LIVING IN THE ENDLESS CITY

Toronto 26 October 2011

Caracas, Venezuela

London 2012 Olympics

2%

of the earth's surface is occupied by cities

53%

of the world's population lives in cities

33%

of city dwellers live in slums

75%

of the world's CO_2 emissions are produced by cities


GIANT


Shanghai, 2007

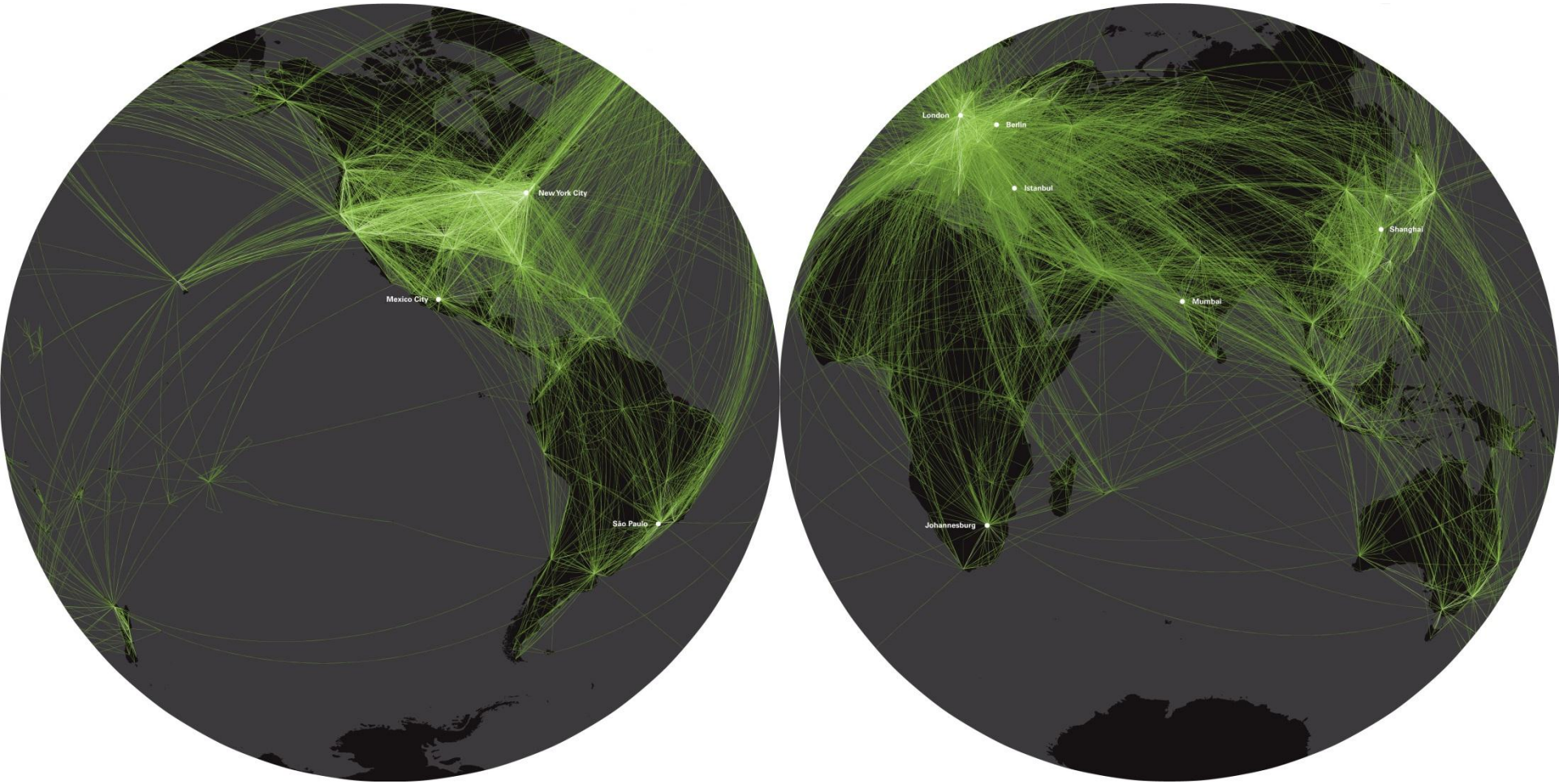
Paraisopolis, Sao Paulo, 2006

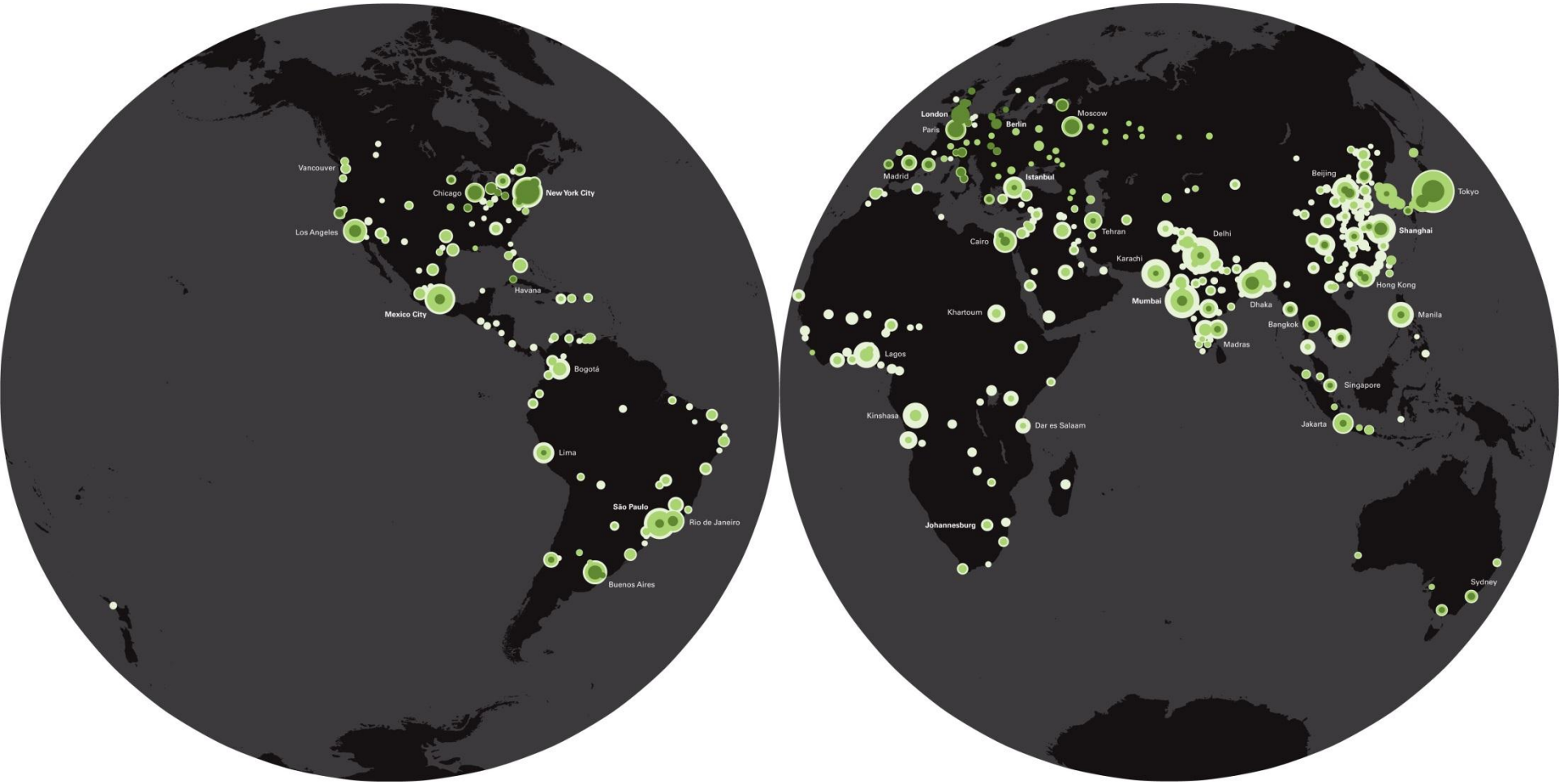

Mexico City, 2005

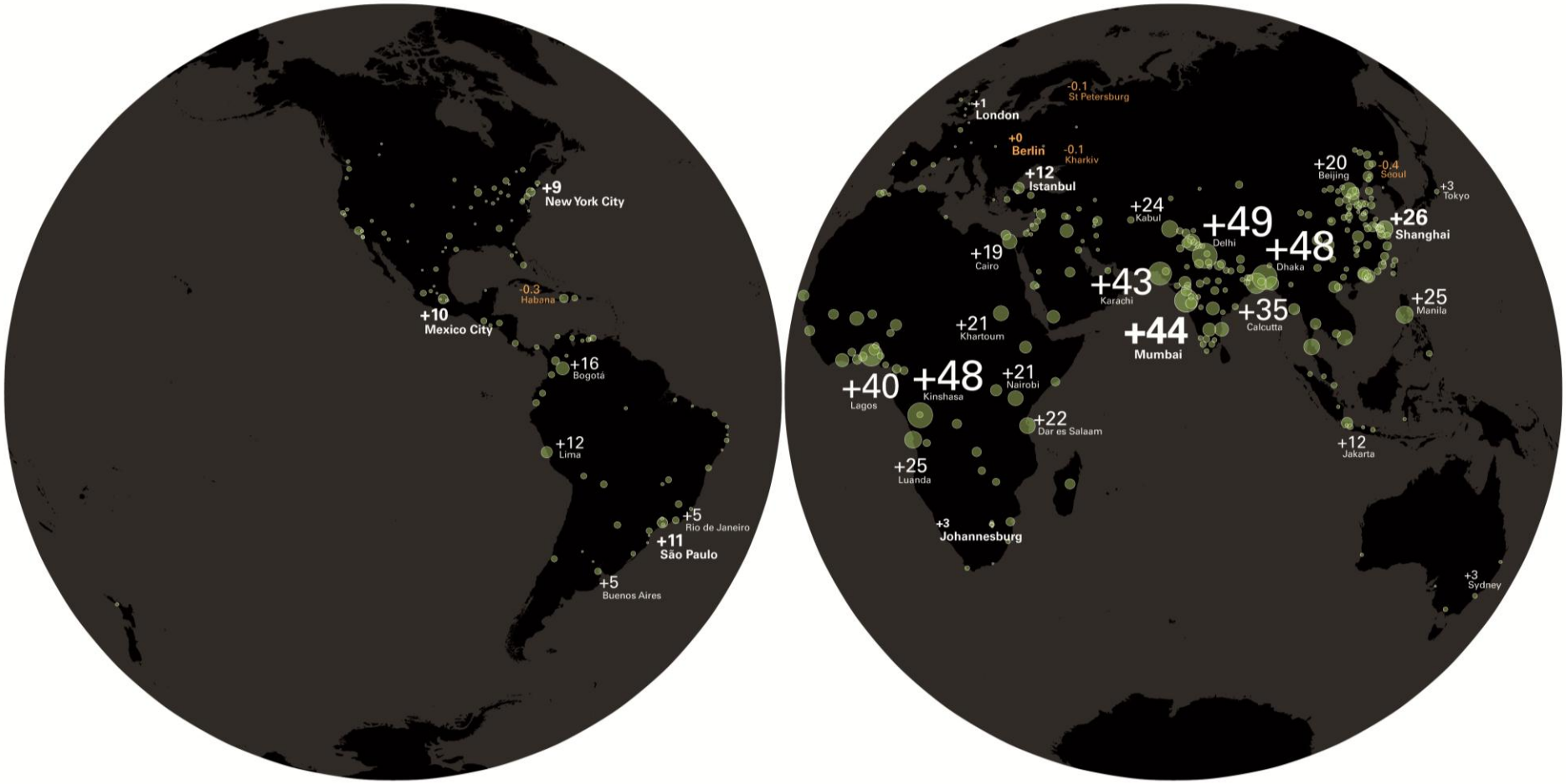
Mumbai; 2011 14 million - 2050 35+ million

LSE Cities

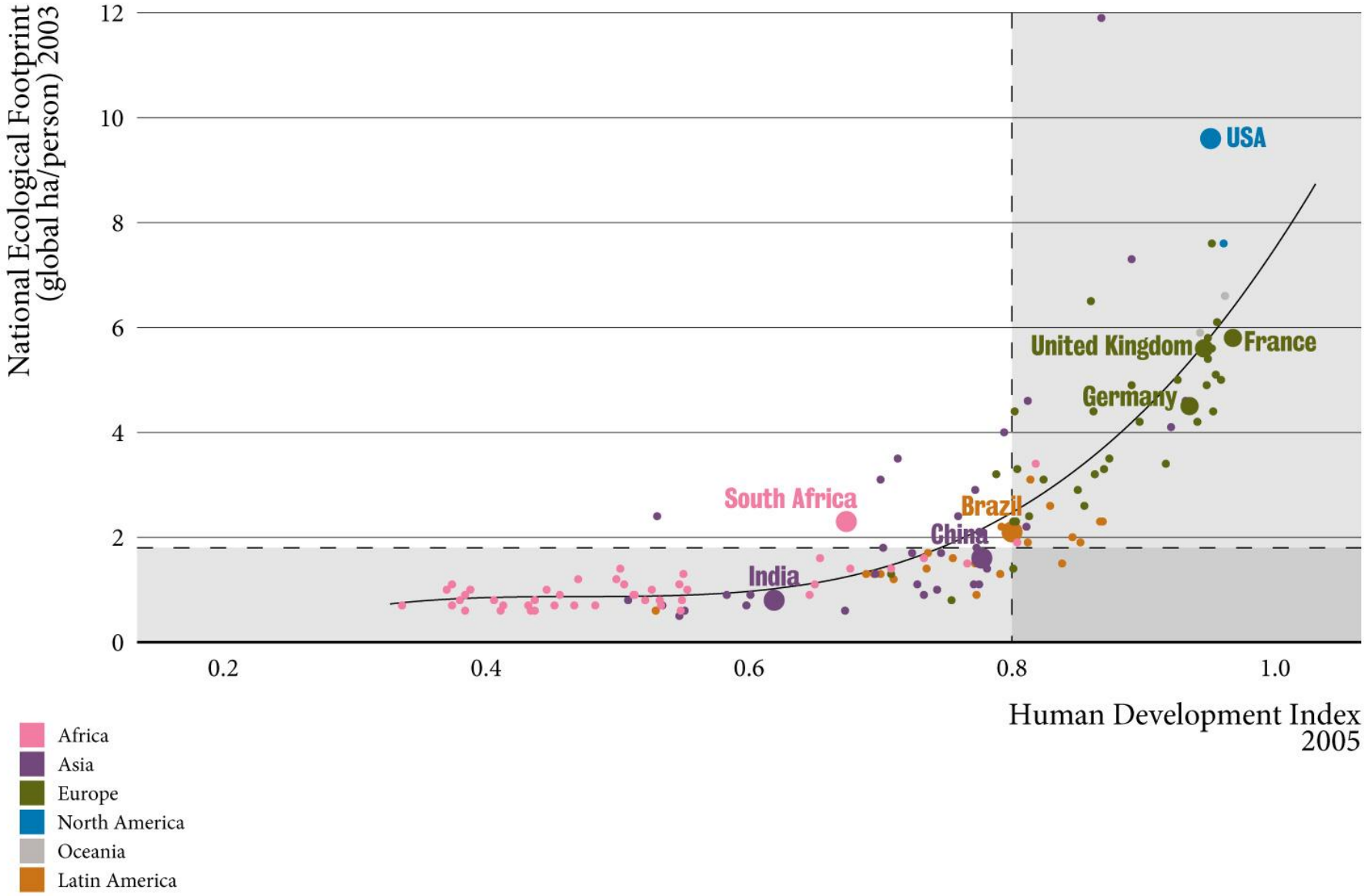
AN INTERNATIONAL CENTRE SUPPORTED BY DEUTSCHE BANK


New York City
Mexico City
São Paulo
London
Berlin
Istanbul
Shanghai
Mumbai
Johannesburg

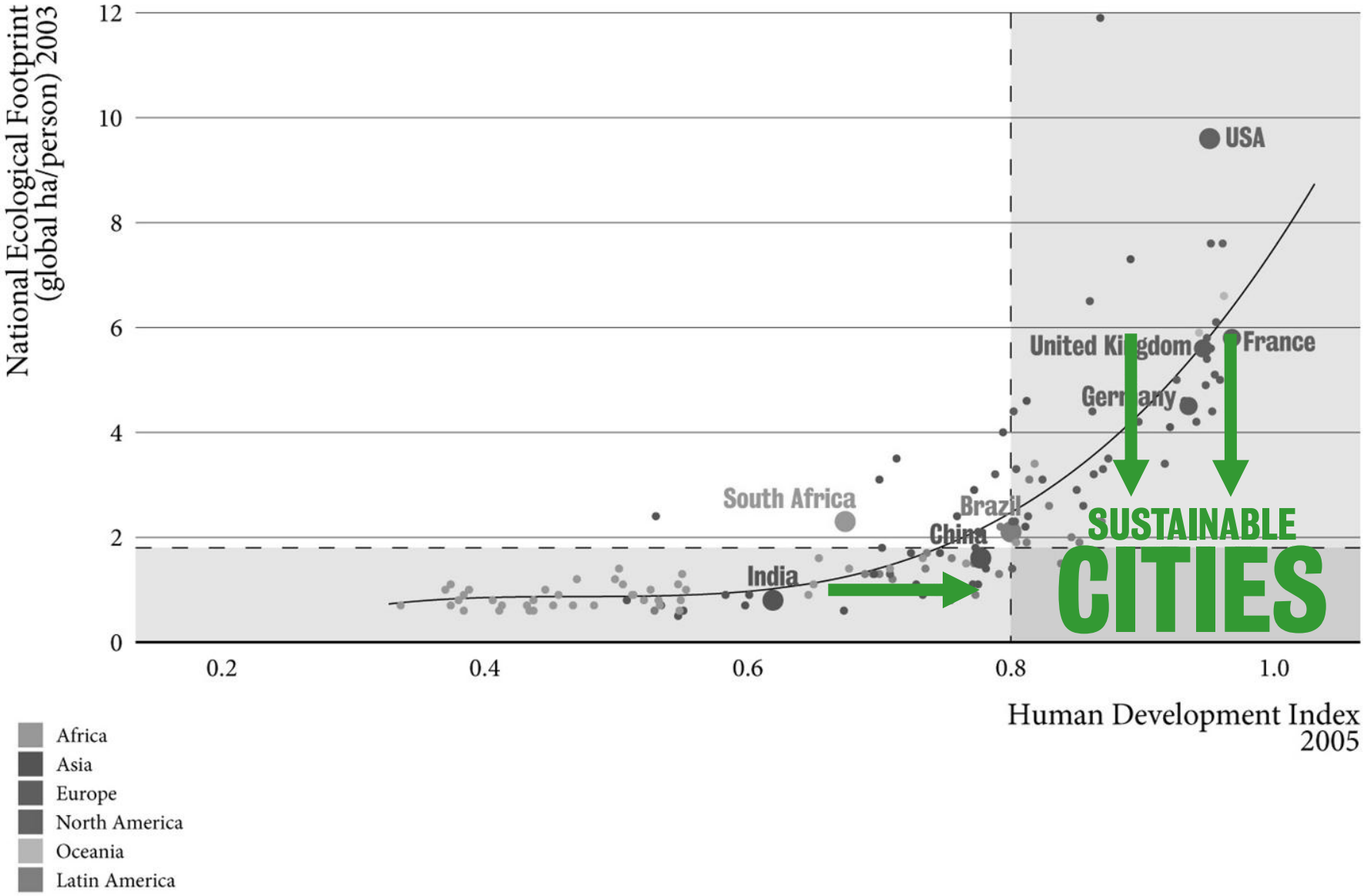

Vancouver
Chicago
New York City
Los Angeles
Havana
Mexico City
Bogotá
Lima
São Paulo
Rio de Janeiro
Buenos Aires
London
Paris
Berlin
Moscow
Madrid
Istanbul
Beijing
Tokyo
Shanghai
Cairo
Tehran
Delhi
Karachi
Hong Kong
Mumbai
Dhaka
Manila
Khartoum
Bangkok
Madras
Lagos
Singapore
Kinshasa
Dar es Salaam
Jakarta
Johannesburg
Sydney


