





Walking as a Service – does it have legs?

Glenn Lyons

Mott MacDonald professor of future mobility, UWE Bristol

Glenn.Lyons@uwe.ac.uk / Glenn.Lyons@mottmac.com

 <https://www.linkedin.com/in/glenn-lyons/>  @GlennLyons2







About 496,000,000 results (0.47 seconds)

Dictionary

Search for a word



pedestrian

/piˈdɛstriən/

noun

1. a person walking rather than travelling in a vehicle.

*"the road is so dangerous pedestrians avoid it"**synonyms:* walker, person on foot, hiker, Rambler, stroller, wayfarer, footslogger; rare foot traveller*"a collision between a pedestrian and a car"*

adjective

1. lacking inspiration or excitement; dull.

*"disenchantment with their pedestrian lives"**synonyms:* dull, plodding, boring, tedious, monotonous, uneventful, unremarkable, tiresome, wearisome, uninspired, uncreative, unimaginative, unexciting, uninteresting, lifeless, dry; More

Translations, word origin and more definitions

Feedback



More images

Pedestrian



A pedestrian is a person travelling on foot, whether walking or running. In some communities, those travelling using tiny wheels such as roller skates, skateboards, and scooters, as well as wheelchair users are also included as pedestrians. [Wikipedia](#)

Feedback

See results about

[PEDESTRIAN.TV \(Media company\)](#)

