# The Significance Of Urban Amenities And Accessibility In Sustainable Design

# (KeTTHA) Conference On Green Technology

# 2014

Ar Sarly Adre Sarkum – President

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# Why Accessibility?

- Most Asked Question
- Permeability of the City
- Easy to reach your destination
- Amenities/Facilities within reach

# Why Accessibility?

# Liveability

## The New adage of the Modern City

Massive traffic jam on on China National Highway 110 (G110) and Beijing–Tibet expressway (G6), in Hebei and Inner Mongolia.

# Liveability

## The New adage of the Modern City

| Rank | | City | Country |
|---|---|---|---|
| 2012 | *2011* | | |
| 1 | *1* | VIENNA | AUSTRIA |
| 2 | *2* | ZURICH | SWITZERLAND |
| 3 | *3* | AUCKLAND | NEW ZEALAND |
| 4 | *4* | MUNICH | GERMANY |
| 5 | *5* | VANCOUVER | CANADA |
| 6 | *5* | DÜSSELDORF | GERMANY |
| 7 | *7* | FRANKFURT | GERMANY |
| 8 | *8* | GENEVA | SWITZERLAND |
| 9 | *9* | COPENHAGEN | DENMARK |
| 10 | *9* | BERN | SWITZERLAND |
| 10 | *11* | SYDNEY | AUSTRALIA |
| 12 | *12* | AMSTERDAM | NETHERLANDS |
| 13 | *13* | WELLINGTON | NEW ZEALAND |
| 14 | *14* | OTTAWA | CANADA |
| 15 | *15* | TORONTO | CANADA |
| 16 | *17* | BERLIN | GERMANY |

Mercer Quality of Living Survey - Worldwide Rankings, 2012  0ut of 212 cities

# Liveability

## The New adage of the Modern City

| | | | |
|---|---|---|---|
| 69 | *69* | PRAGUE | CZECH REPUBLIC |
| 70 | *70* | HONG KONG | HONG KONG |
| 71 | *71* | DETROIT, MI | UNITED STATES |
| 72 | *72* | SAN JUAN | PUERTO RICO |
| 73 | *74* | DUBAI | UNITED ARAB EMIRATES |
| 74 | *73* | BUDAPEST | HUNGARY |
| 75 | *75* | LJUBLJANA | SLOVENIA |
| 75 | *80* | SEOUL | SOUTH KOREA |
| 77 | *77* | MONTEVIDEO | URUGUAY |
| 78 | *78* | ABU DHABI | UNITED ARAB EMIRATES |
| 79 | *79* | VILNIUS | LITHUANIA |
| 80 | *76* | KUALA LUMPUR | MALAYSIA |
| 81 | *81* | BUENOS AIRES | ARGENTINA |
| 82 | *82* | PORT LOUIS | MAURITIUS |
| 83 | *83* | ATHENS | GREECE |
| 84 | *84* | WARSAW | POLAND |
| 85 | *85* | TAIPEI | TAIWAN |
| 86 | *86* | BRATISLAVA | SLOVAKIA |