+9
New York City
-0.3
Habana
+10
Mexico City
+16
Bogotá
+12
Lima
+5
Rio de Janeiro
+11
São Paulo
+5
Buenos Aires
+1
London
-0.1
St Petersburg
+0
Berlin
-0.1
Kharkiv
+12
Istanbul
+20
Beijing
-0.4
Seoul
+3
Tokyo
+24
Kabul
+49
Delhi
+48
Dhaka
+26
Shanghai
+19
Cairo
+43
Karachi
+35
Calcutta
+25
Manila
+21
Khartoum
+44
Mumbai
+40
Lagos
+48
Kinshasa
+21
Nairobi
+22
Dar es Salaam
+12
Jakarta
+25
Luanda
+3
Johannesburg
+3
Sydney

HUMAN DEVELOPMENT AND ECOLOGICAL FOOTPRINT BY COUNTRY

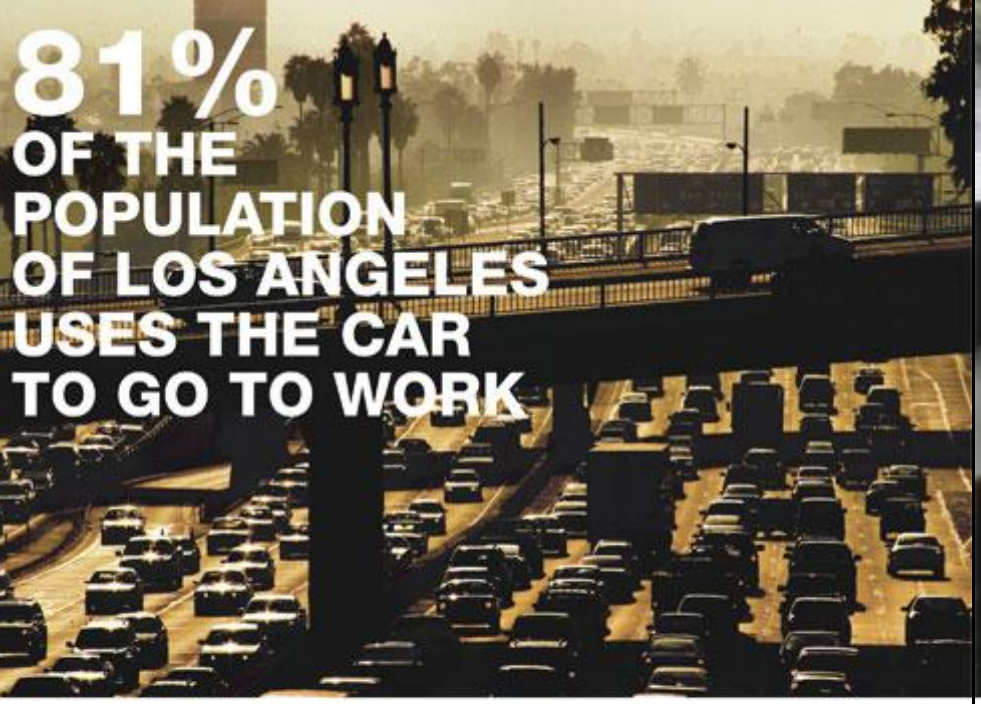


HUMAN DEVELOPMENT AND ECOLOGICAL FOOTPRINT BY COUNTRY

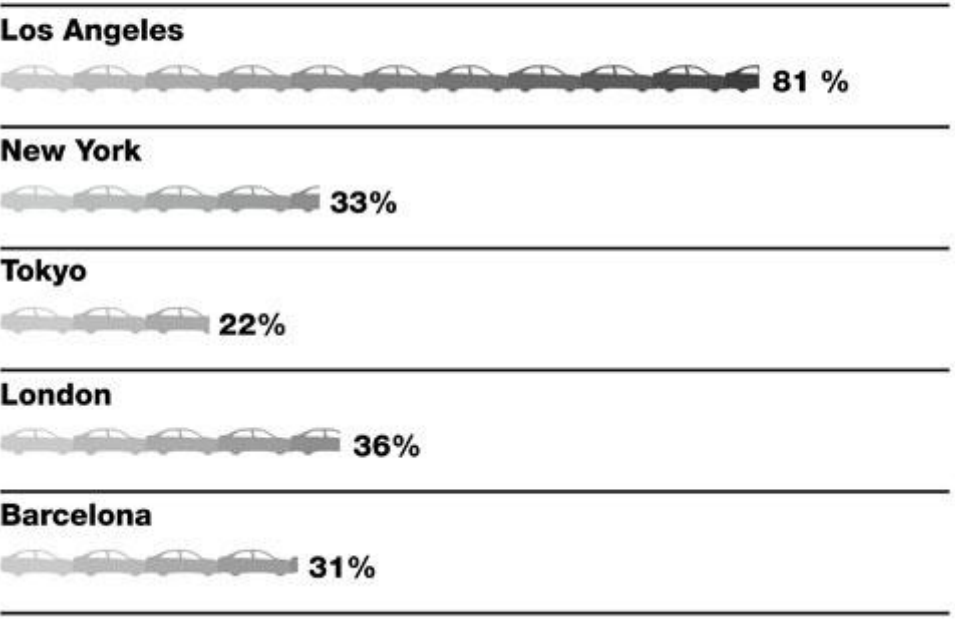


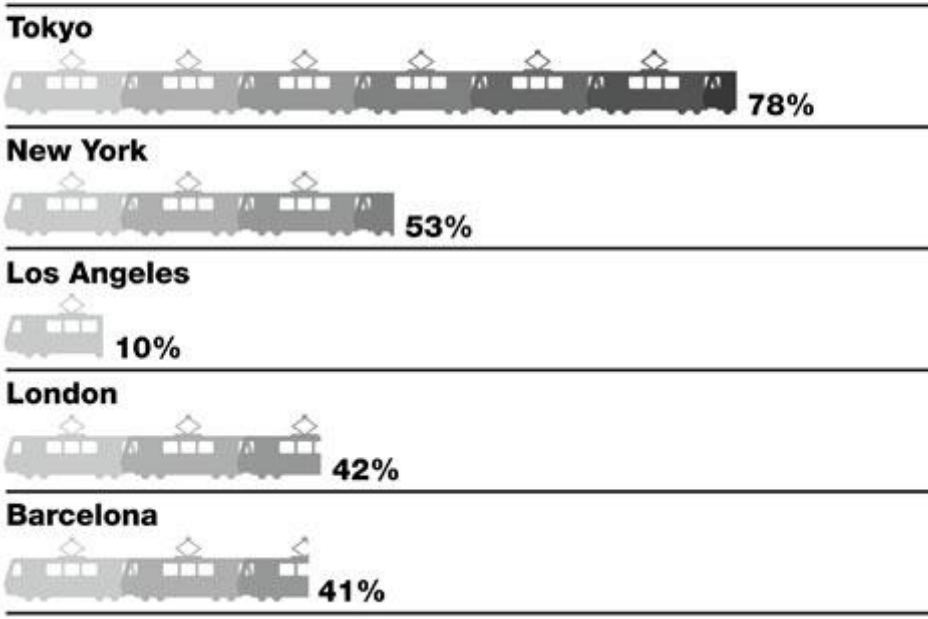

Sao Paulo, Brazil , 2008


SAÍDA 700 m
Túnel A. Senna
Marg. Pinheiros
SAÍDA 600 m
Pq. Ibirapuera
Av. Brasil


81%
OF THE
POPULATION
OF LOS ANGELES
USES THE CAR
TO GO TO WORK


78%
OF THE
POPULATION
OF TOKYO
USES PUBLIC
TRANSPORT
TO GO
TO WORK

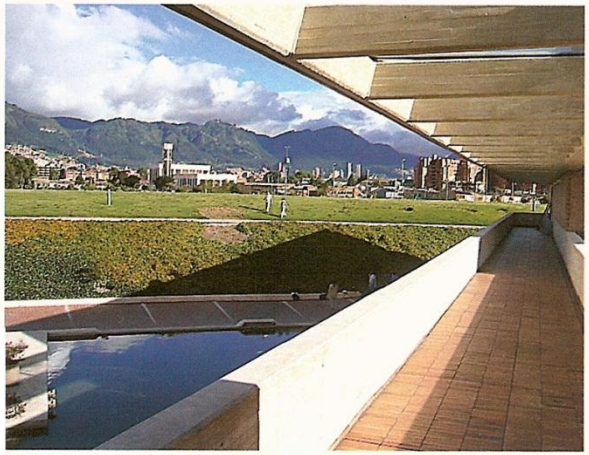

Los Angeles
81 %
New York
33%
Tokyo
22%
London
36%
Barcelona
31%

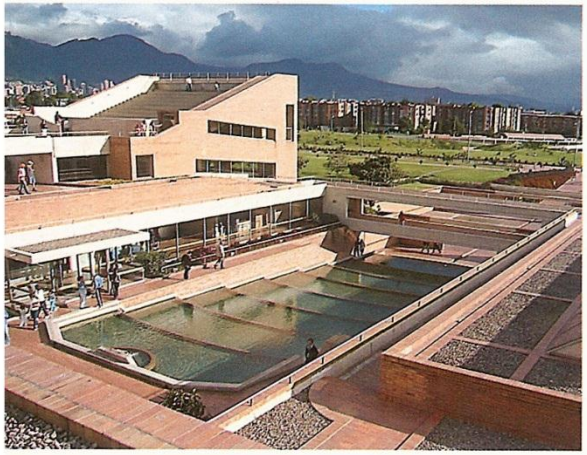

Tokyo
78%
New York
53%
Los Angeles
10%
London
42%
Barcelona
41%

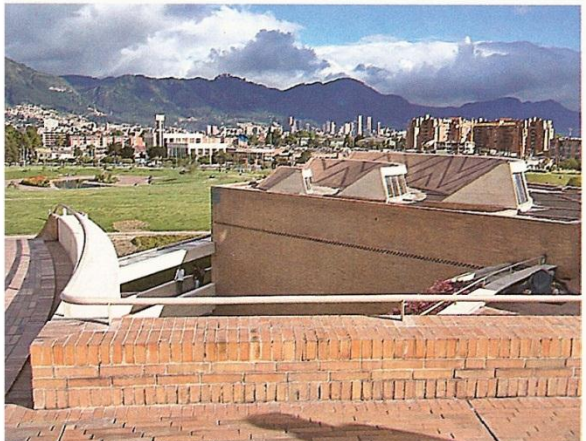

Bogota, Colombia, 2000-2005


Coca-Cola

TransMilenio reported a 93% reduction in traffic fatalities; a 40% drop in some air pollutants; a 32% decline in travel time; and a passenger acceptance level of 88%



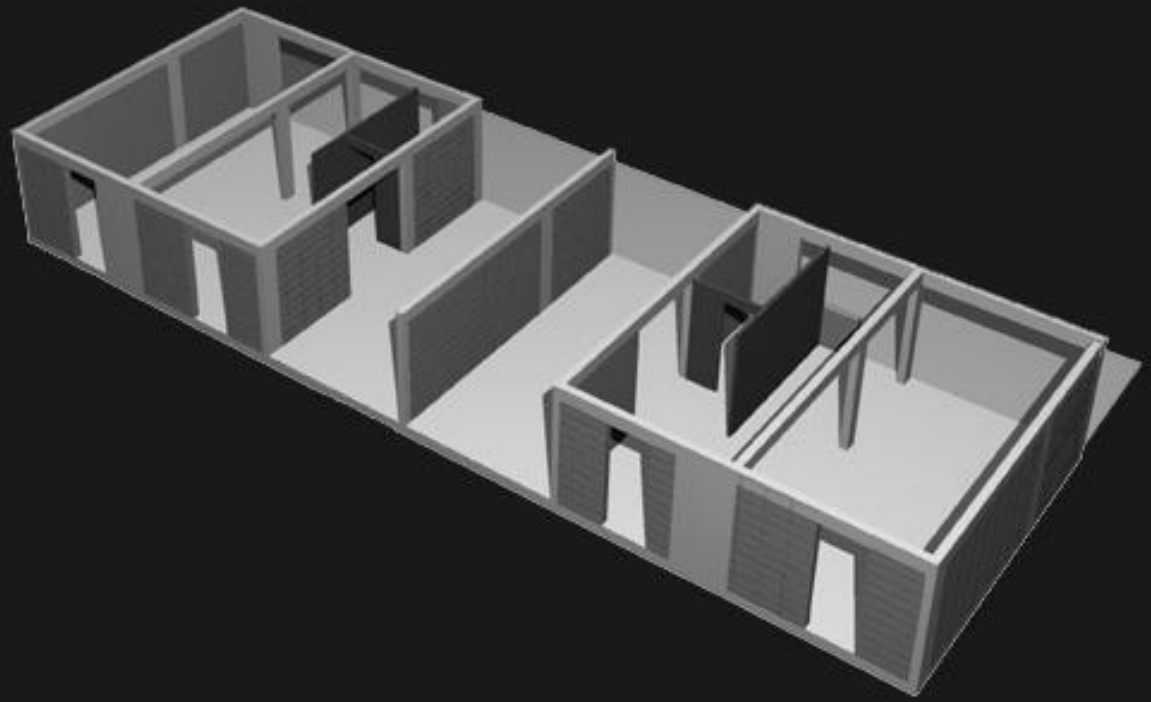




ELEMENTAL

This is what you normally get
while building for $7.500,
45 minutes away from the city,
in a stigmatized periphery

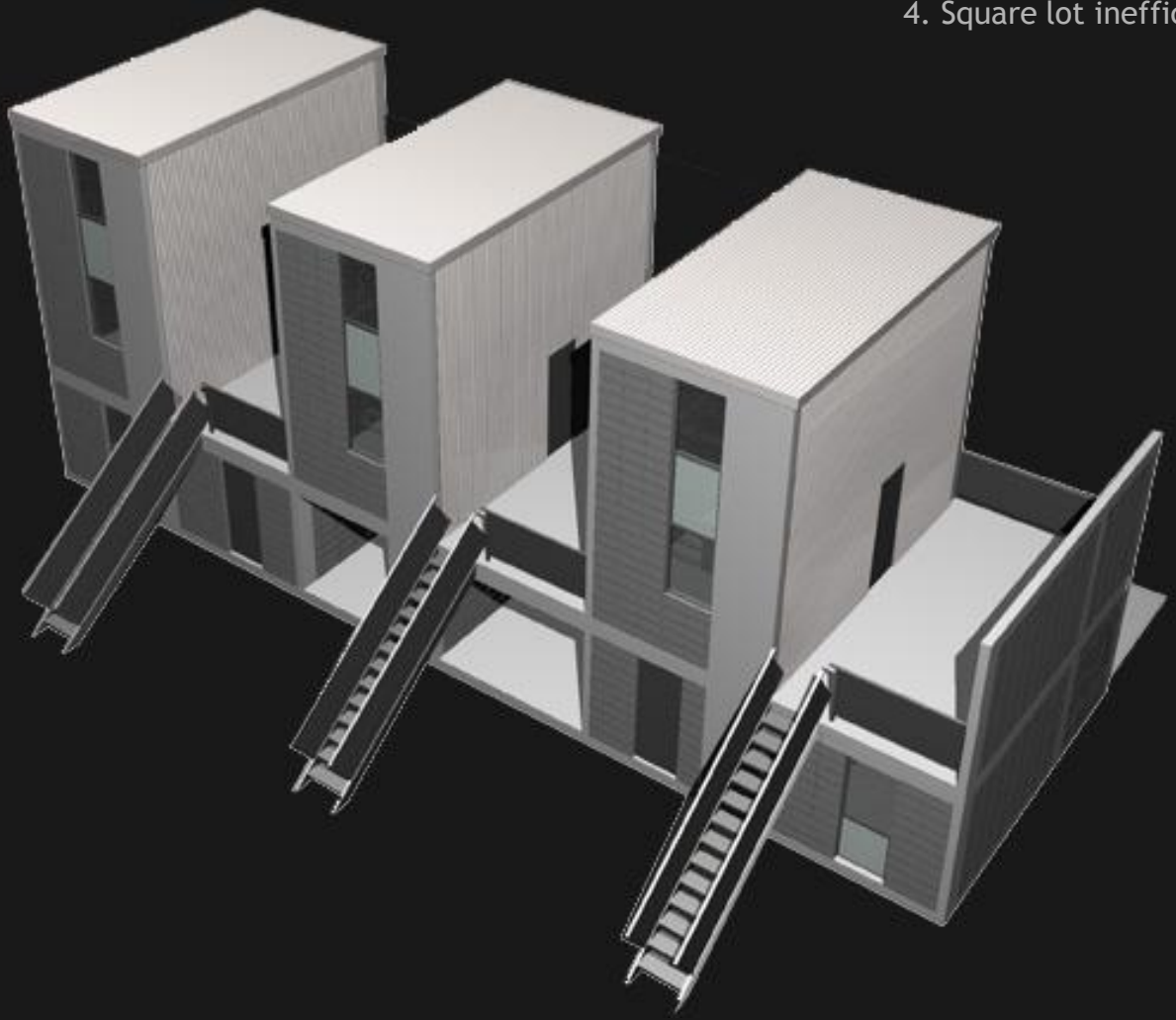
Santiago, Chile, 2005-2011



So, this *First-and-Last-floor-Building*, had a 6x6 meters House in a 9x9 meter Lot in the 1st. floor.

ELEMENTAL

1. Dry automatic unarticulated Boxes and Forms to counterbalance selfconstruction
2. Alternate voids avoid overdose of uncertain
3. Loos/Tzara windows to achieve scale
4. Square lot inefficient but flexible to rotate



So this is what we gave in the stage Zero

And this is how we expect it to be occupied, arriving up to 72 m^2 in the final stage, both the House and the Apartment .