Parent organization: Nine Digital Pty Limited

Founders: Oscar Martin, Chris Wirasinha





45

percentage of journeys by urban residents under 2 miles

81

percentage of all trips **under 1 mile** that are walked

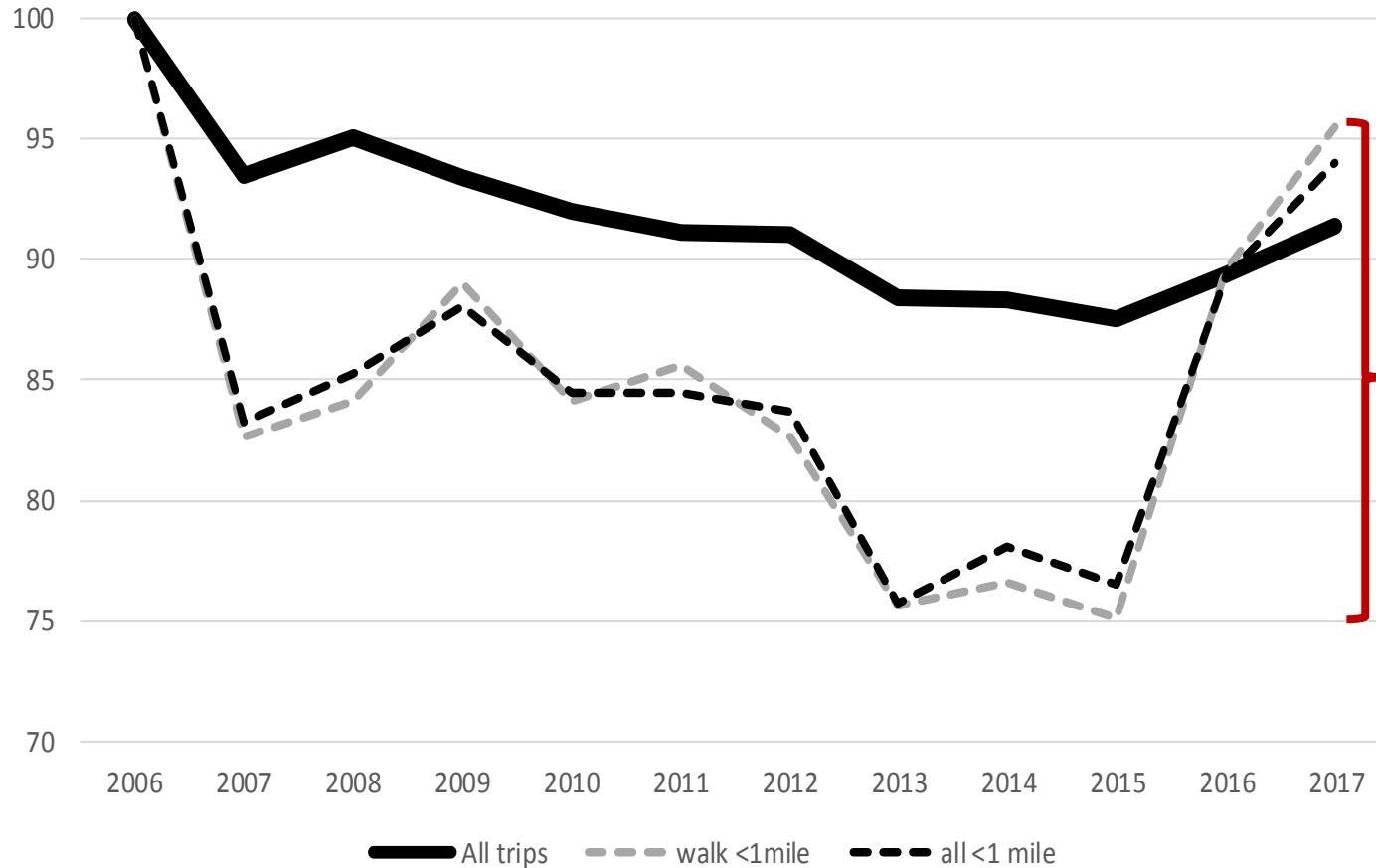
30

percentage of all trips between 1 and 2 miles that are walked

3M

daily journeys by Londoners by motorised modes that **could be walked**

Change in overall trip rate in England over time, compared against
change for *all* trips and for *walk* trips under one mile – index: 2006=100 (NTS data)



23%

overwhelmingly
accounts for
increase in
overall trip rate

why?
2018, 19, ...?

barriers to walking



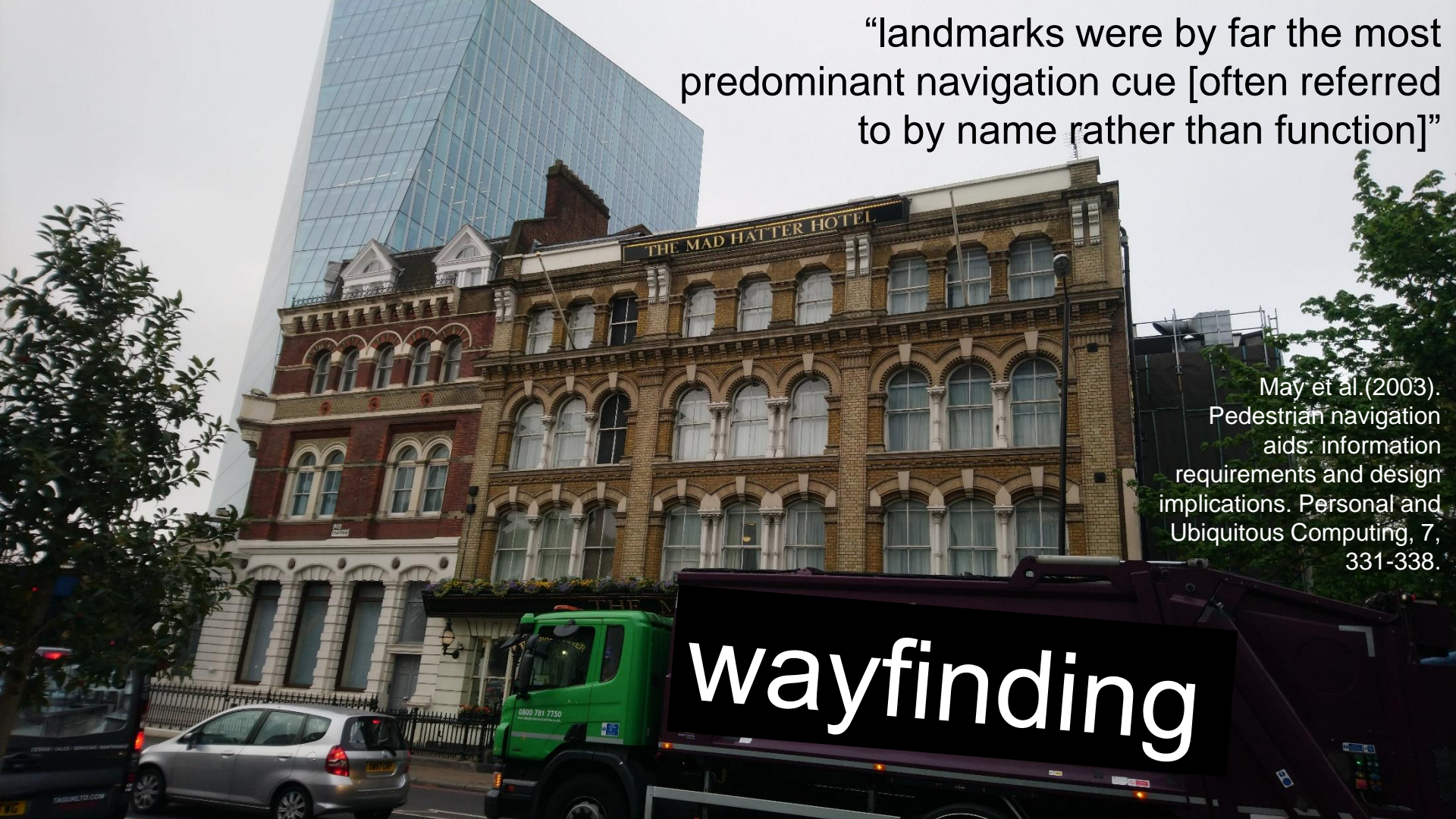
- not having enough **time**
- too much **traffic**, and traffic travelling too fast
- personal **security** concerns
- having **other ways** of travelling that work better
- **streets are not pedestrian friendly**
- not being **fit** enough
- road **danger** concerns
- having a **disability**