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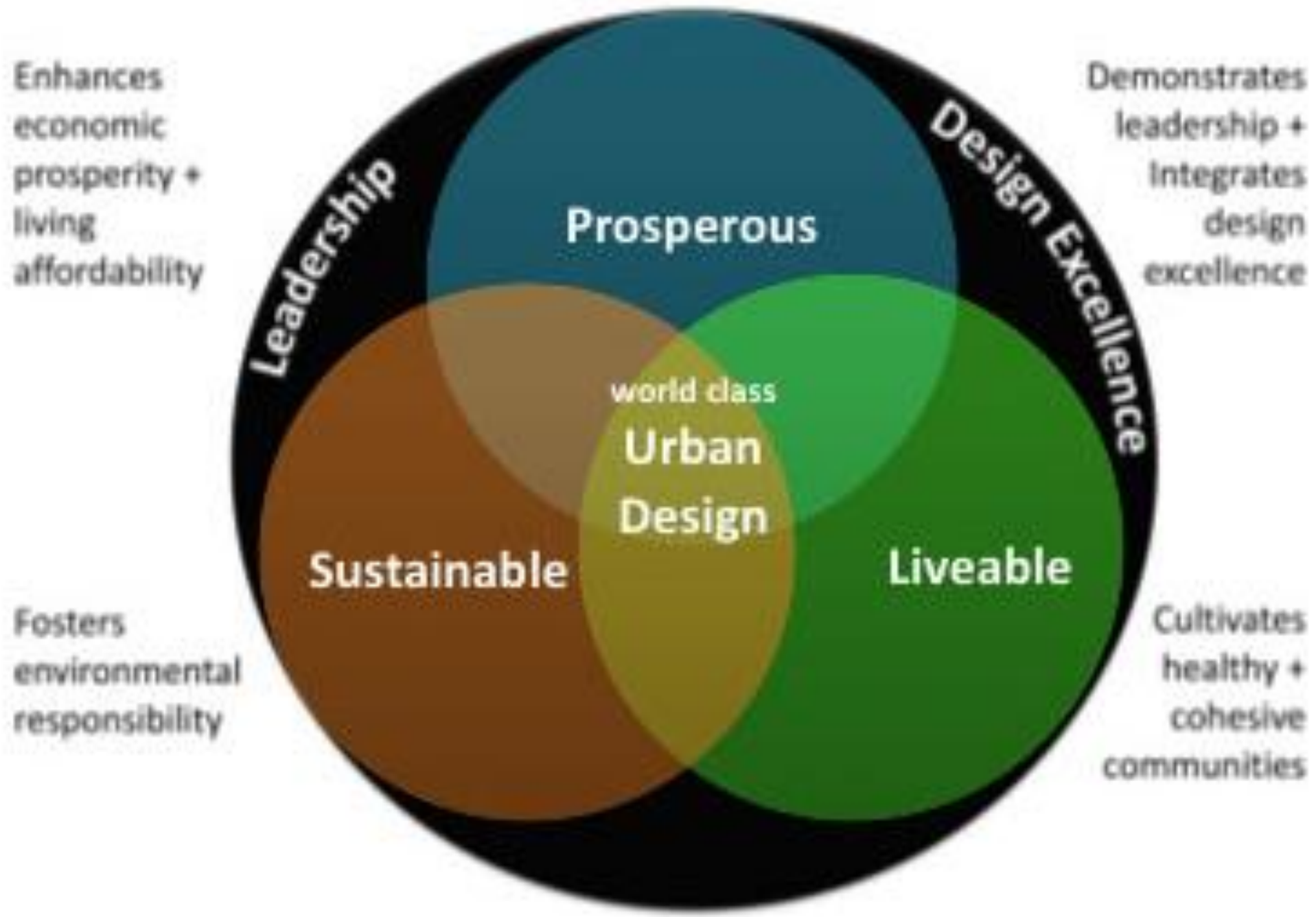
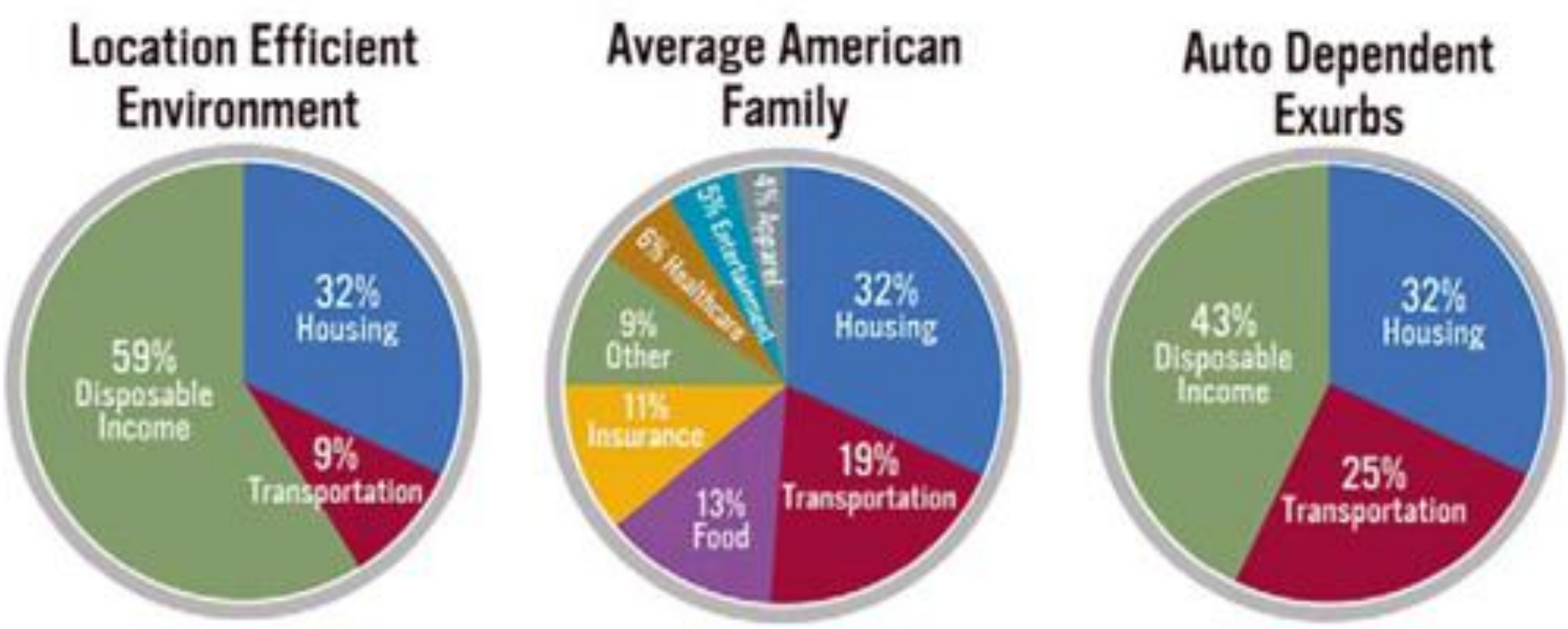
# Pillars of Urban Design Protocol