ELEMENTAL

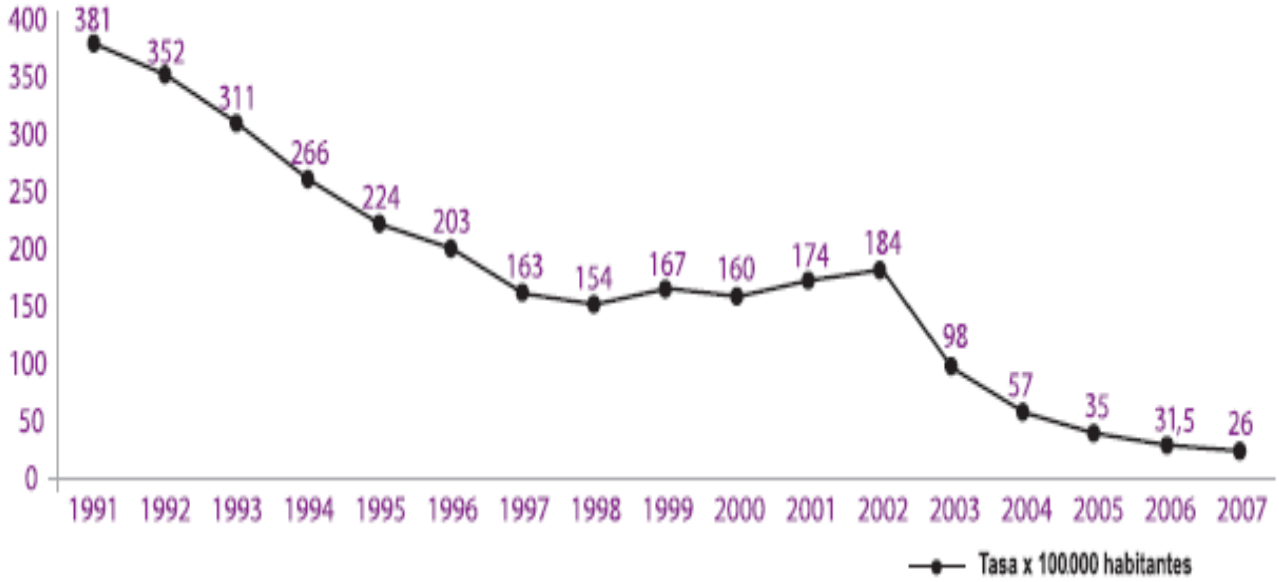

For the same money we did this,
in the same place where they have lived
for the last 30 years, paying 3 times more than
what social housing has ever paid for the land.
2005

ELEMENTAL

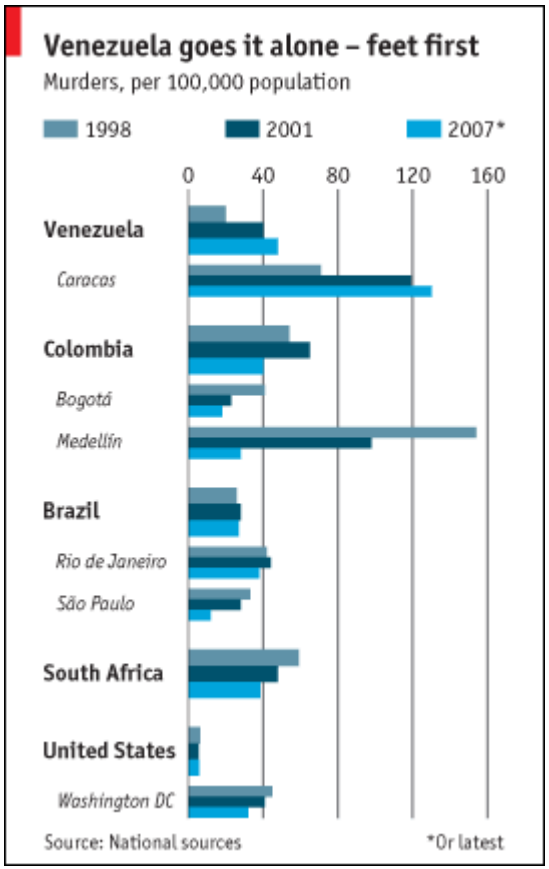
2006


Medellin, Colombia, 2007


San Library Park



Fuente: Secretaría de Gobierno.



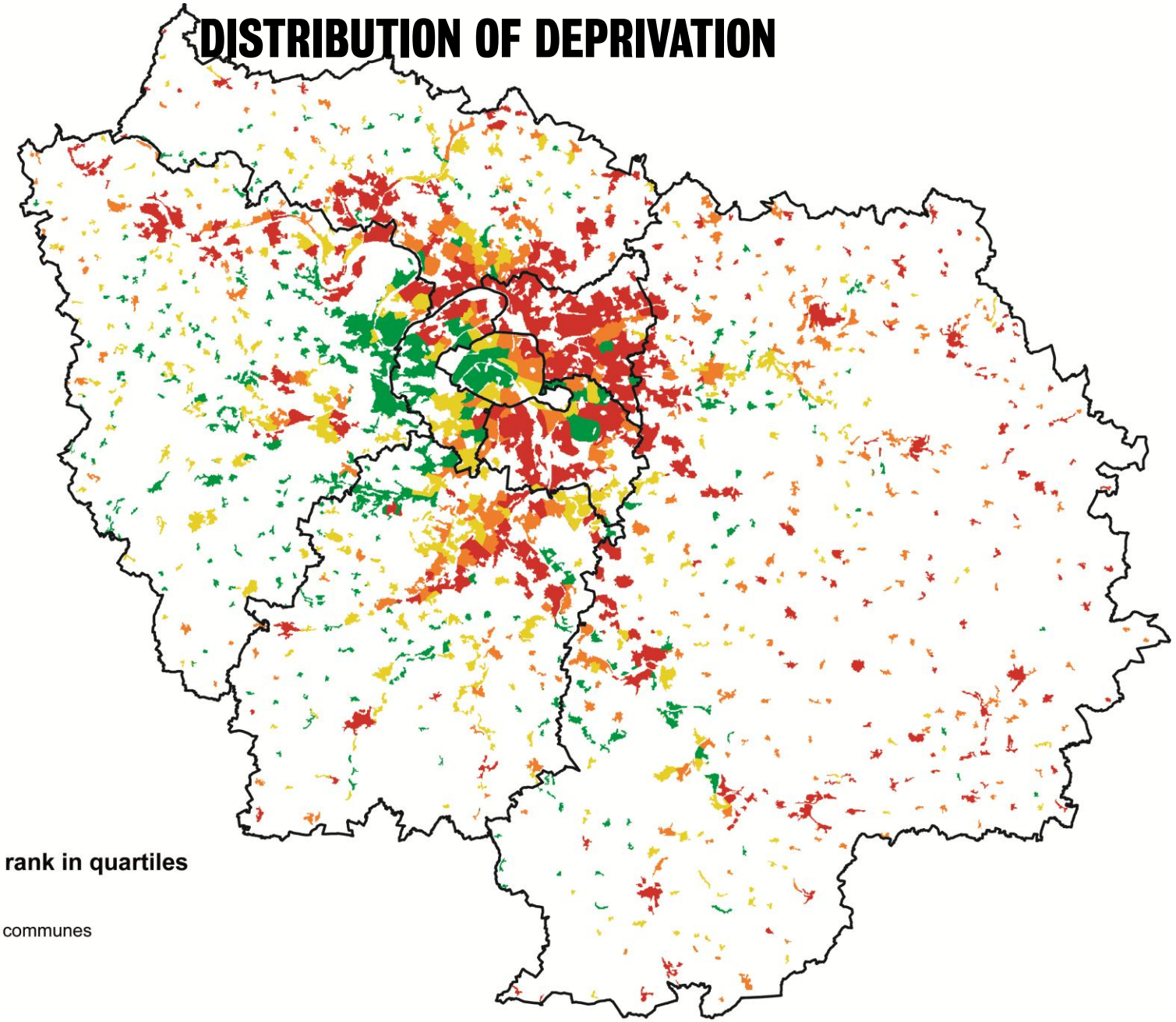
In 1991: Medellin was the most violent city in the world.

From 381 homicides per 100.000 habitants in 1991 to 26 in 2007.

Paris riots, 2005

Le cœur urbain traditionnel de la Ville de Paris présente beaucoup de caractéristiques spatiales du modèle de la ville compacte, promouvant une plus grande proximité entre le lieu de travail, le domicile et les espaces de loisir.

DISTRIBUTION OF DEPRIVATION



Index of deprivation rank in quartiles

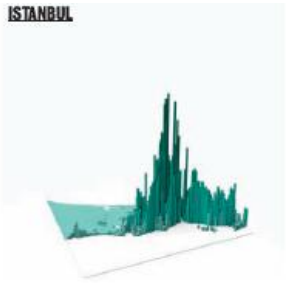
- 25 % - less deprived communes
- 25 %
- 25 %
- 25 % - most deprived communes

London riots, 2011

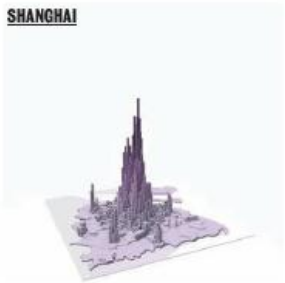
Hammerby, Stockholm, 1990-2010


MUMBAI


SÃO PAULO


ISTANBUL


NEW YORK CITY


SHANGHAI


LONDON


MEXICO CITY


JOHANNESBURG

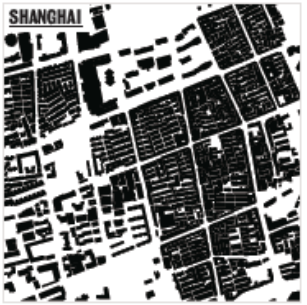

BERLIN


MUMBAI


SÃO PAULO


ISTANBUL


NEW YORK CITY


SHANGHAI


LONDON

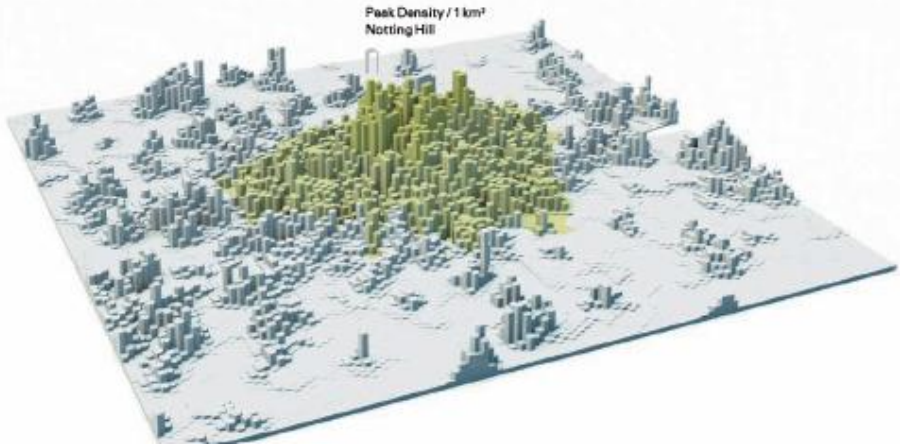

MEXICO CITY


JOHANNESBURG


BERLIN

LONDON – NOTTING HILL

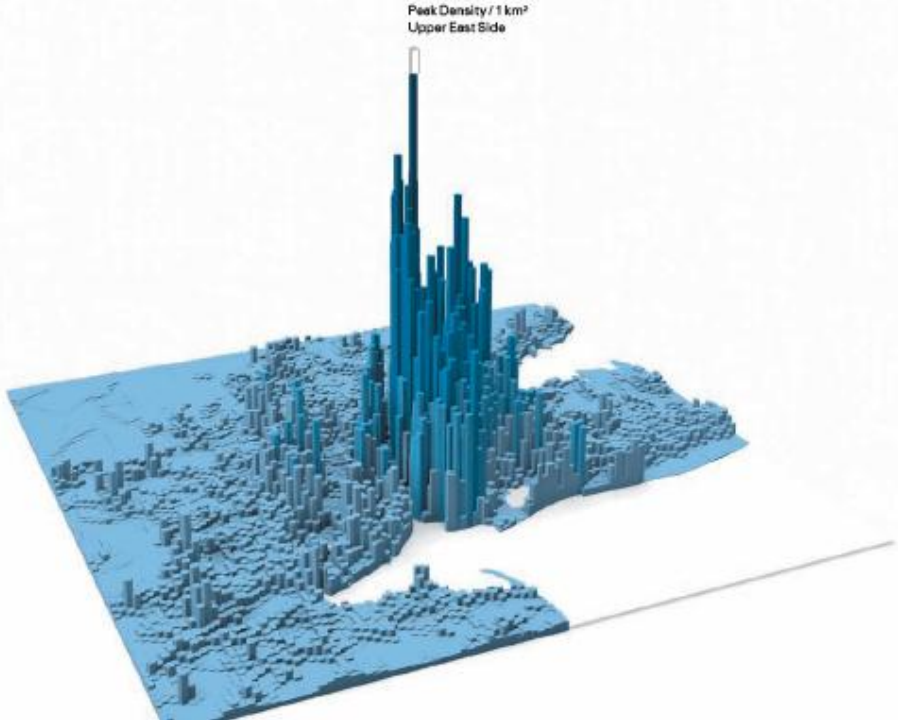
Peak Density 17,324 pp/km²
Average Density 4,497 pp/km²
Central Density 8,326 pp/km²

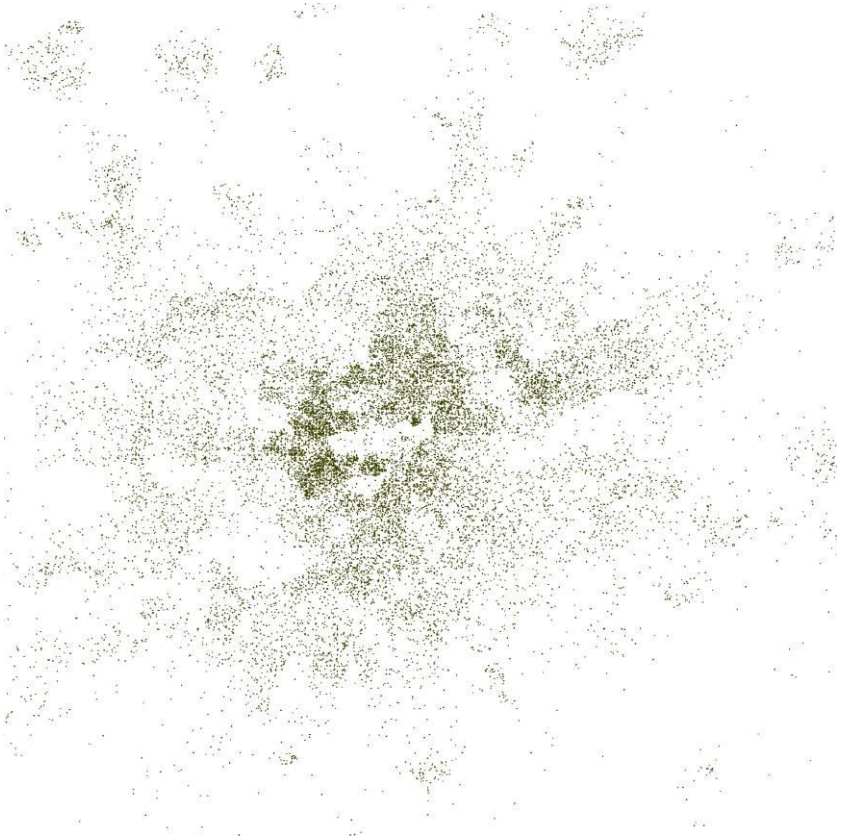


Peak Density / 1 km²
Notting Hill

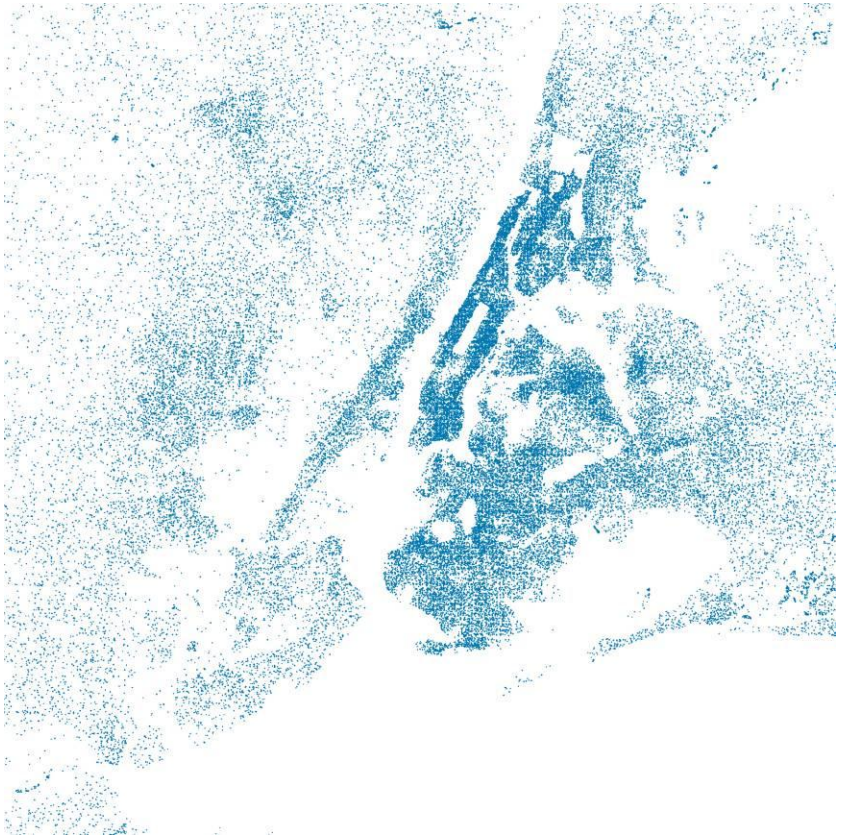
NEW YORK CITY – UPPER EAST SIDE

Peak Density 58,530 pp/km²
Average Density 9,272 pp/km²
Central Density 15,353 pp/km²

