

# Pedestrians in two medium-income island countries - what happens when traffic grows?

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**What is happening in Cluster 1 (cities in developing countries)?  
Are they heading towards Cluster 2 or 3?**

**..and how can we study that with minimal data?**

## Case study 1: Havana, Cuba



Photo by: Adriana Ortegon, UCL

Low car ownership

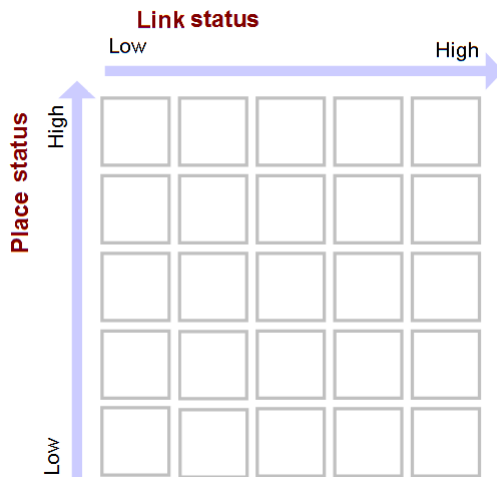
High walking modal share

Use of streets as social spaces

## A new classification for Havana's road network

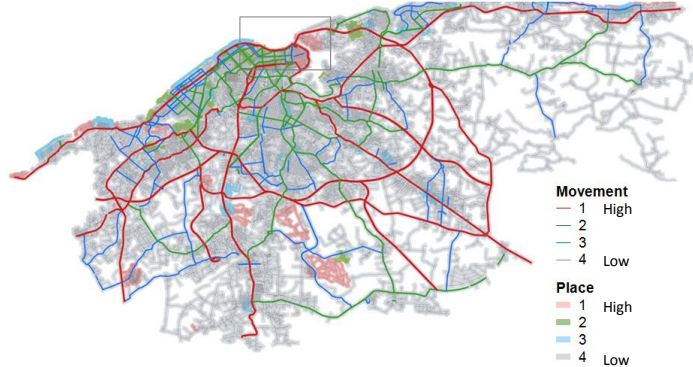
Road classification is usually based on one dimension only: movement (roads as a **link**).

We added a second dimension: '**place**' (roads/streets as a destination in themselves)



Classification done in participatory workshops

## A new classification for Havana's road network



Conflict: high movement, high place status

But as it is, the road is designed mainly for movement



## A walkability model for Havana

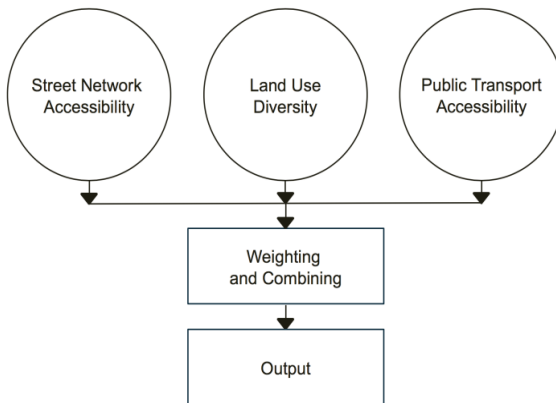
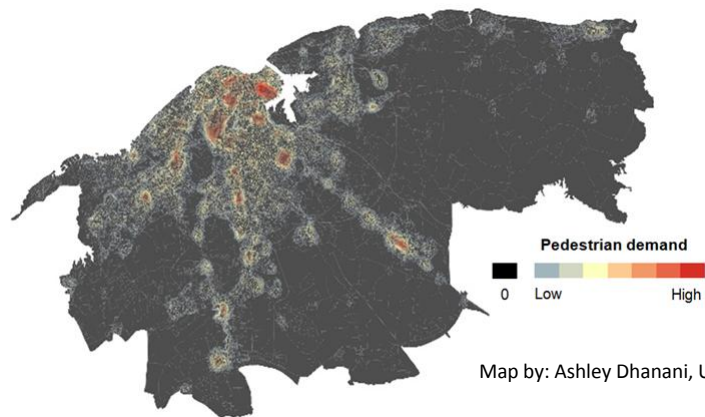