➔ **walkability**

“landmarks were by far the most predominant navigation cue [often referred to by name rather than function]”

May et al. (2003).
Pedestrian navigation
aids: information
requirements and design
implications. Personal and
Ubiquitous Computing, 7,
331-338.

wayfinding



Walking times between stations on the same line

Walking can be a quick and easy way to get around, particularly when travelling during the busiest times, which are 08:00-09:00 and 17:30-18:30 Monday to Friday. This map shows how much time it takes to walk between stations on the same line. For more walking maps, visit tfl.gov.uk/walking.

Key to Lines

- Bakerloo
- Central
- Circle
- District
- Hammersmith & City
- Jubilee
- Metropolitan
- Northern
- Piccadilly
- Victoria
- Waterloo & City
- DLR
- London Overground
- District open weekends and on some public holidays

Key to symbols

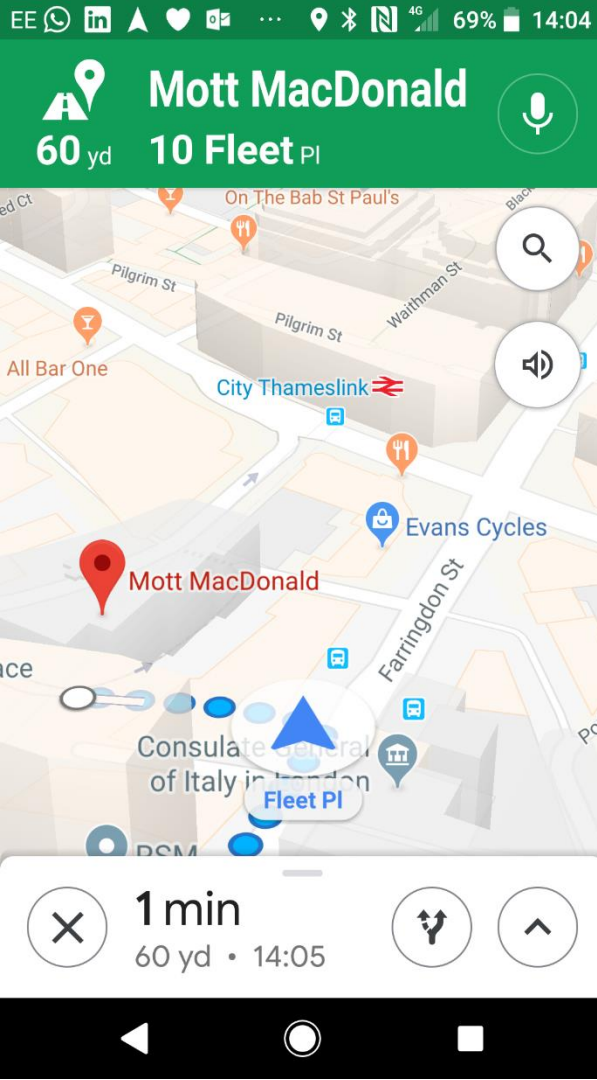
- Interchange stations
- Step-free access from street to train
- Step-free access from street to platform
- National Rail
- Riverboat services
- Victoria Coach Station



Approximate times, in minutes, based on a moderate walking speed.