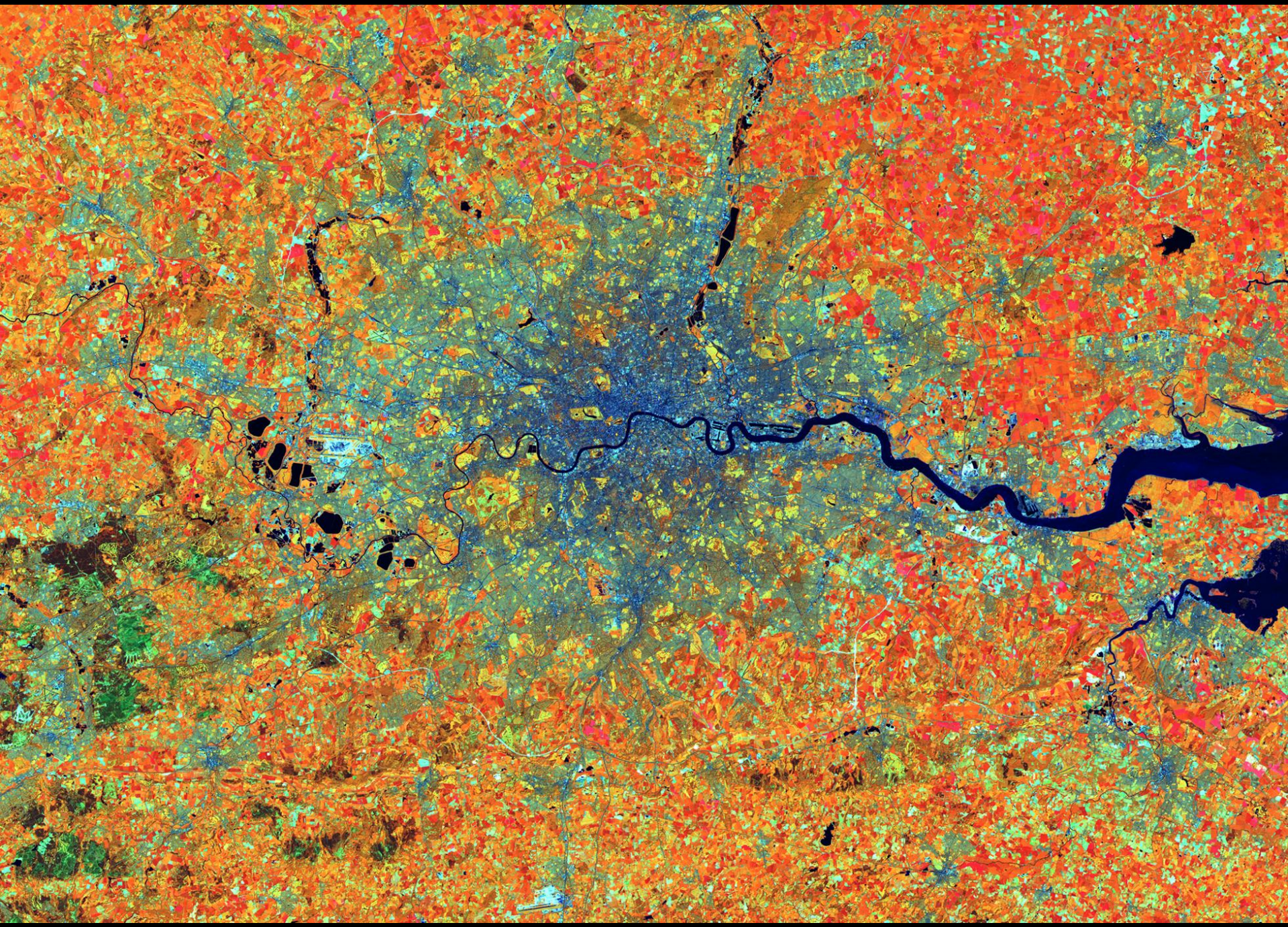




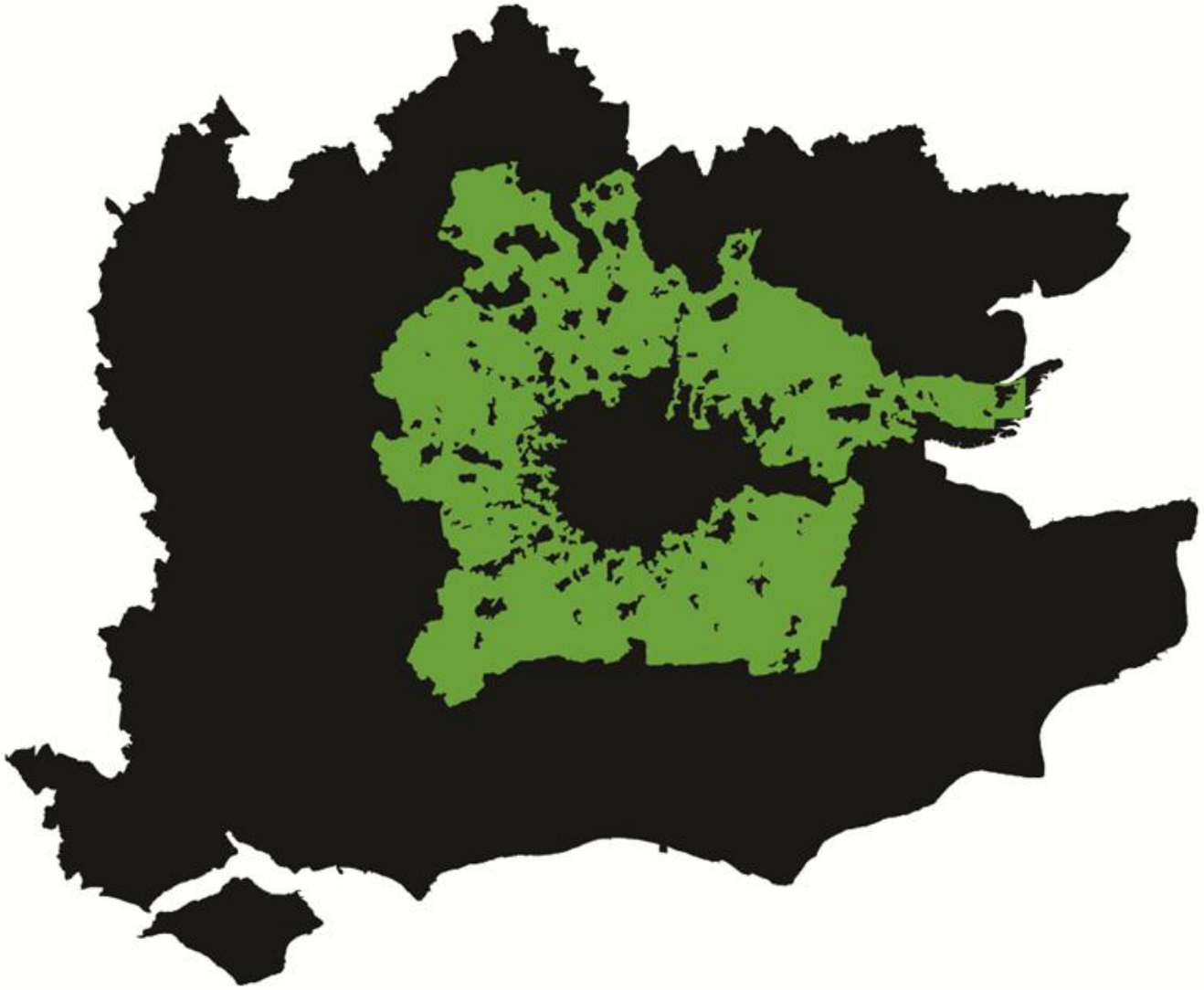
LONDON



NEW YORK

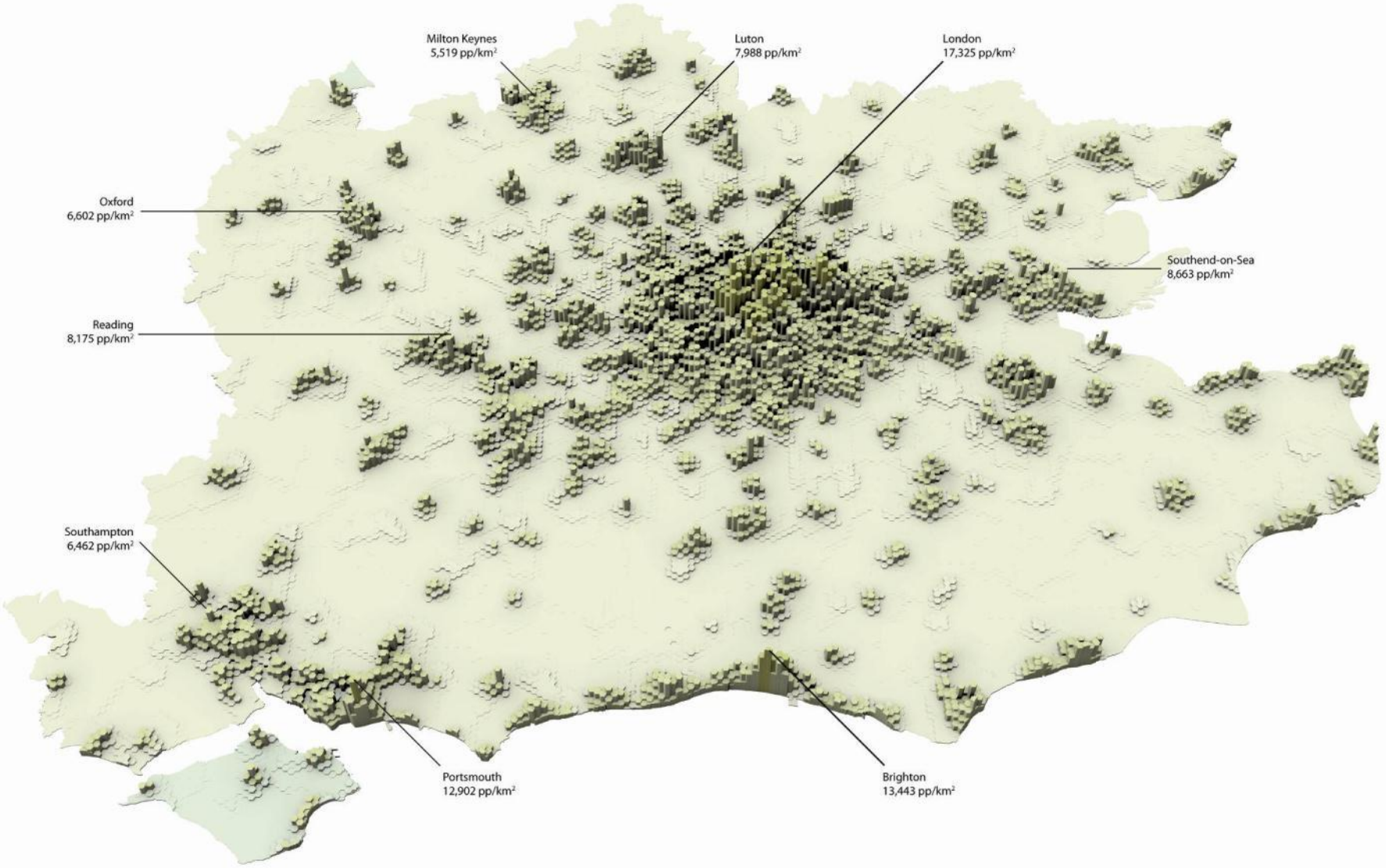


GREEN BELT



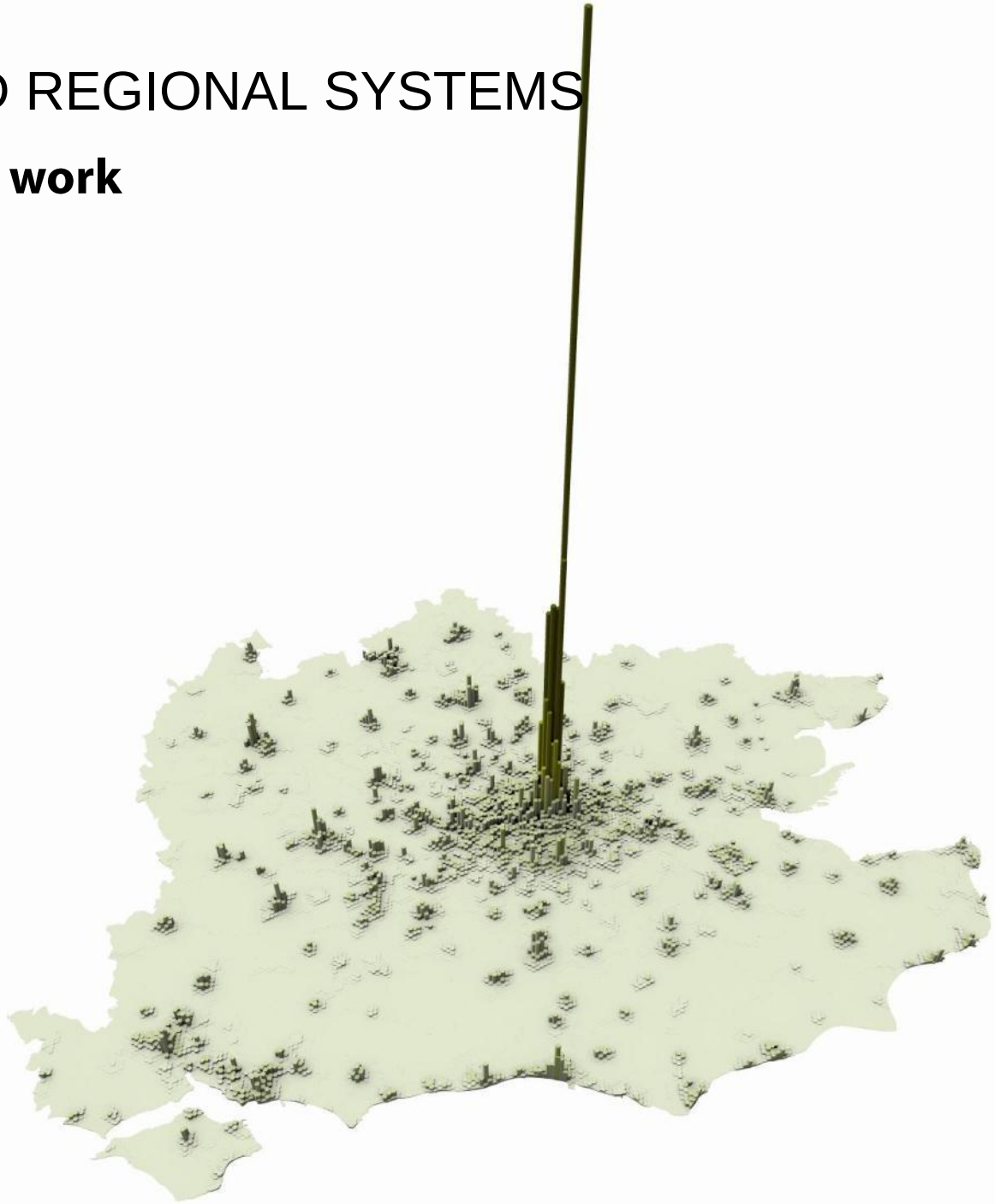
URBAN AND REGIONAL SYSTEMS

Where people live in South East England



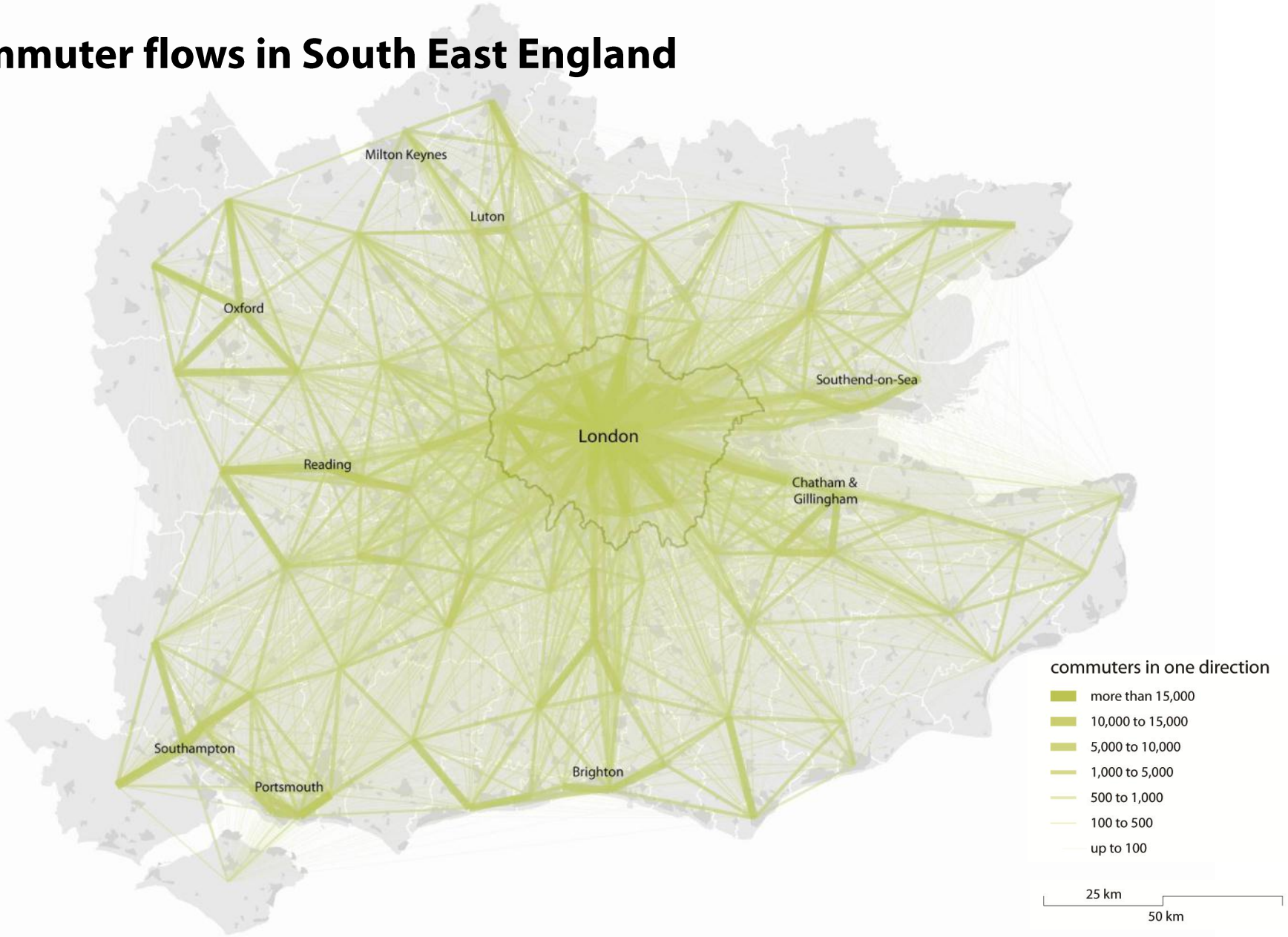
URBAN AND REGIONAL SYSTEMS

Where people work



URBAN AND REGIONAL SYSTEMS

Commuter flows in South East England



URBAN AND REGIONAL SYSTEMS

WHO OWNS LONDON

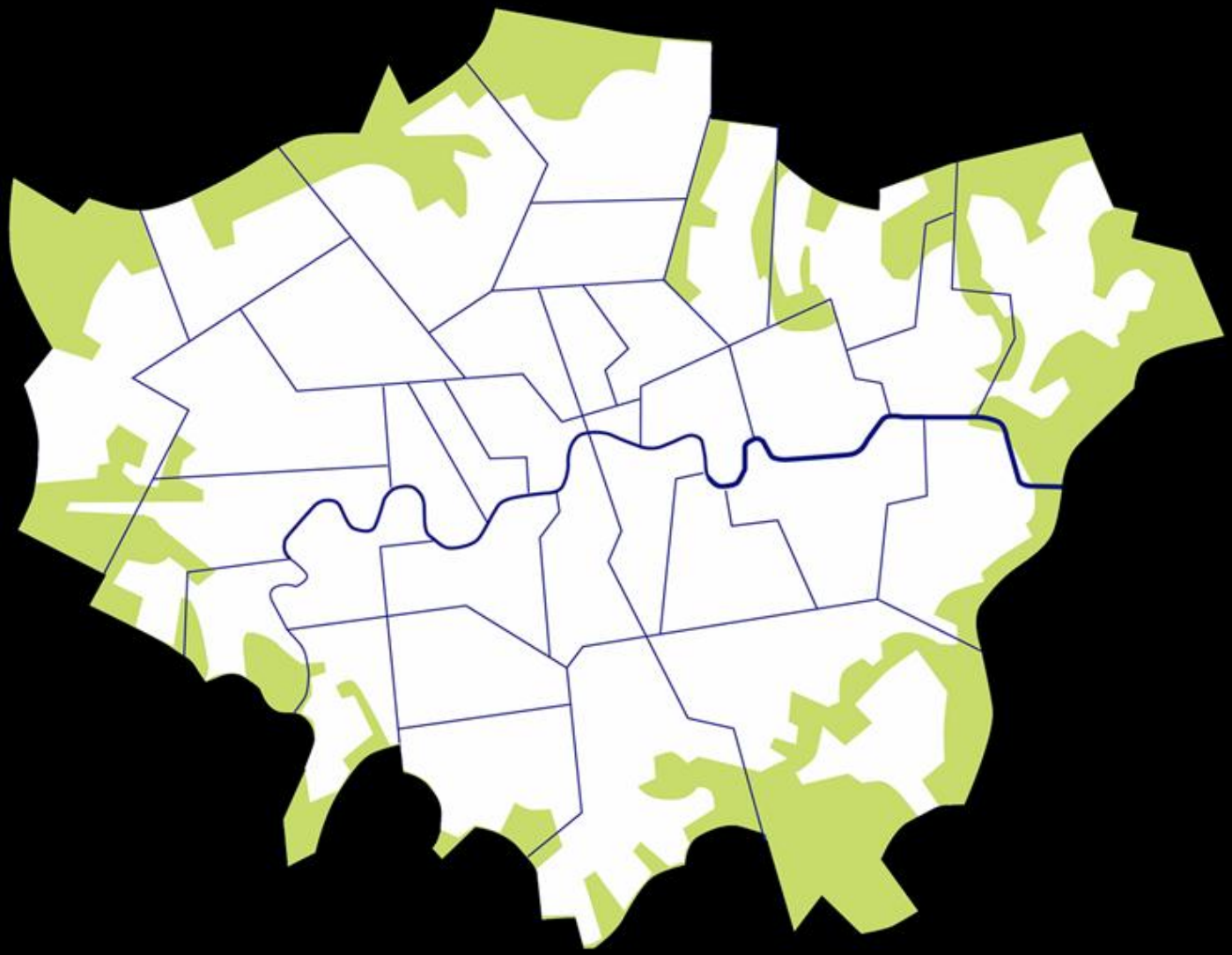
The map shows central London in the 19th century and how it was divided into different estates. The Cadogan, Grosvenor, Portman, Howard de Walden, Crown and City of London estates are shown coloured with the outline of the estates today superimposed.