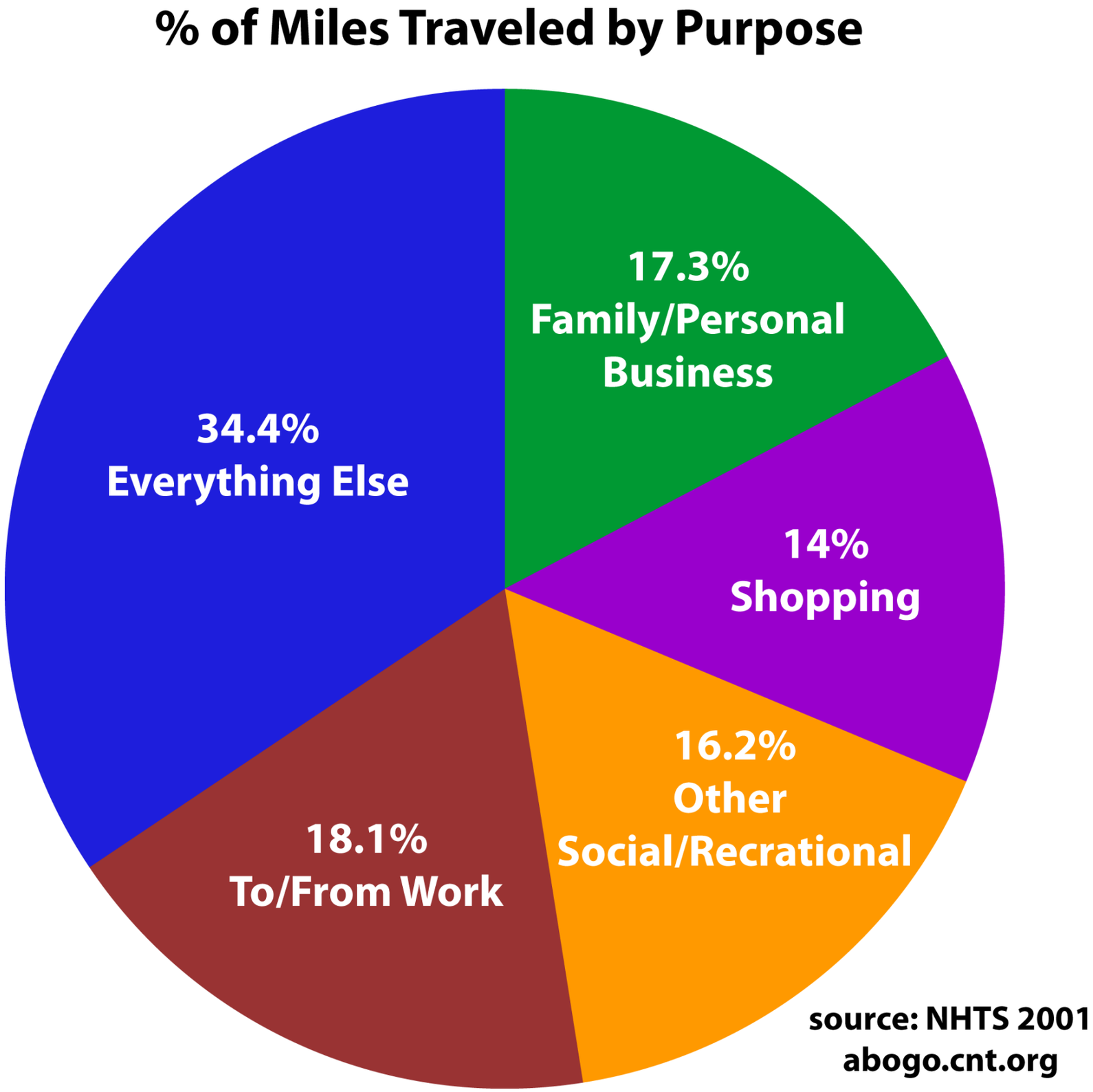
# A Case for Accessibility

- Creation of urban connectivity
- Having amenities at Localities which are near
- Green Transport Masterplan
- Availability and Frequency of Public Transport
- Facilities for Public Transportation
- Pedestrian Networks
- Cycling Networks
- Alternative Transport Options