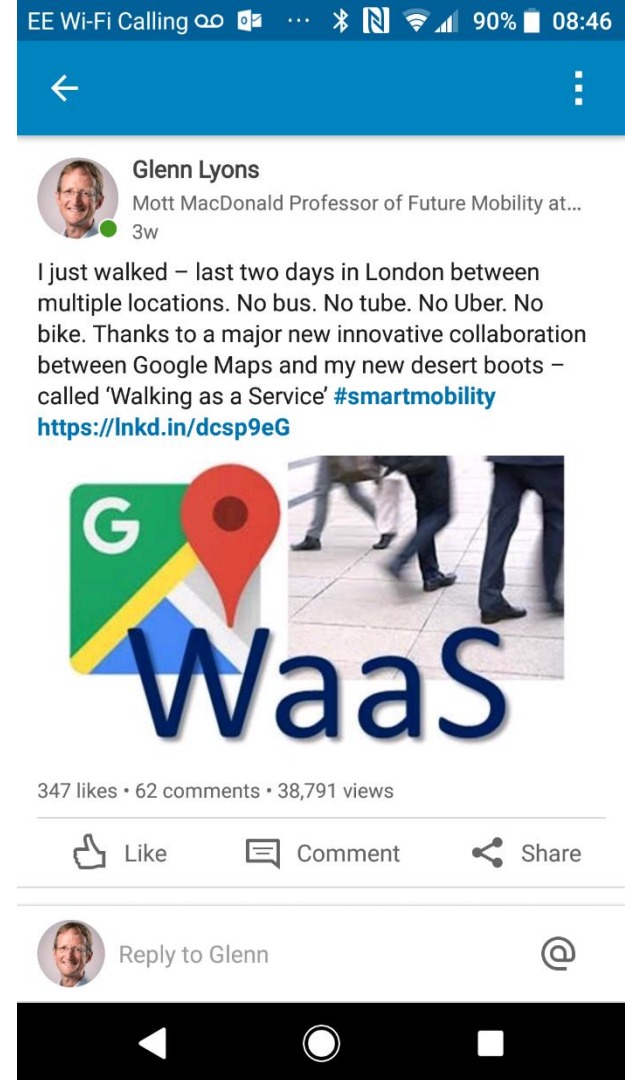
© Transport for London

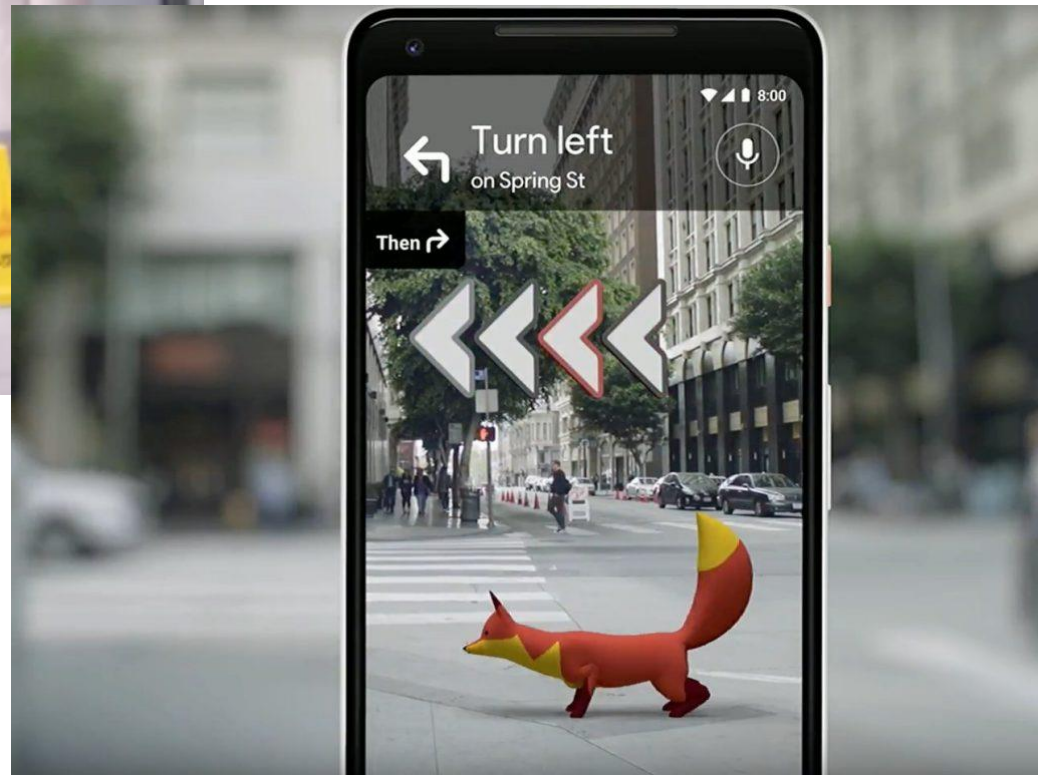
“will inform tourists and new London residents of the journeys you simply needn’t bother swiping your Oyster card for”



“the future is
already here its
just unevenly
distributed”

William Gibson
(science fiction writer)



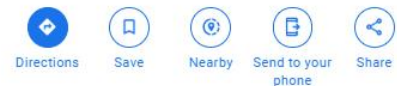




Waterloo Station

4.1 ★★★★★ (843)

