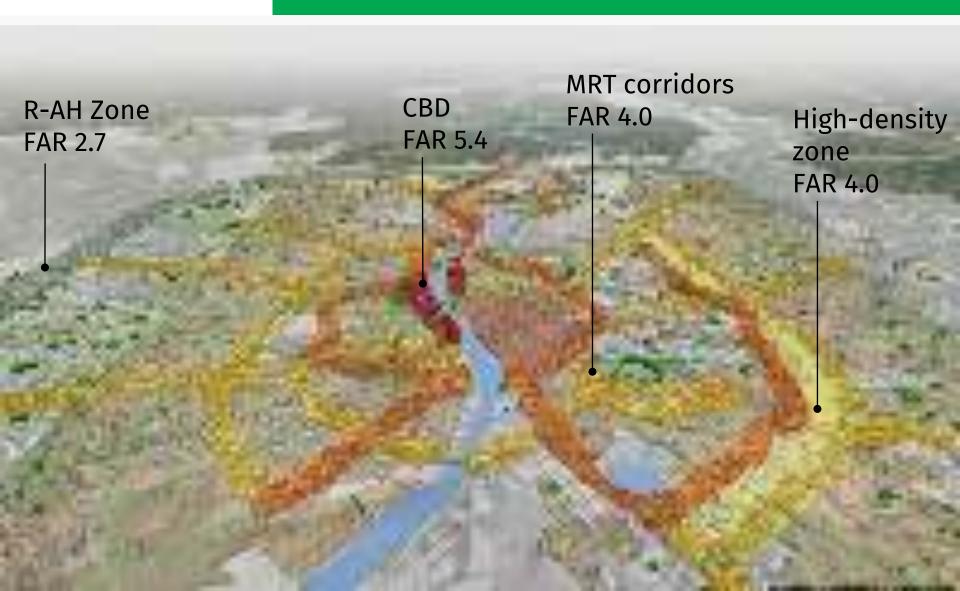


Orderly expansion where growth does occur





Compact development along transit lines





Shift

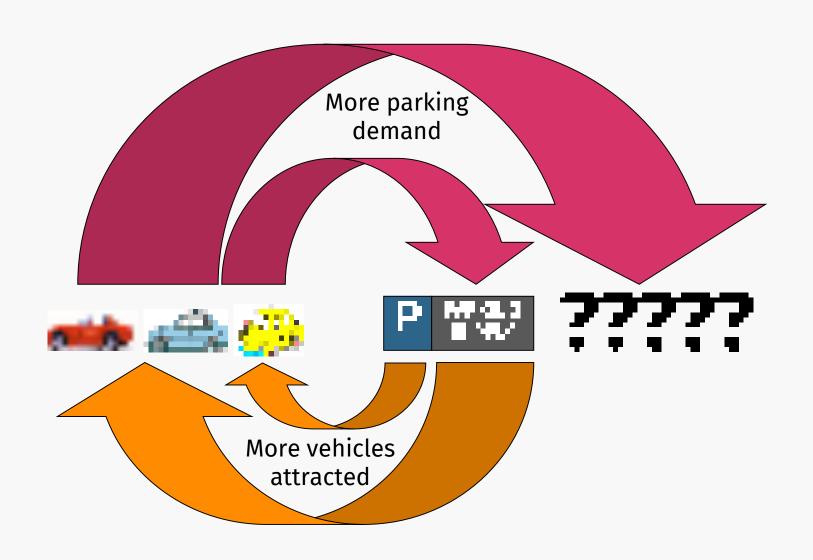


Pedestrian Oriented Design





Parking management





Performance pricing

Increase fees in areas with high demand

Grosvenor Square in London



No meters Meter price: £

Meter price: ££££

TRL



Excessive parking provision in new projects



Britam tower

- 35,000 sq m of commercial space
- 1,000 parking spaces
 - 2.9 spaces per 100 sq m
- 700 m from a future
 BRT station



Swiss Re building, London





- 48,000 sq m of commercial space
- 5 parking spaces, all for disabled



Opportunity cost of parking



= Dining space for 15 people

= Office space for 4 people

= 1 affordable housing unit

1 parking space (23-28 sq m) (with associated driveway)



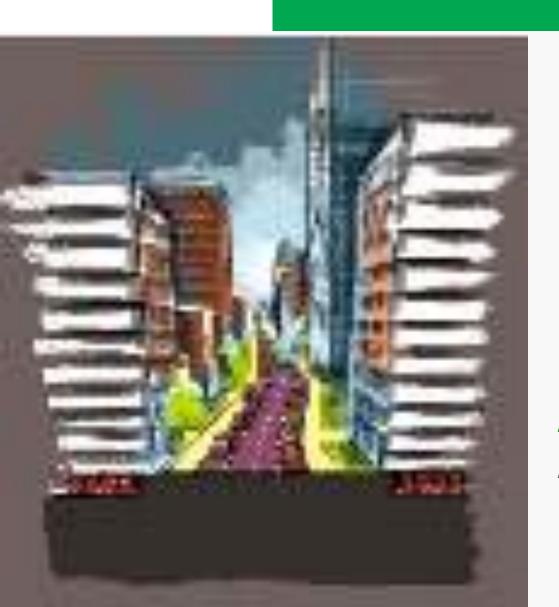
Cities for cars



Build roads
Add traffic jams
Add pollution
Add road deaths



Cities for people



Add transit
Add density
Cut parking
Better quality of life!



Thank you

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