# A case for Accessibility



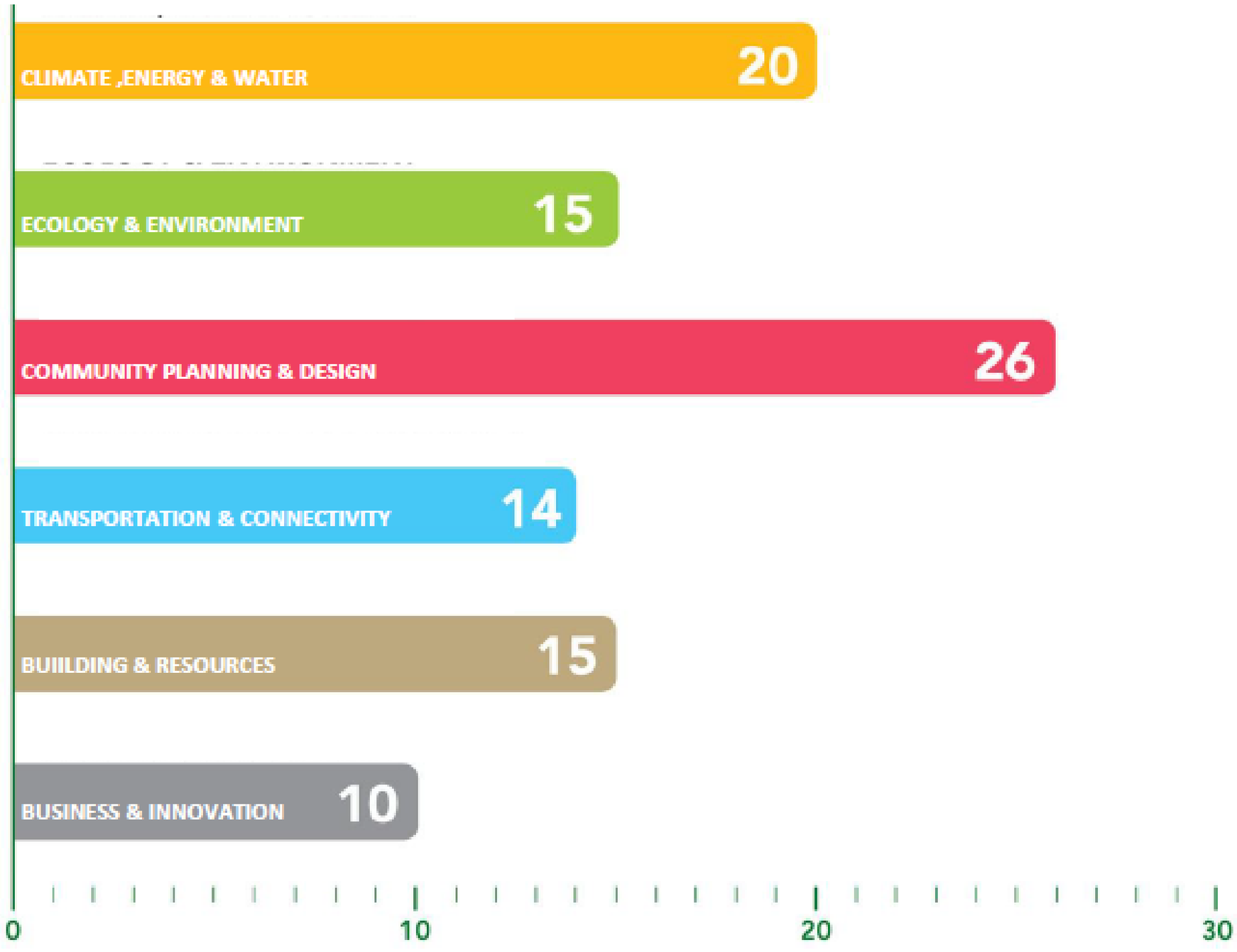
# A case for Accessibility