Train station



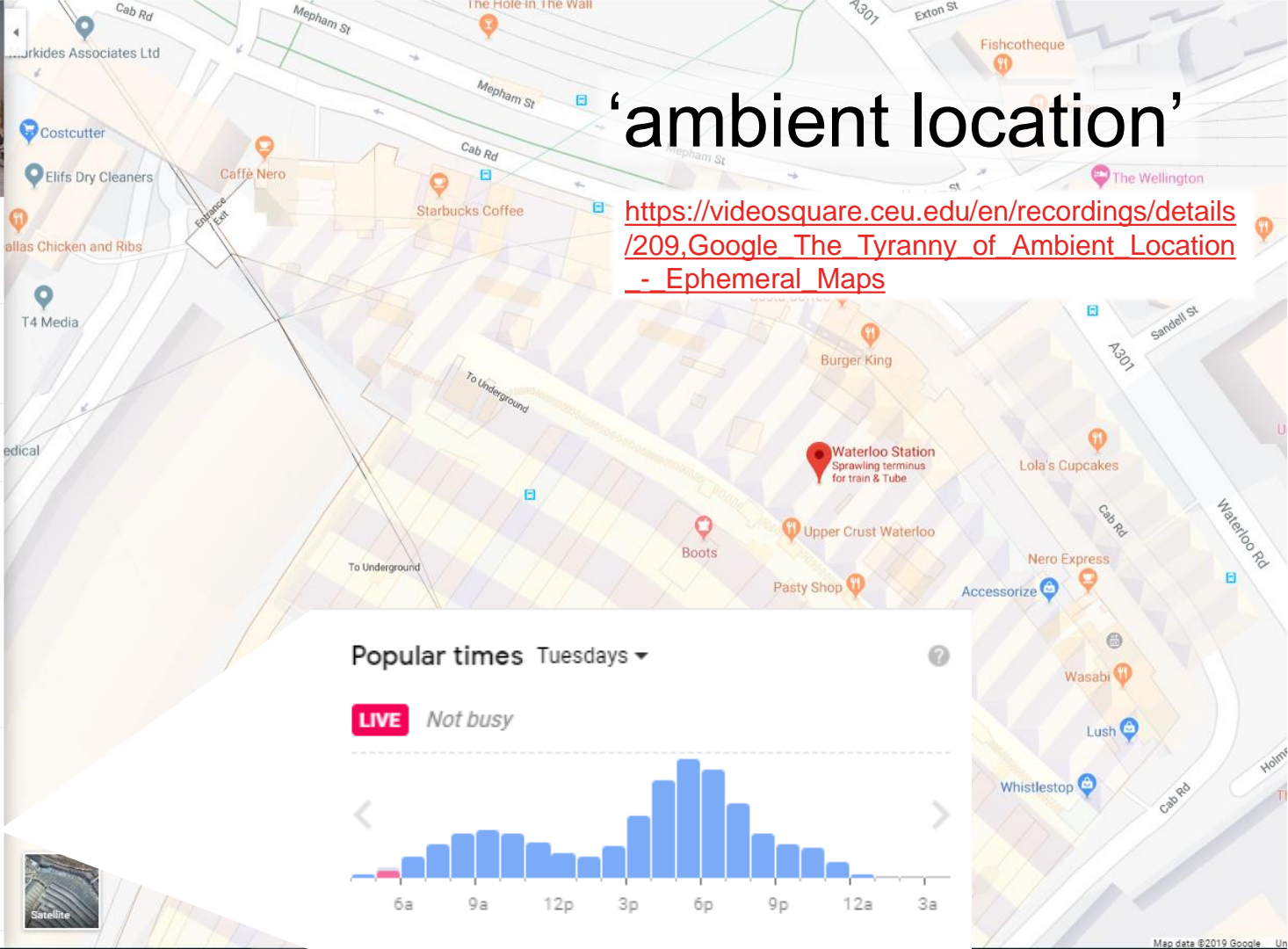
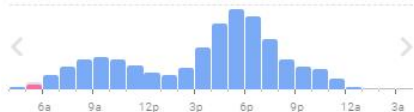
A vast marble arch fronts the UK's largest train station, for links to the South West and the Tube.