Map by John Hewitt, taken from Francis Sheppard's London 1808-1870: The Infernal Wen, 1971

- The Cadogan Estate
- The City of London
- The Crown Estate
- The Grosvenor Estate
- The Howard de Walden Estate
- The Portman Estate

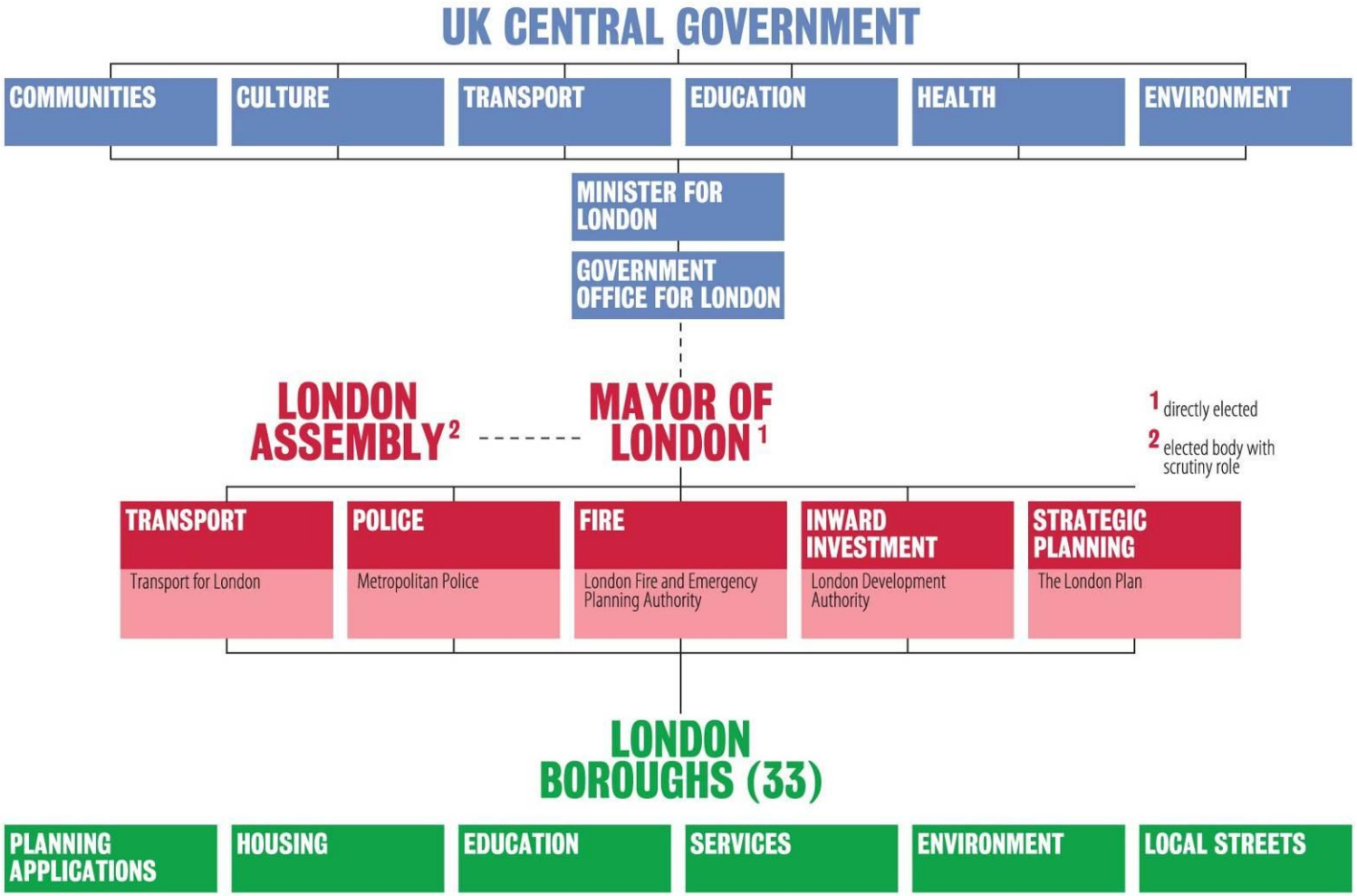
Solid colours - the estates today
Outline colours - 19th century estates

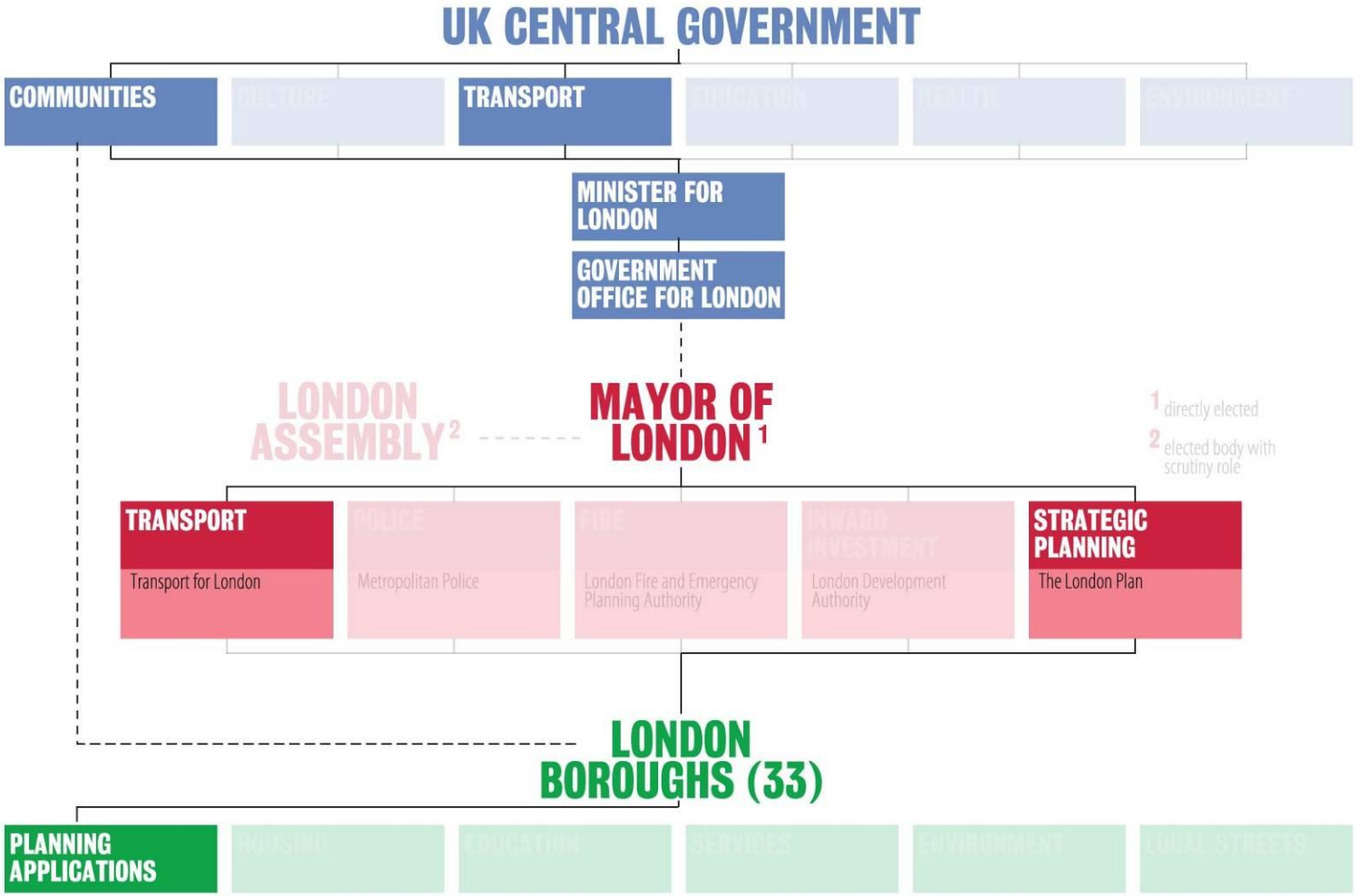
Executive mayor for Greater London since 2000
33 boroughs; increasing mayoral powers




"WE WANT THE MAXIMUM!"
Ken Livingston on White City, February 9th, 2005
Mayor Ken Livingston, the Local Authorities, the White City Partnership, OMA - AMO & Arup all share the same objective to achieve the maximum capacity on the site.
MAXIMIZE


I don’t!


UK CENTRAL GOVERNMENT
COMMUNITIES
CULTURE
TRANSPORT
EDUCATION
HEALTH
ENVIRONMENT
MINISTER FOR LONDON
GOVERNMENT OFFICE FOR LONDON
LONDON ASSEMBLY 2
MAYOR OF LONDON 1
1 directly elected
2 elected body with scrutiny role
TRANSPORT
Transport for London
POLICE
Metropolitan Police
FIRE
London Fire and Emergency Planning Authority
INWARD INVESTMENT
London Development Authority
STRATEGIC PLANNING
The London Plan
LONDON BOROUGHS (33)
PLANNING APPLICATIONS
HOUSING
EDUCATION
SERVICES
ENVIRONMENT
LOCAL STREETS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LONDON ASSEMBLY 2
MAYOR OF LONDON 1
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Transport for London
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LONDON BOROUGHS (33)
PLANNING APPLICATIONS
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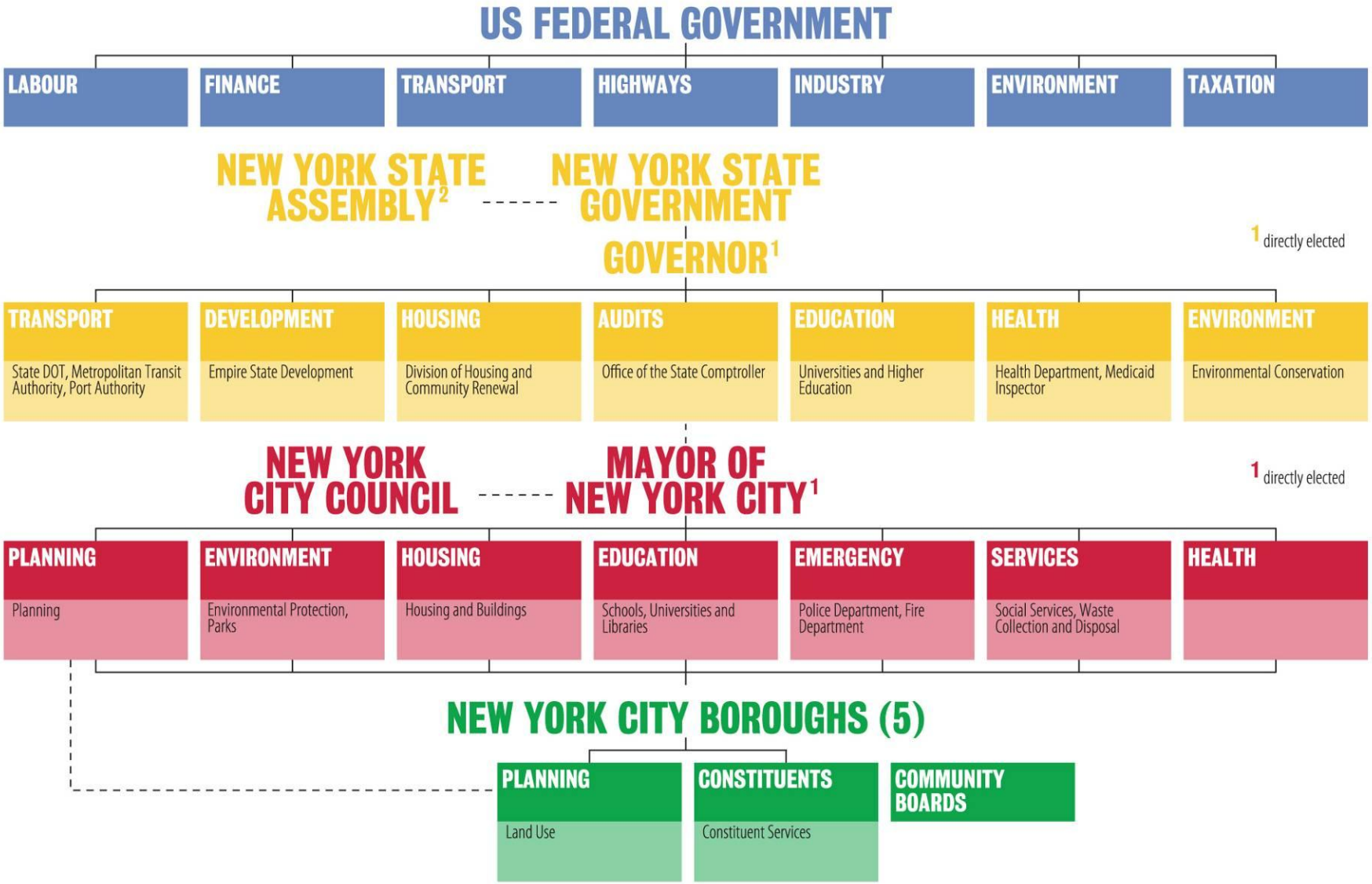
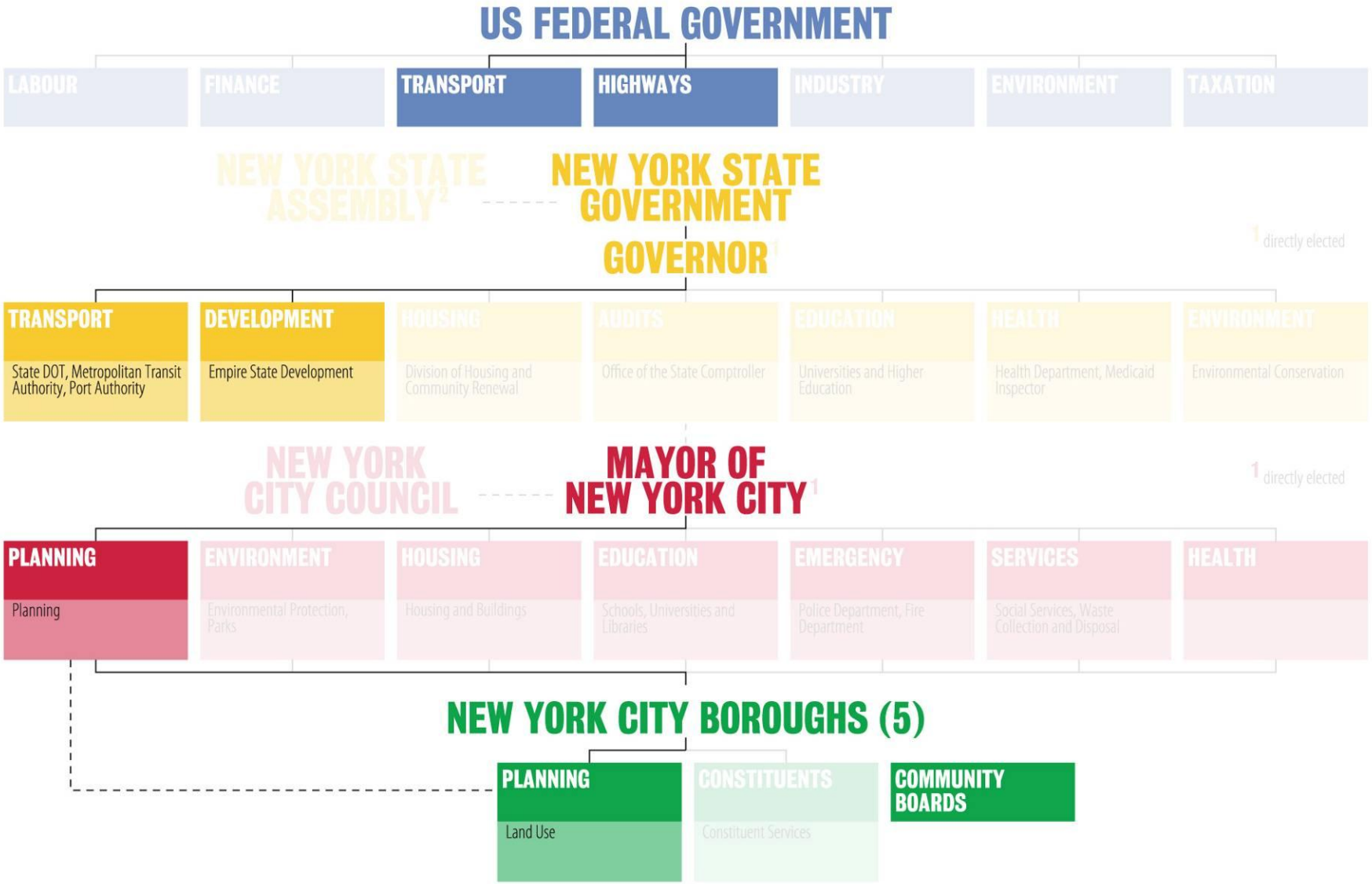
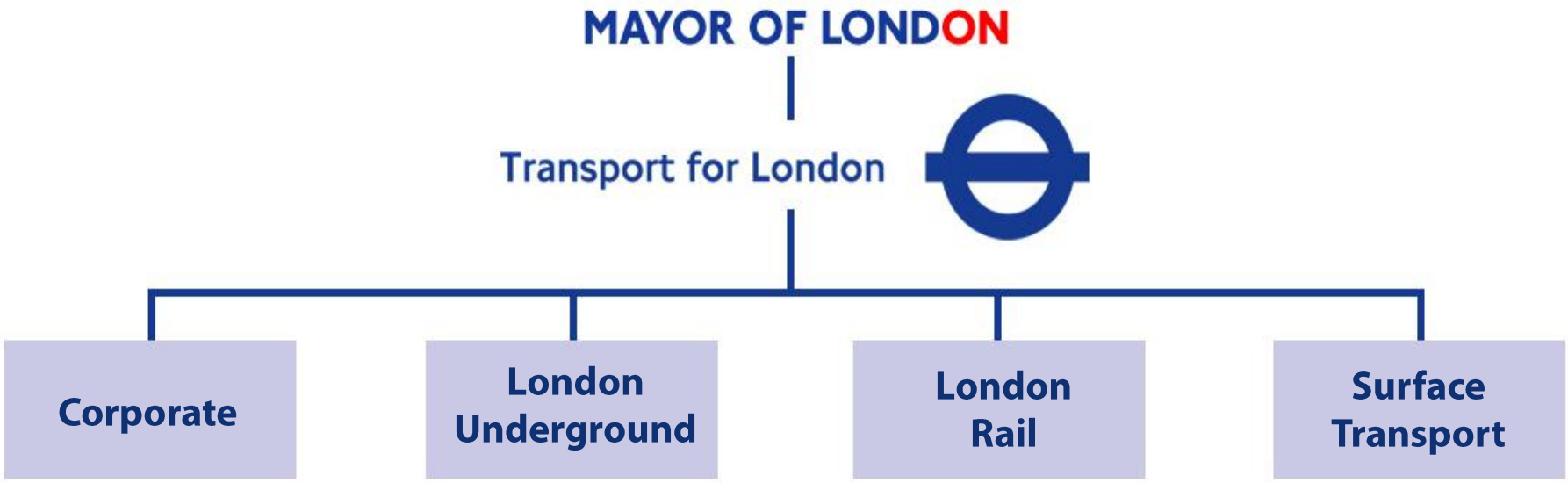
LOCAL STREETS