# Performance Criteria

# Performance Criteria

## Translated into scoring



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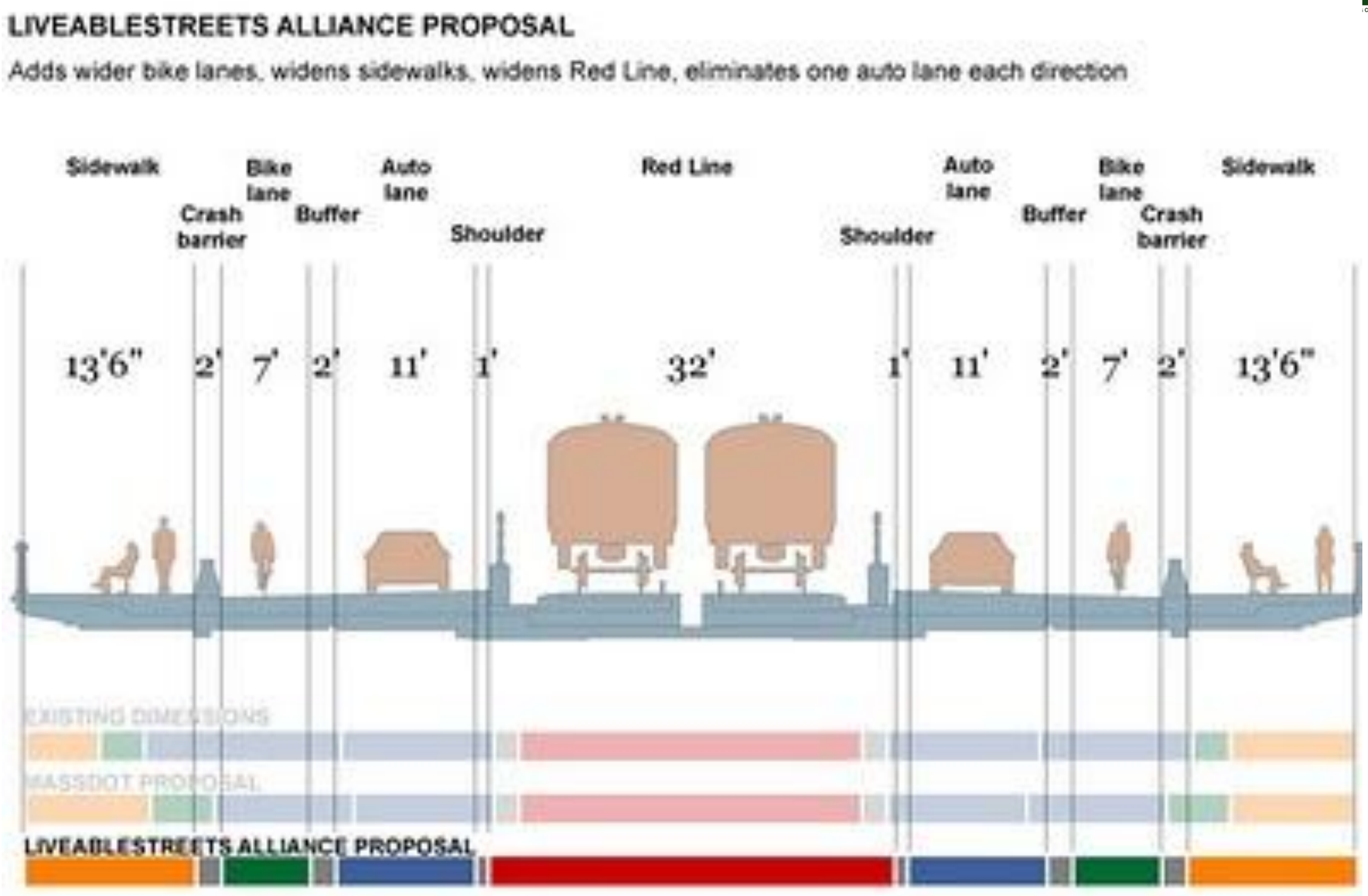
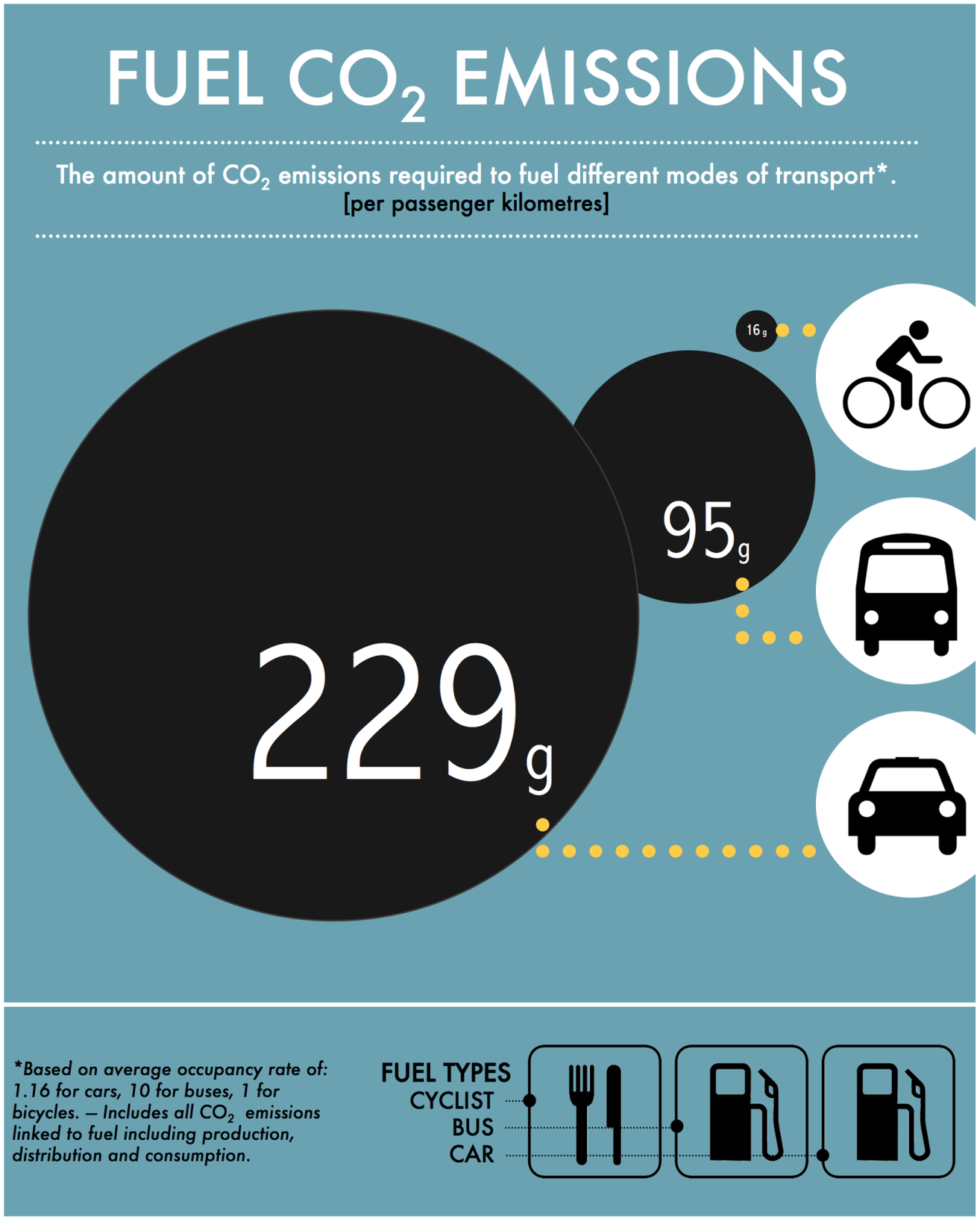