- Waterloo Rd, Lambeth, London SE1 8SW
- GV3Q+73 London
- networkrail.co.uk
- 0345 711 4141
- Add a label

Suggest an edit

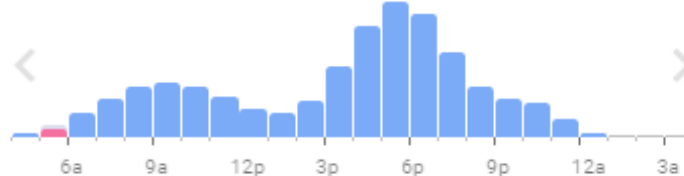
Popular times Tuesdays

LIVE Not busy



Popular times Tuesdays

LIVE Not busy

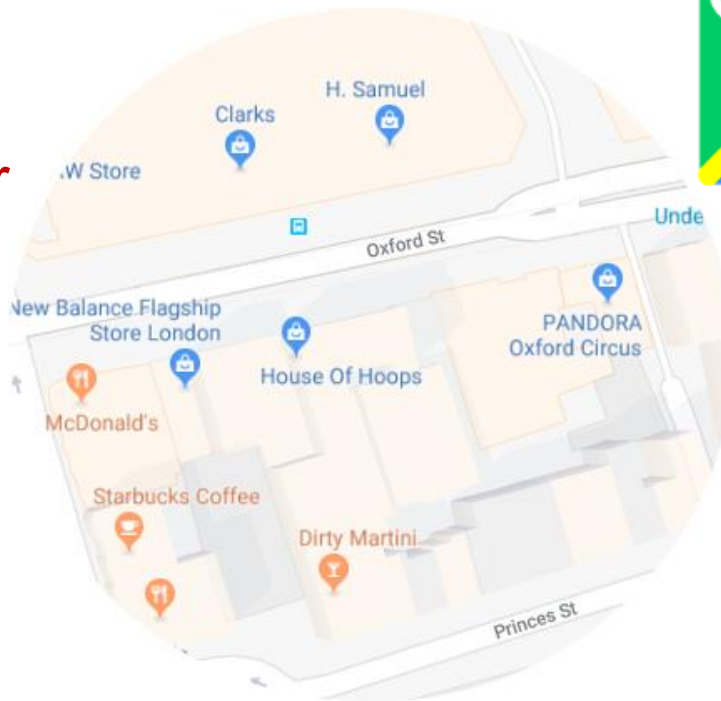


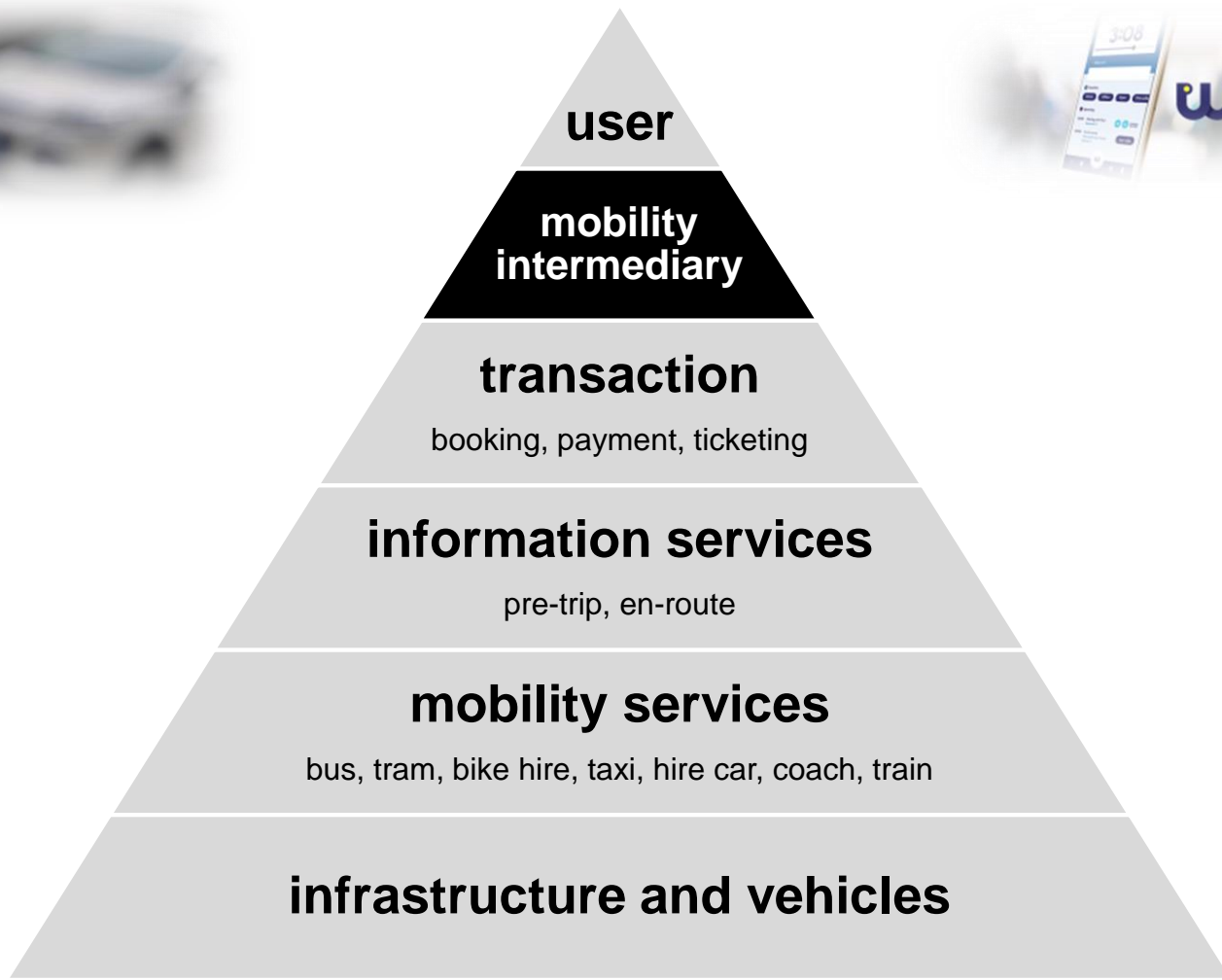
pedestrian

proprietor



provider





user

**mobility
intermediary**

transaction

booking, payment, ticketing

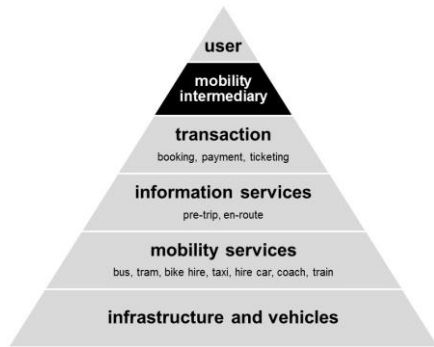
information services

pre-trip, en-route

mobility services

bus, tram, bike hire, taxi, hire car, coach, train