Diagram by: Ashley Dhanani, UCL



Model developed using Open Street Map data and validated in workshops with residents

## A walkability model for Havana



Some areas have high potential demand but low pedestrian flows, according to residents – with traffic speeds and lack of sidewalks pointed as reasons

## Case study 2: Praia, Cabo Verde



Economic growth - but more inequality

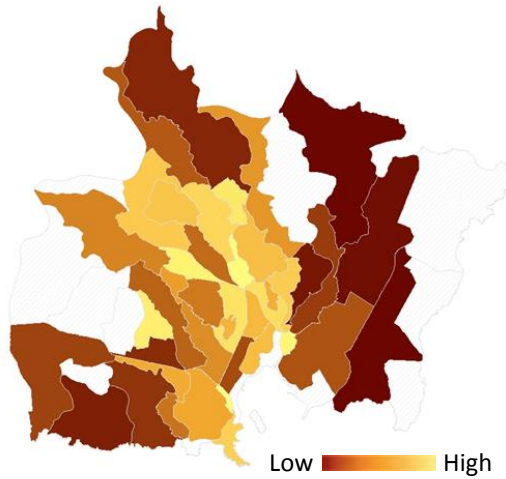
Fast city growth – but disorganized

More traffic, more and wider roads – but poor public transport

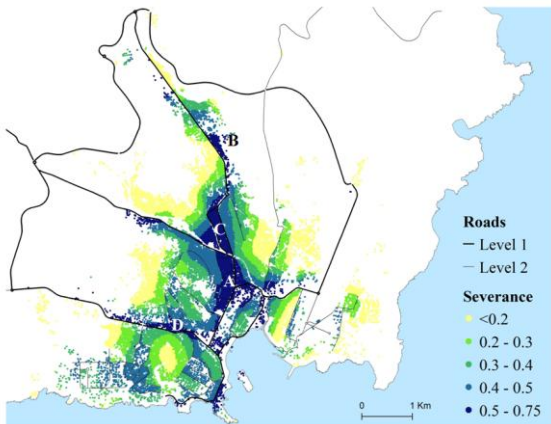
## Mapping quality of walking

Considering: pedestrian space (total; formal); road width; crime incidents; slopes; flood risk

Large differences by neighbourhood , related to income but also with how old is the neighbourhood



## Mapping severance effect of roads on pedestrians



'Hotspots' of severance are mainly poor areas

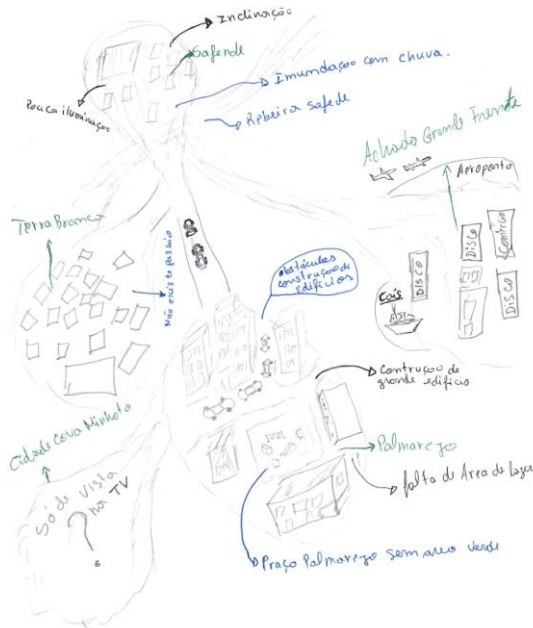


# People's perceptions: group discussions



Negative  Positive

# People's perceptions: perceptual maps



Disconnected neighbourhoods

## Conclusions

In both cities, growing traffic is becoming a problem for pedestrians, aggravated by the fact that the design of existing/new roads favours car users

Research methods used can be used with minimal data, complemented with local knowledge

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