# Travelling to work

# Performance Criteria



# The 40 people test

Bike

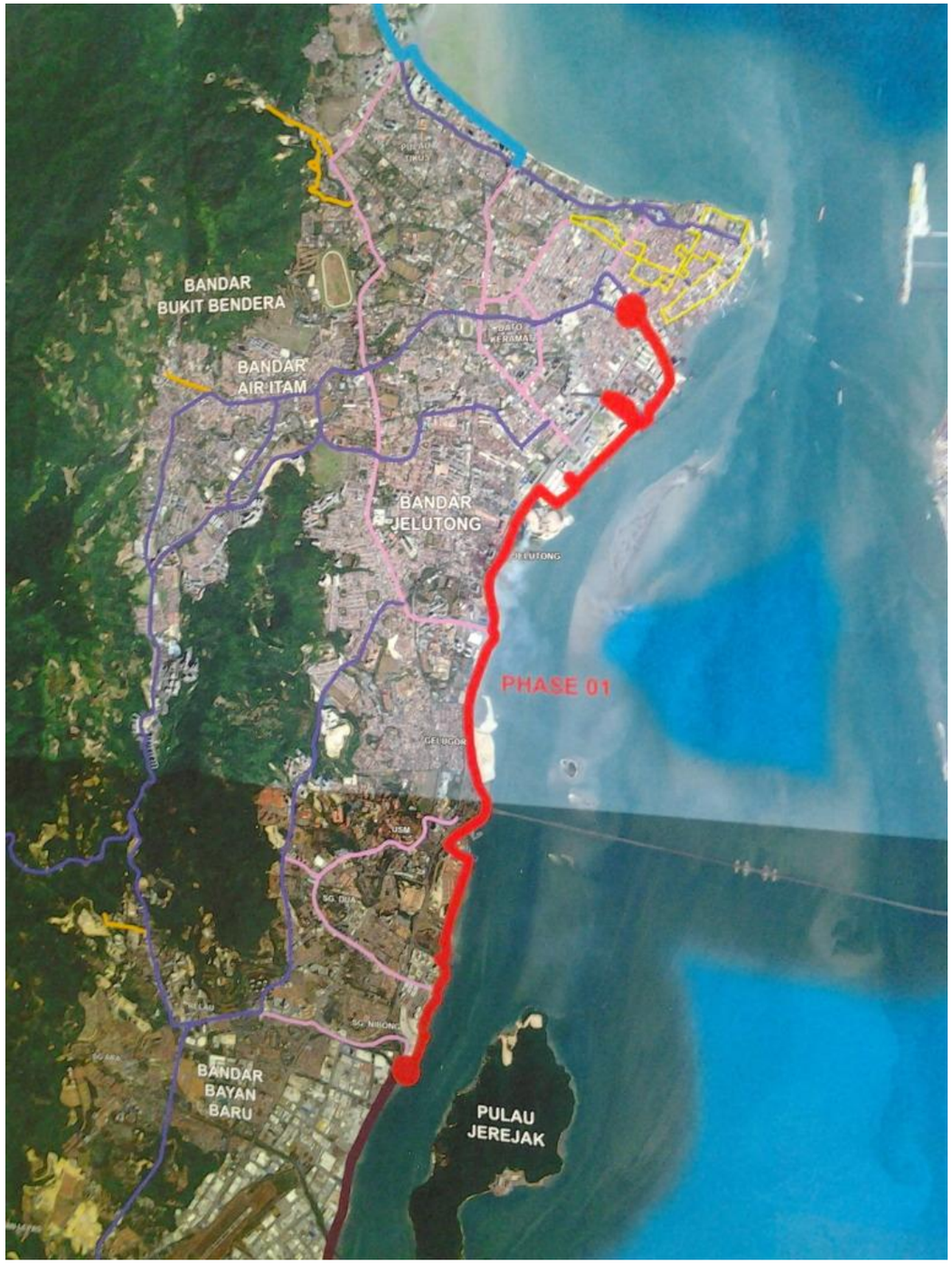
Car

Bus

# Green Urbanism

# KL no Car Day - DBKL

# Serious Bike Lanes- MPPP



# Biking in Malaysia?