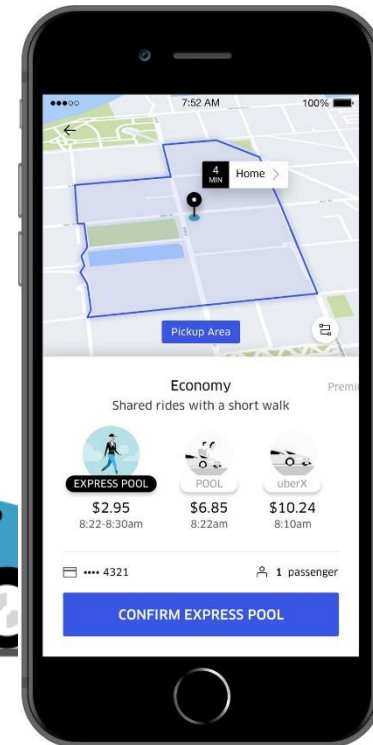
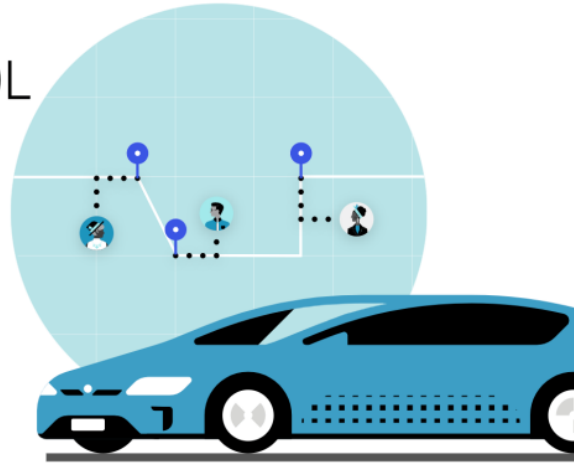
infrastructure and vehicles

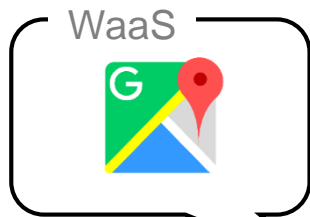


looking for WaaS in MaaS

mobility intermediaries are **selling** access to mobility

Express POOL





user

mobility intermediary

WaaS
not applicable (for end user)

transaction

WaaS
walkable environment,
comfortable footwear,
weather-appropriate gear,
and smartphone,



information services

mobility services

WaaS
suitable pavements
with built environment
permeability,
and physically able to
walk