NEW YORK GOVERNANCE



NEW YORK – TRANSPORT AND PLANNING



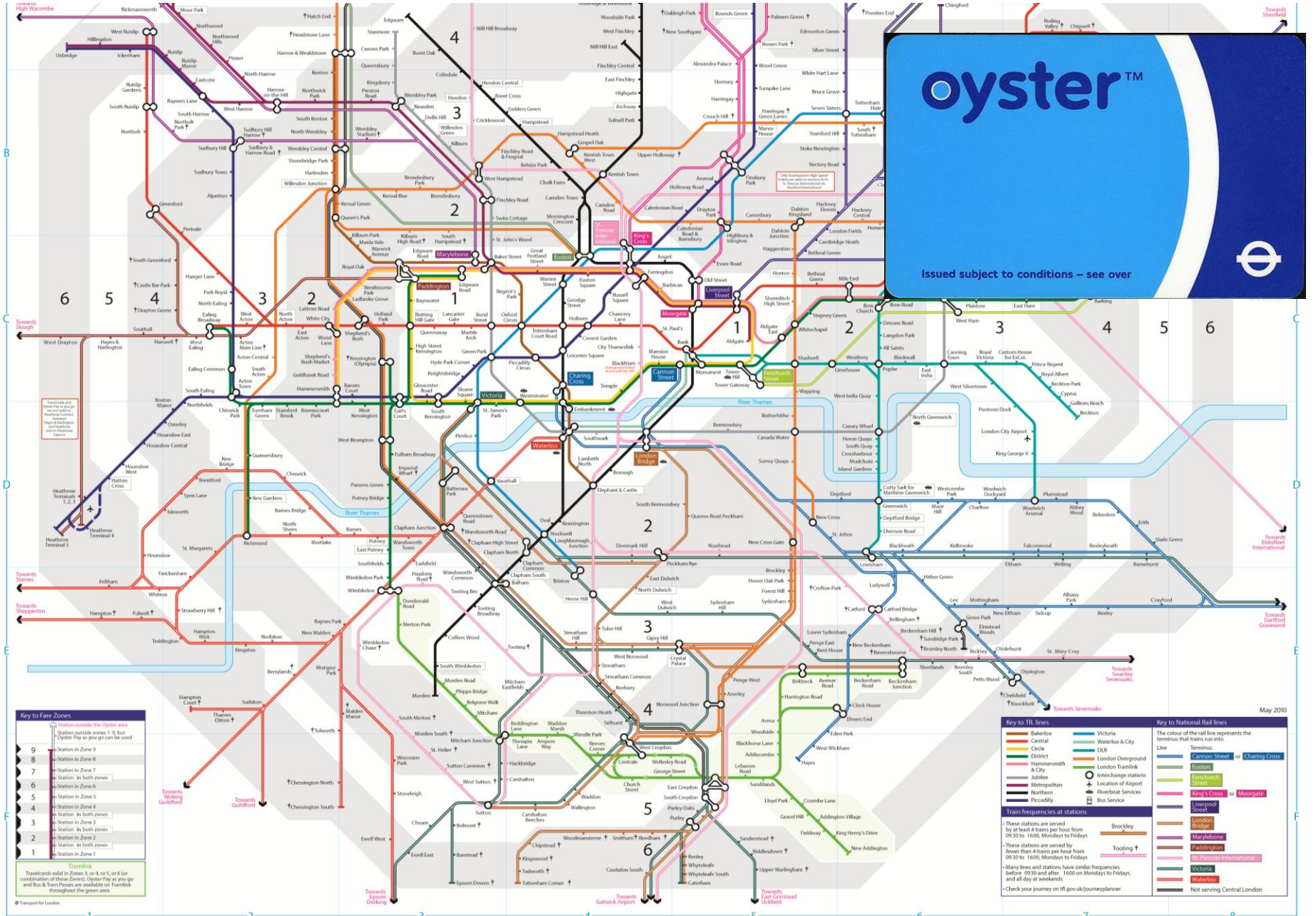


- Legal
- Fares & Ticketing
- Finance
- Planning
- Communications
- Travel Demand Management

- London Overground
- Docklands Light Railway

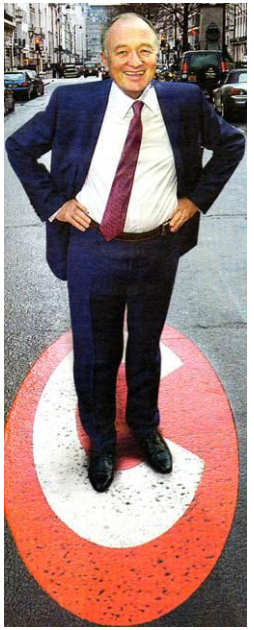
- Buses
- Taxis
- River Services
- Dial-a-ride
- Main Roads
- Congestion Charging
- Walking
- Cycling
- Trams

LONDON


oyster™
Issued subject to conditions – see over
Key to Fare Zones
Station outside the Oyster area
Station outside zones 1-9, but Oyster Pay as you go can be used
Station in Zone 9
Station in Zone 8
Station in Zone 7
Station in both zones
Station in Zone 6
Station in Zone 5
Station in Zone 4
Station in both zones
Station in Zone 3
Station in both zones
Station in Zone 2
Station in both zones
Station in Zone 1
Tramlink
Travelcards valid in Zones 3, or 4, or 5, or 6 (or combination of these Zones), Oyster Pay as you go and Bus & Tram Passes are available on Tramlink throughout the green area
© Transport for London
May 2010
Key to TfL lines
Bakerloo
Central
Circle
District
Hammersmith & City
Jubilee
Metropolitan
Northern
Piccadilly
Victoria
Waterloo & City
DLR
London Overground
London Tramlink
Interchange stations
Location of Airport
Riverboat Services
Bus Service
Key to National Rail lines
The colour of the rail line represents the terminus that trains run into
Line
Terminus
Cannon Street or Charing Cross
Euston
Fenchurch Street
King's Cross or Moorgate
Liverpool Street
London Bridge
Marylebone
Paddington
St. Pancras International
Victoria
Waterloo
Not serving Central London
Train frequencies at stations
These stations are served by at least 4 trains per hour from 09:30 to 16:00, Mondays to Fridays
Brockley
These stations are served by fewer than 4 trains per hour from 09:30 to 16:00, Mondays to Fridays
Tooting
Many lines and stations have similar frequencies before 09:30 and after 16:00 on Mondays to Fridays, and all day at weekends
Check your journey on tfl.gov.uk/journeyplanner

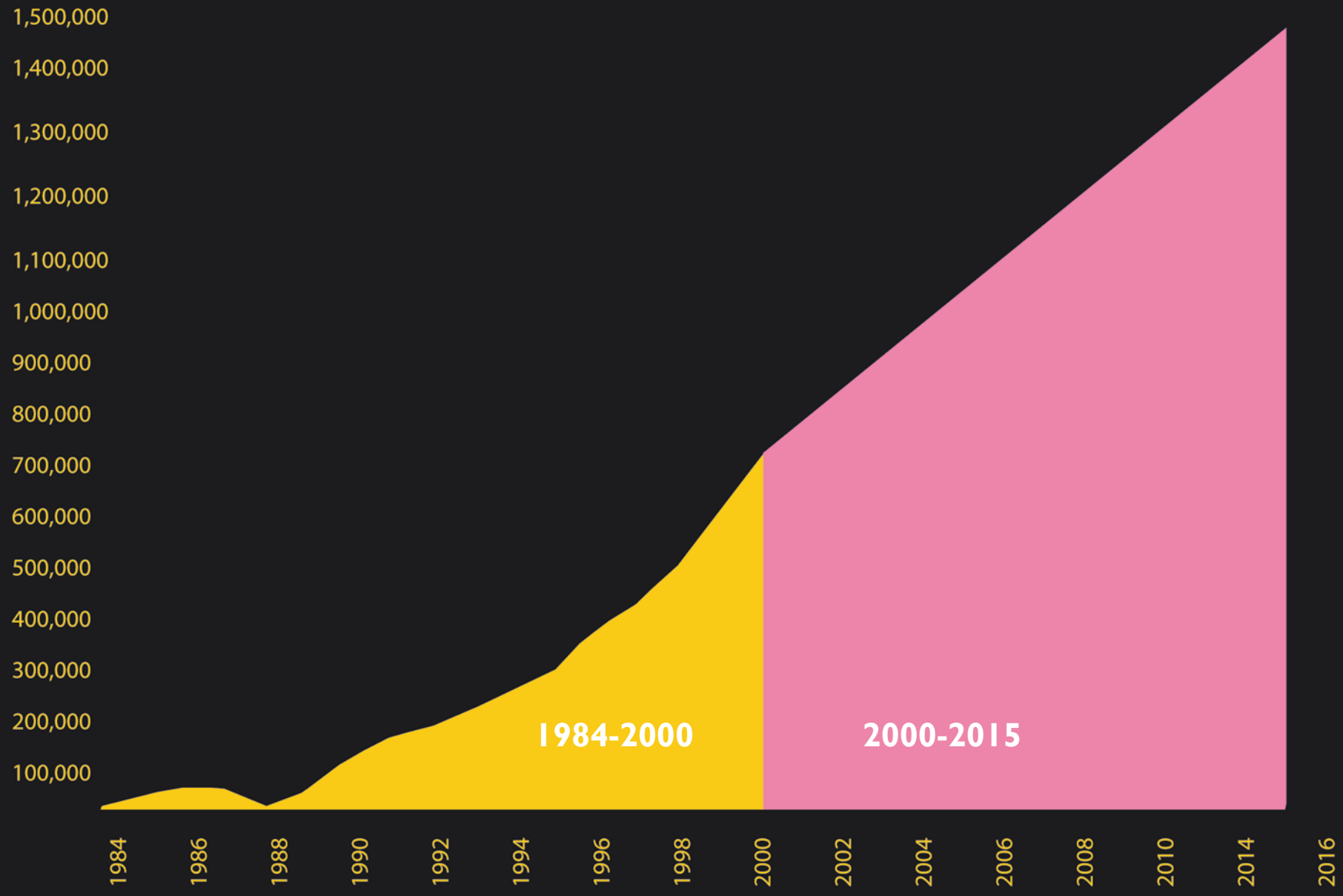

Transport for London
Congestion charging
Central ZONE
Mon - Fri
7 am - 6 pm


North-West zone
Pages 26-27
North-East zone
Pages 28-29
South-West zone
Pages 30-31
South-East zone
Pages 32-33
Mornington Cresent
KING'S CROSS
CAMDEN TOWN
King's Cross
Regent's Park
Euston Square
Euston
Regent's Park
Baker Street
Marylebone
Russell Square
Guilford St
Gower St
BLOOMSBURY
Warren Street
Goodge Street
Cavendish St
Gt Portland St
Baker St
Wigmore St
Oxford St
Tottenham Court Road
Oxford Circus
Marble Arch
Bond Street
New Bond St
Regent St
SOHO
Shaftesbury Av
Covent Garden
Leicester Square
Piccadilly Circus
MAYFAIR
Hyde Park
Green Park
Piccadilly
Green Park
Pall Mall
ST JAMES'S
Whitehall
Victoria
Charing Cross
Embankment
Hyde Park Corner
St James's Park
Knightsbridge
Birdcage Walk
Westminster
Westminster Bridge
St. James's Park
KNIGHTSBRIDGE
WESTMINSTER
Victoria
BELGRAVIA
South Kensington
BROMPTON
Sloane Square
PIMLICO
Pimlico
Millbank
Vauxhall Bridge
Albert Embankment
Vauxhall
Lambeth Bridge
Lambeth Rd
KENNINGTON
Kennington
Walworth Rd
WALWORTH
Old Kent Rd
Elephant & Castle
NEWINGTON
Lambeth North
LAMBETH
Borough
Long La
Druid St
BERMONDSEY
London Bridge
Tooley St
Tower Bridge
Southwark
Union St
The Cut
Waterloo
SOUTHWARK
THE BOROUGH
Southwark St
Stamford St
Blackfriars Bridge
Southwark Bridge
London Bridge
Tower Bridge
Temple
Strand
Waterloo Bridge
Embankment
Holborn
Kingsway
HOLBORN
Gray's Inn Rd
Roseberry Av
Lever St
Goswell Rd
Clerkenwell Rd
CLERKENWELL
Farringdon
Chancery Lane
Farringdon St
Barbican
BARBICAN
Moorgate
London Wall
St Paul's
CITY
Blackfriars
Mansion House
Bank
Cannon Street
Monument
Tower Hill
Aldgate
Aldgate East
Liverpool Street
Bishopsgate
City Rd
Old St
Old Street
HACKNEY
SHOREDITCH
Angel




242
ARRIVA
BARCLAYS
CYCLE HIRE
CAUTION

Cumulative population growth in London

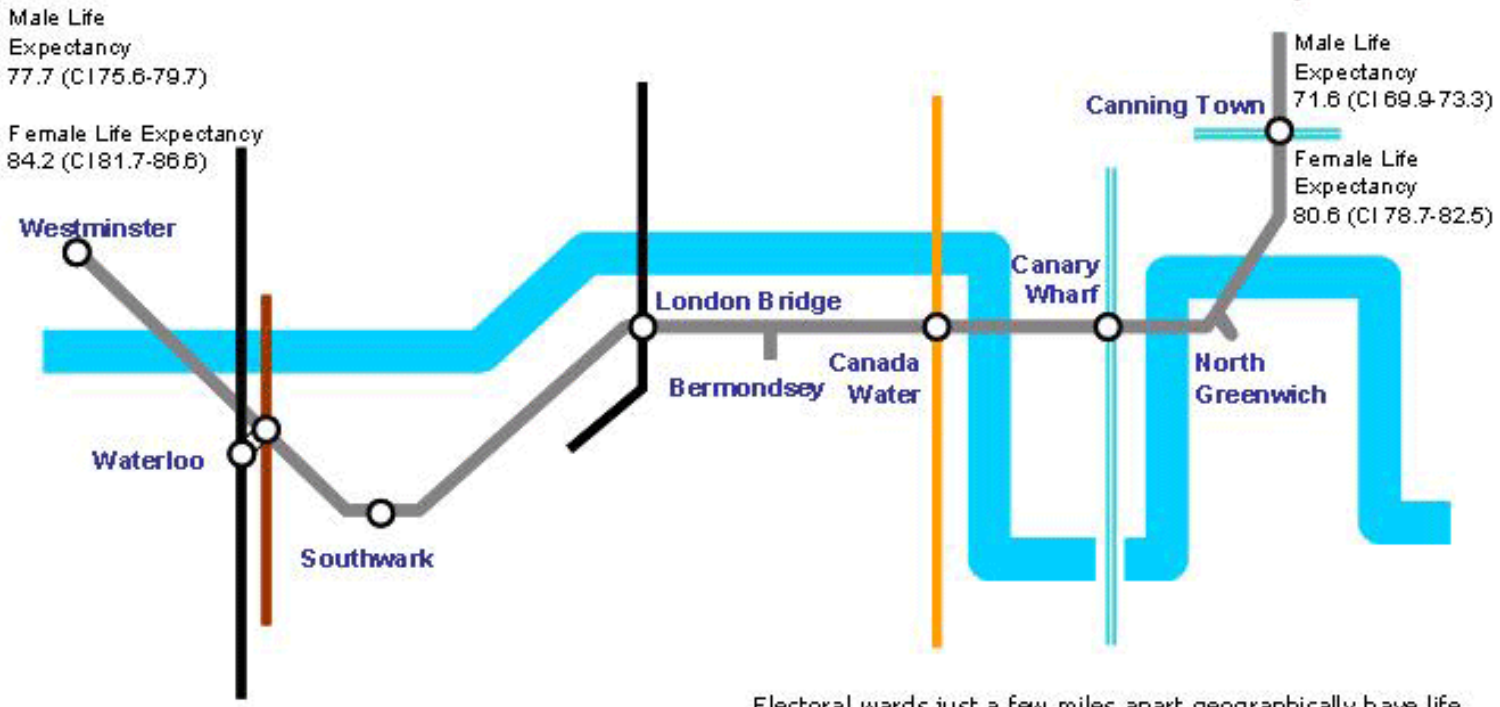


DISTRIBUTION OF DEPRIVATION

Health Inequalities in London

Differences in Life Expectancy within a small area in London

Travelling east from Westminster, each tube stop represents nearly one year of life expectancy lost



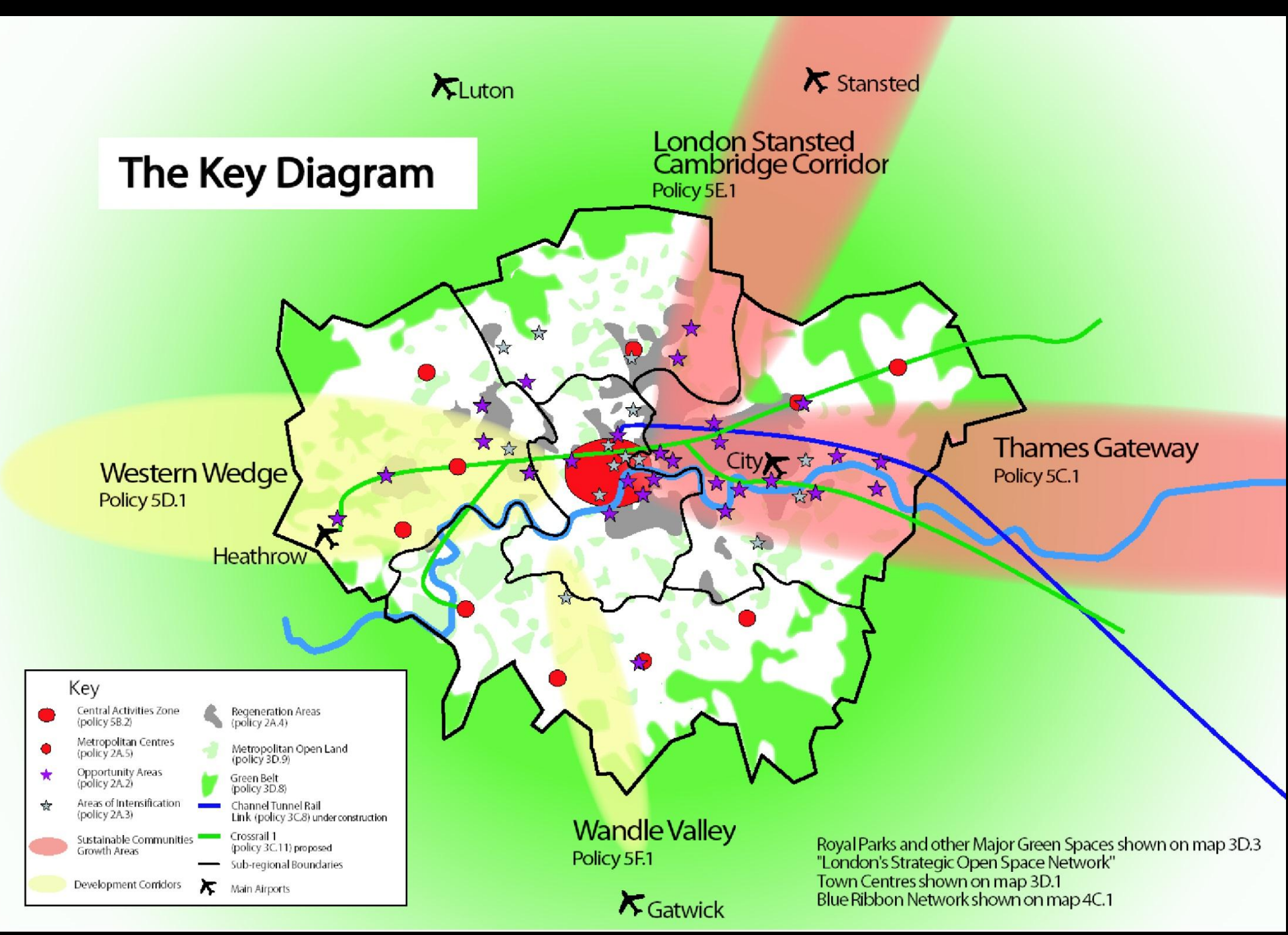
Electoral wards just a few miles apart geographically have life expectancy spans varying by years. For instance, there are eight stops between Westminster and Canning Town on the Jubilee Line – so as one travels east, each stop, on average, marks nearly a year of shortened lifespan. [1]

[1] Source: Analysis by London Health Observatory using Office for National Statistics data. Diagram produced by Department of Health