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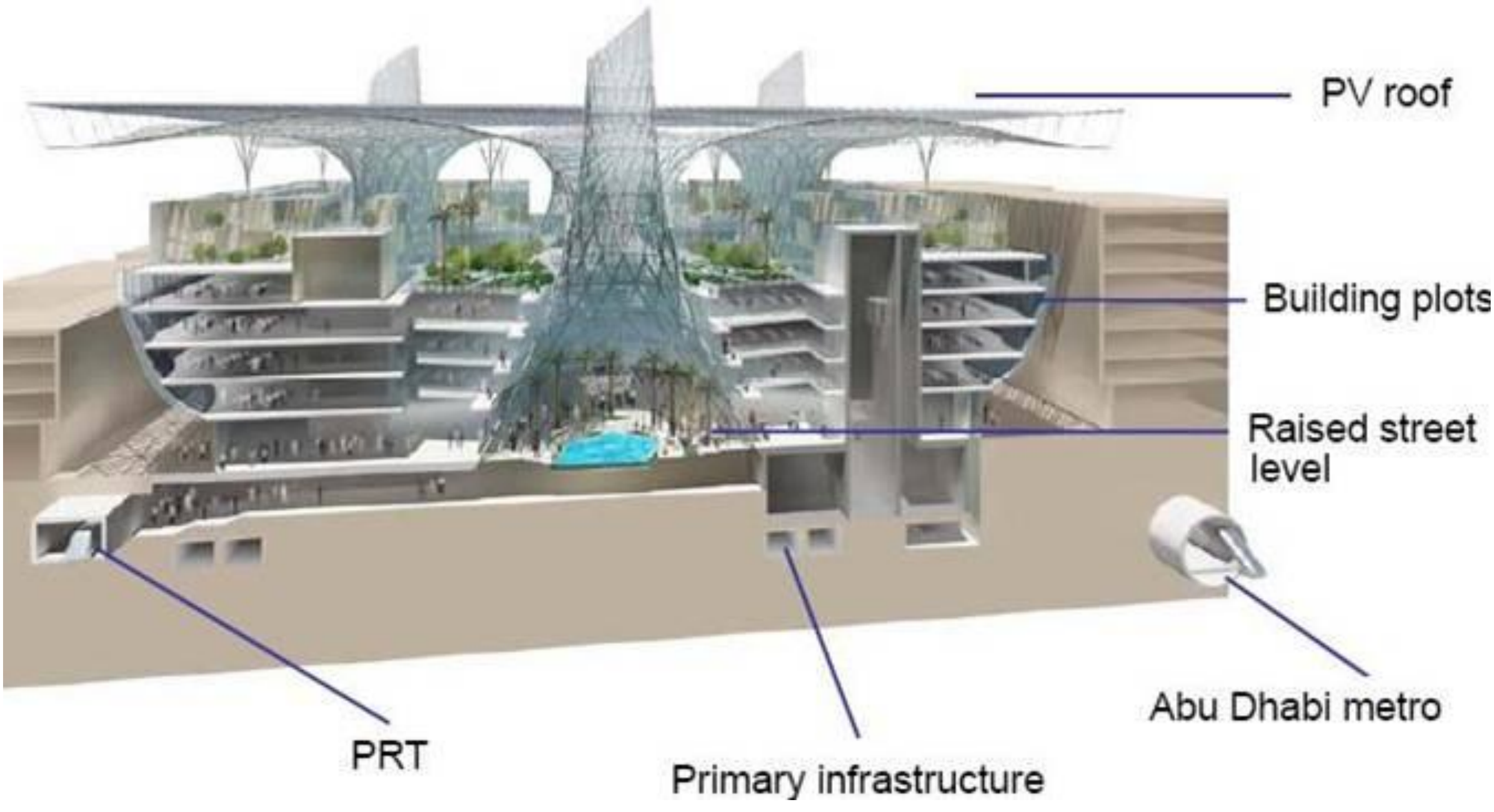
# Green Urbanism

## Masdar City Cross Section



# Green Urbanism

## Melaka Smart Grid City 2030

# Green Urbanism