infrastructure and vehicles

different business models

MaaS

selling access to mobility

WaaS

selling access to geography

selling access to consumers

*'if a product is free
then you are the product'*

looking to the future

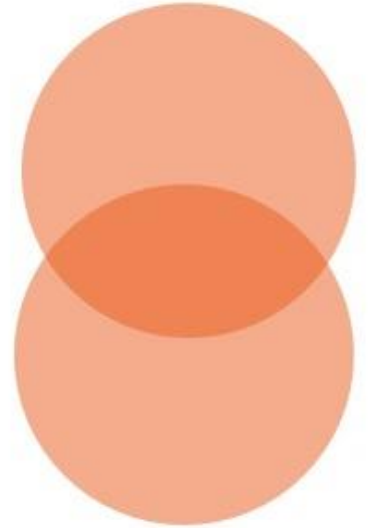


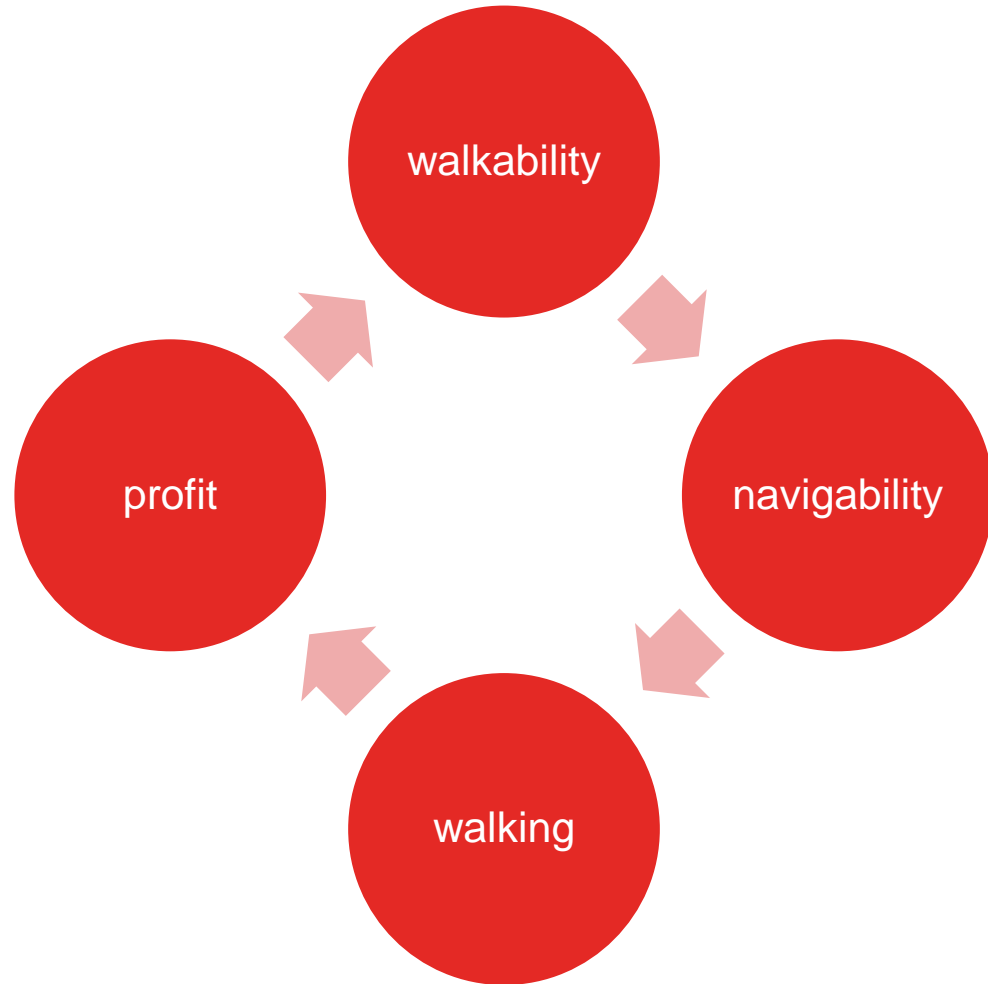
Principle 3:

“Walking, cycling and active travel must remain the best options for short urban journeys.”

Walking
aimed
at
Shareholders

Walking
aimed
at
Sustainability







Lilian Greenwood ✓
@LilianGreenwood

Since we launched [@CommonsTrans](#) inquiry into [#PavementParking](#) last week, there's been a huge response & you can see why. It's understandable in some locations but in others, not so much... Find out more via our website & [#HaveYourSay](#)



Glenn Lyons
@GlennLyons2

Sick of pavement parking in my village, I am wondering whether the antidote may be to play the car and van owners responsible at their own game - pedestrian technology parked on the highway...? [#sharedspace](#)
[#reallocatingroadspace](#)
[#notdoingthisforrealplease](#)



11:15 PM - 12 May 2019

let's put our foot down and walk
towards the future of mobility