DESIGN FOR LONDON

CABE

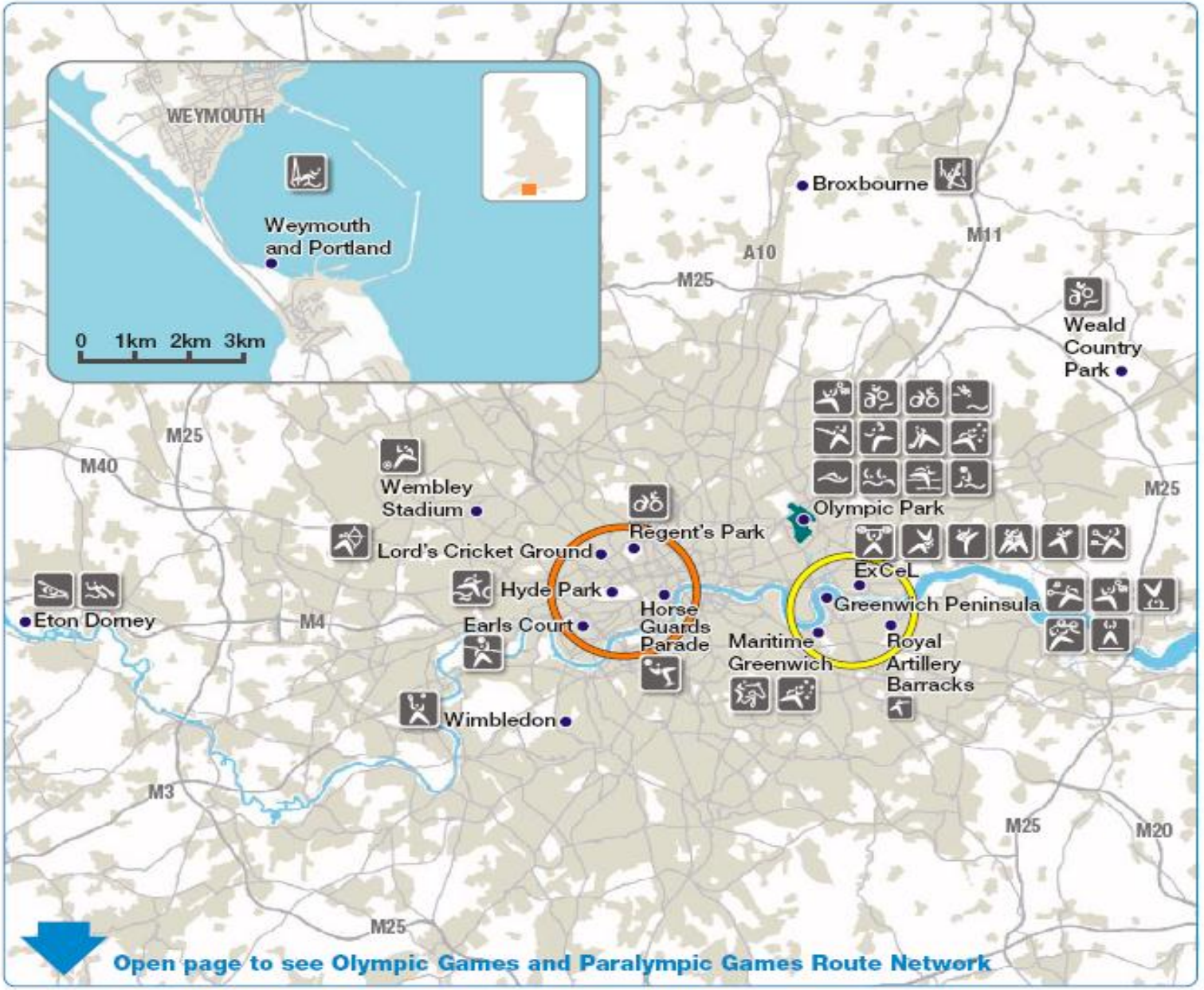
Mayor’s 100 Public spaces: Trafalgar Square, Gillett Square, Acton Town Square, 2000-2008


The Key Diagram
Luton
Stansted
London Stansted
Cambridge Corridor
Policy 5E.1
Western Wedge
Policy 5D.1
Heathrow
City
Thames Gateway
Policy 5C.1
Wandle Valley
Policy 5F.1
Gatwick
Key
Central Activities Zone (policy 5B.2)
Metropolitan Centres (policy 2A.5)
Opportunity Areas (policy 2A.2)
Areas of Intensification (policy 2A.3)
Sustainable Communities Growth Areas
Development Corridors
Regeneration Areas (policy 2A.4)
Metropolitan Open Land (policy 3D.9)
Green Belt (policy 3D.8)
Channel Tunnel Rail Link (policy 3C.8) under construction
Crossrail 1 (policy 3C.11) proposed
Sub-regional Boundaries
Main Airports
Royal Parks and other Major Green Spaces shown on map 3D.3
"London's Strategic Open Space Network"
Town Centres shown on map 3D.1
Blue Ribbon Network shown on map 4C.1


Stansted
Stratford
Heathrow
City Airport
Ebbsfleet
Ashford
Gatwick
Dover

July 2005 = £9.3 billion ($15 billion)

Olympic Games Venues

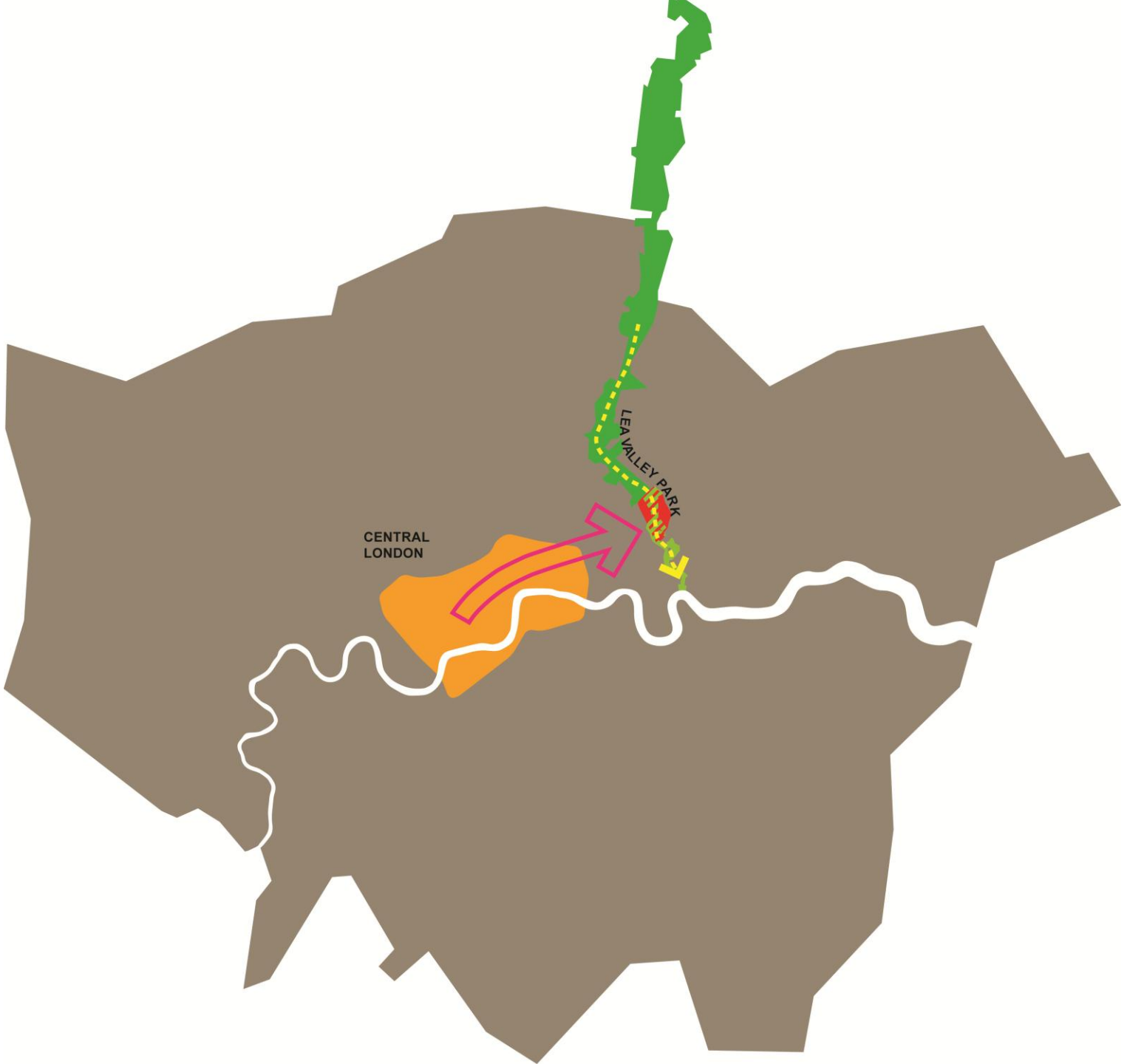


- Olympic Park
- Competition Venue
- River Zone Venues
- Central Zone Venues

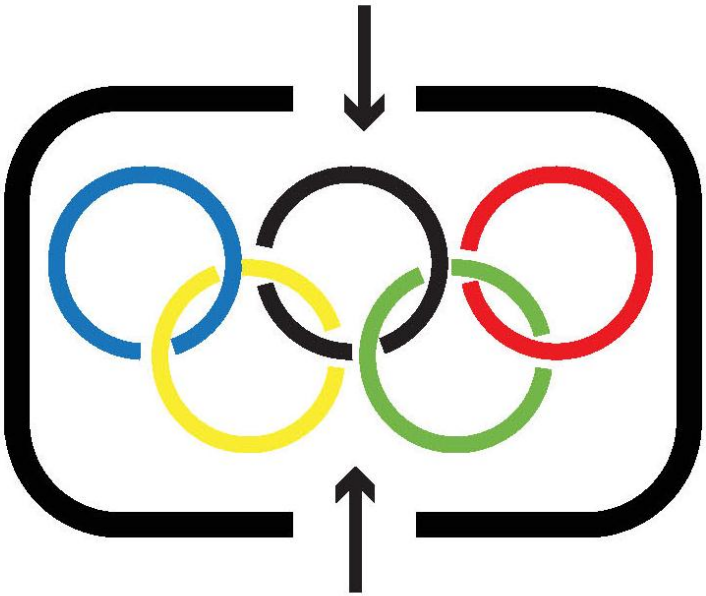
The key to the sports icons is featured on the inside back cover

N

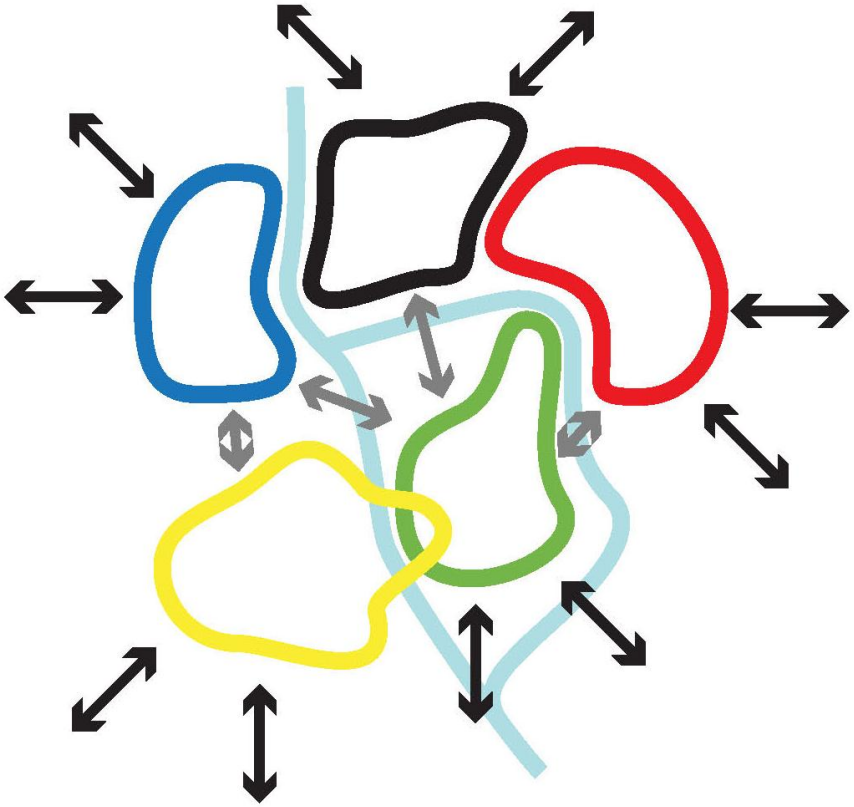
0 5km 10km


LEA VALLEY PARK
CENTRAL
LONDON

Olympics v. Legacy Planning



Olympics: controlled event



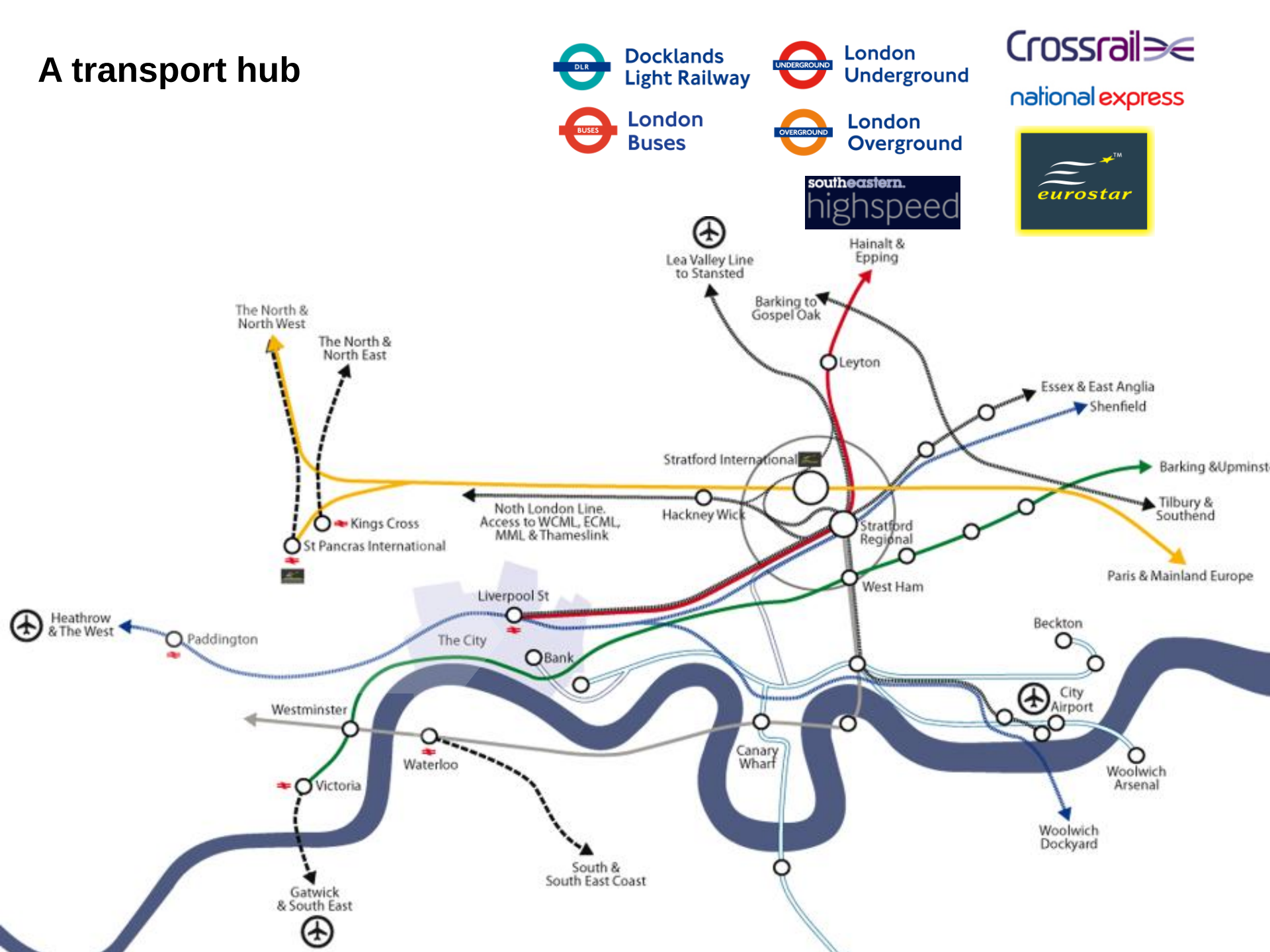
Legacy: open city

Nature in the city:

a connected park system in the Lower Lea Valley

The River Lea and the Lea Navigation

A transport hub



Distinctive neighbouring communities

Roman Road

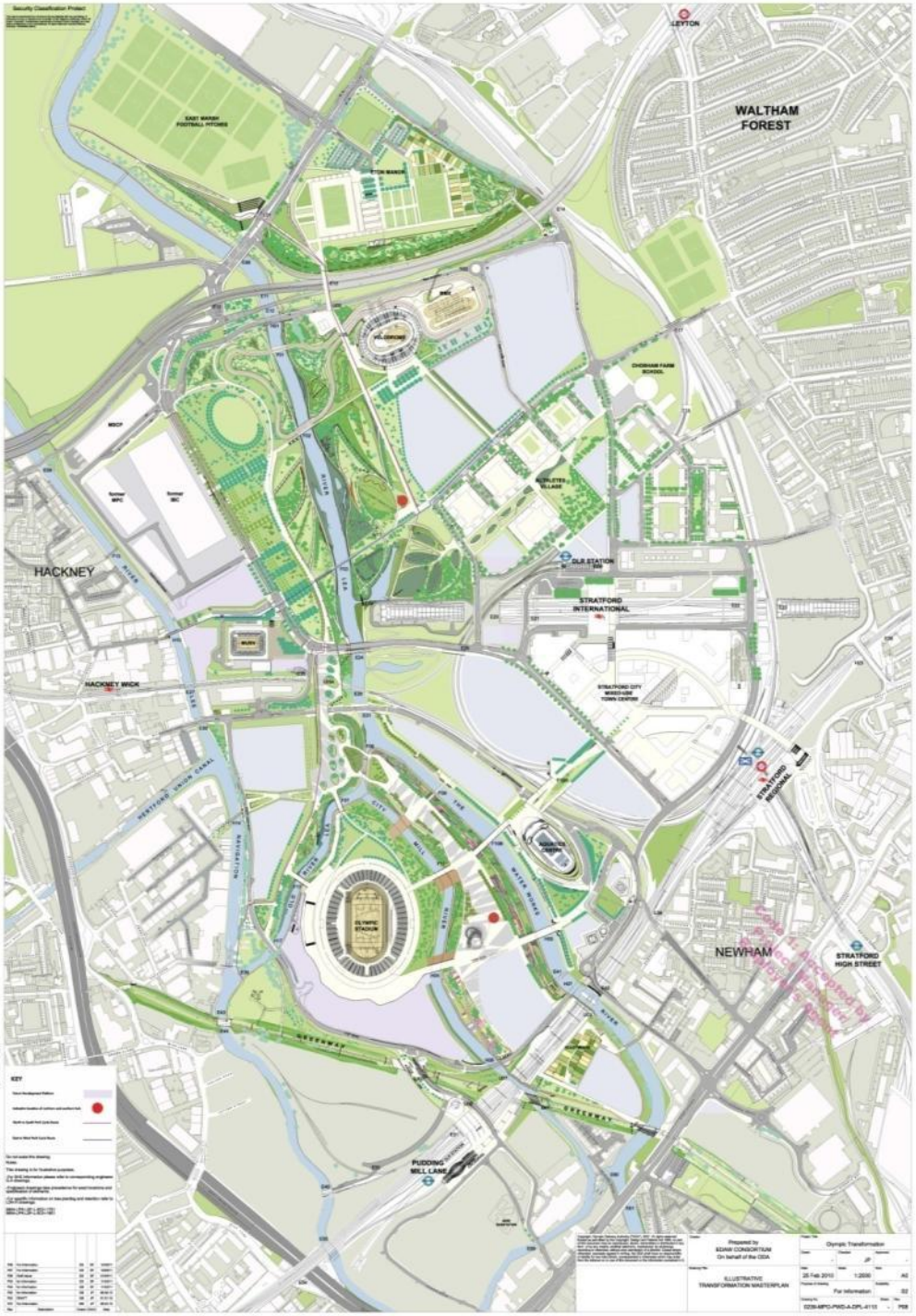
The Olympic inheritance:

venues and parkland

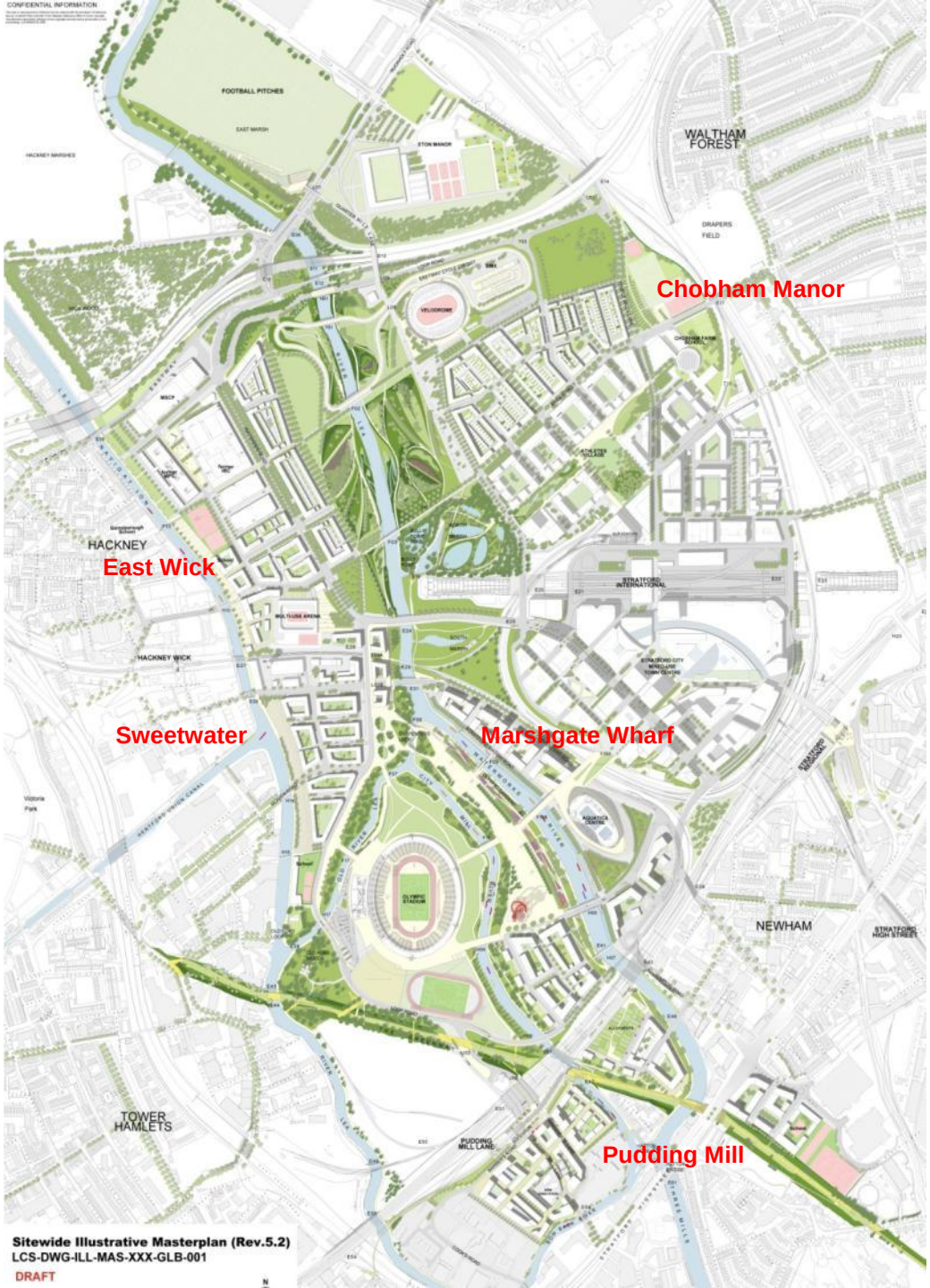
The Olympic inheritance:

a sporting legacy

Illustrative Games Time Plan



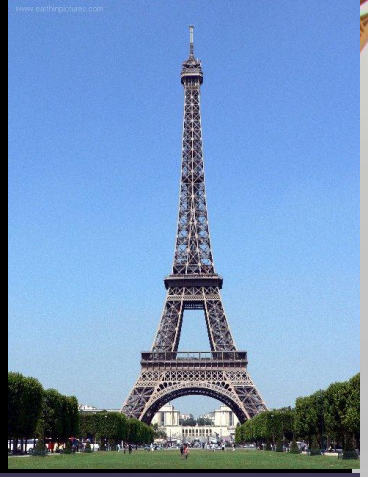
Post-Games Plan

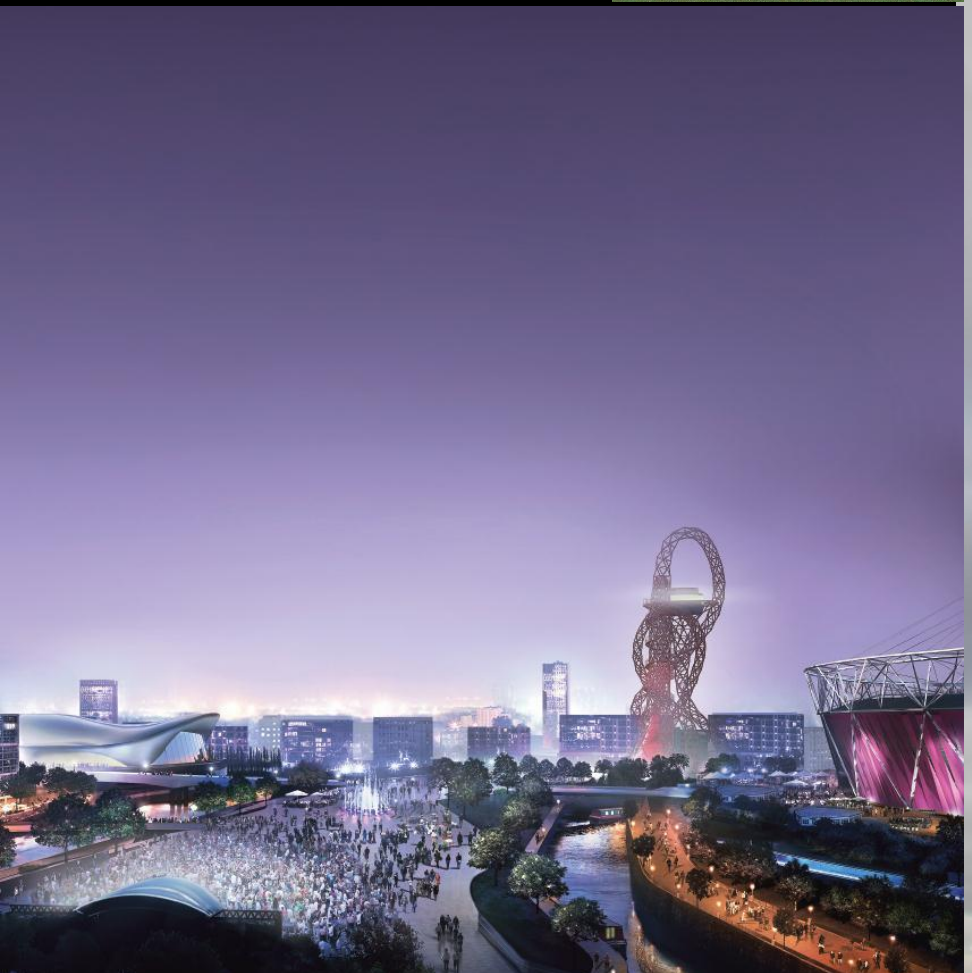


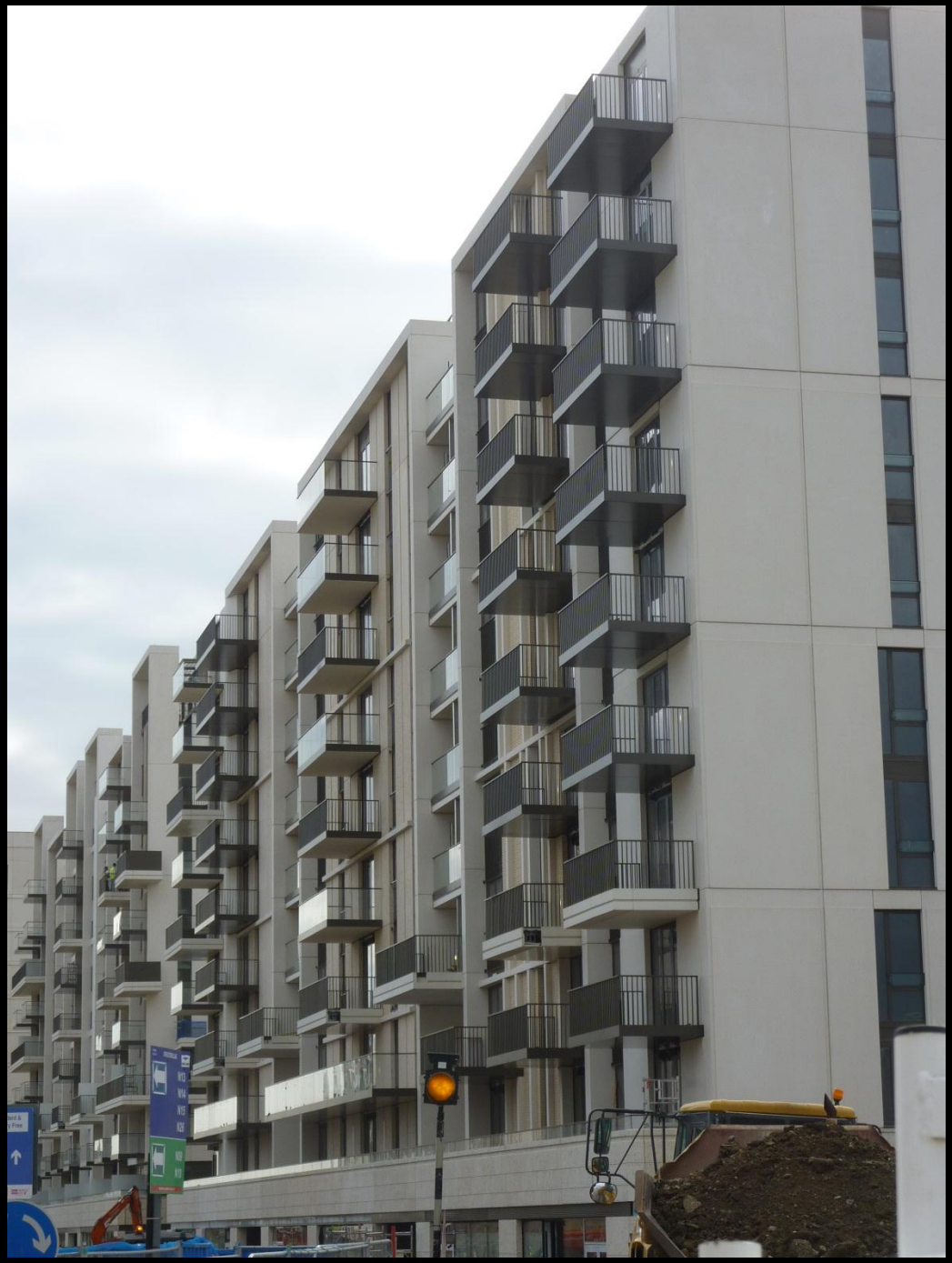
Illustrative Legacy Masterplan

The Park's new communities will be fully integrated into London's rich tapestry of neighbourhoods

North Park








NEW OFFICES TO LET


SPIRIT OF
STRATFORD
CLICK HERE
TO REGISTER


On your Marks
Stratford City opens 13.


Westfield
STRATFORD CITY


FORD CITY
STRATFORD CITY
Westfield
STRATFORD CITY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1.9 MILLION SQ F
John Lewis, Waitrose, Marks & Spencer, Vue Cinema
RETAI
AND LEISURE
Welcome to the next generation
Gateway to London's Olympic Park
DESTINATION

Phase 1 – 2016?


HACKNEY MARSH
RECREATION GROUND
Recreation Ground
CLAPTON PARK
Changing Rooms
Dressing Rooms
Temple Mills
Play. Flds.
Lee Valley Spts. Cen.
Temple Mills Bri.
RUCKHOLT ROAD
A106
A12
B112
LEA INTERCHANGE
Marshgate Bri.
Wick Field Recreation Ground
Lee Valley Cycle Circuit
HOMERTON
Recreation Ground
Football Ground
Mabley Green
MARSH HILL
EAST CROSS ROUTE
EASTWAY
Kingsway International Christian Centre
Arena Field Rec. Grd.
Lee Valley Park
Warehouse
Channelsea River
Container Terminal
STRATFORD NEW TOWN
HACKNEY WICK
HACKNEY WICK
CHAPMAN R.
Cold Stores
CHANNEL TUNNEL RAIL LINK (EST. COMP. APRIL 2006)
Hackney Wick
Freight Terminal
Warehouses
CARPENTER'S ROAD
A115
Stratford
Stratford (Low Level)
STRATFORD
Stratford Marsh
Works
Sun Wharf
Victoria Park Athletics Arena
Bowling Green
Tennis Courts
Playground
Cadogan Gate
OLD FORD
Three Colt Bridge
Skew Bridge
B118
PARNELL RD
B142
FAIRFIELD RD
OLD FORD
Pudding Mill Lane
BOW INTERCHANGE
BLACKWALL TUNNEL
BOW
Bow Church
Bow Rd
Grove Hall Park
HIGH ST
A118
Three Mills Green
Three Mills
TV & Film Studios
Pumping Station
Mill Meads
Prescott Channel
West Ham
Jubilee Line Depot
Bridge Rd Depot
Gas Depot
Memorial Recreation Ground
MANOR ROAD
A1011
NEW PLAISTOW R.
Public Gardens
VICARAGE LA
B164
WEST HAM LA
A112
BROADWAY
ROMFORD RD
Maryland
LEYTON ROAD
A112
ANGEL LA
CHOBHAM RD
LEYTONSTONE RD
HIGH ROAD
Leyton
Cemetery
Superstore
A12
LEYTON

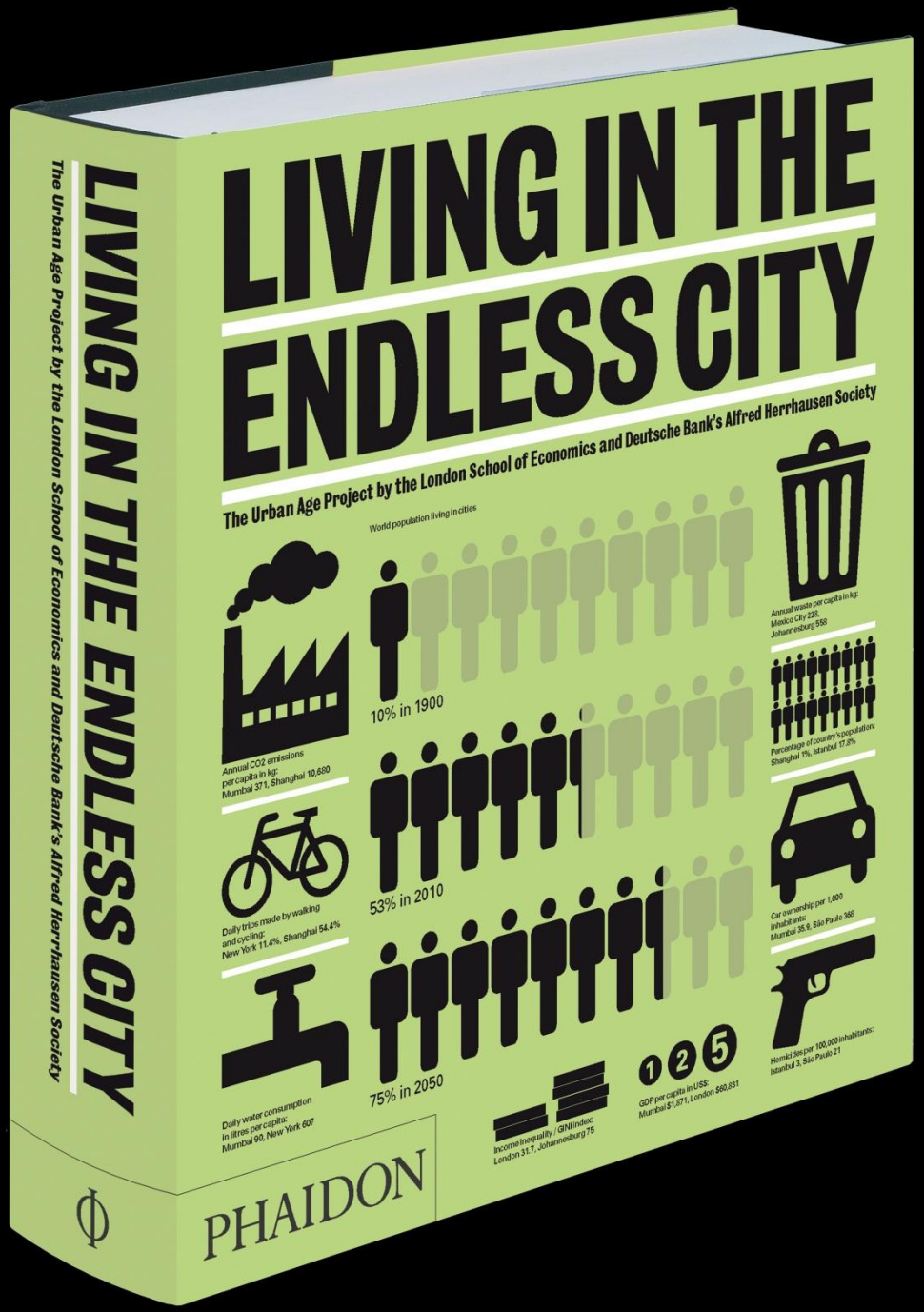
2005


HACKNEY MARSH
RECREATION GROUND
CLAPTON PARK
HOMERTON
Mabley Green
Temple Mills
Eton Manor
Leyton
Velodrome
BMX Track
Hockey Centre
Basketball Arena
Olympic Village
Main Press Centre
International Broadcast Centre
HACKNEY WICK
Hackney Wick
Handball Arena
Stratford International
Stratford New Town
Maryland
LONDON 2012
OLYMPIC PARK
Water Polo Arena
Aquatics Centre
Olympic Stadium
Stratford
STRATFORD
Stratford High St
OLD FORD
Pudding Mill Lane
BOW INTERCHANGE
OLD FORD
BOW
Bow Church
Bow Rd
Mill Meads
Abbey Road
West Ham
LEA INTERCHANGE
Warm up Facilities
Victoria Park Athletics Arena
Three Mills Green
Prescott Channel
Memorial Recreation Ground

2012


HACKNEY MARSH
RECREATION GROUND
EAST MARSH
RECREATION GROUND
CLAPTON PARK
HOMERTON
Mabley Green
Recreation Ground
Football Ground
Wick Woodland
Marshgate Bri.
Temple Mills Bri.
LEA INTERCHANGE
RUCKHOLT ROAD
CROSS ROUTE
EASTWAY
HOMERTON RD
A12 EAST
A106
B112
Eton Manor
Velodrome
Eastway Cycle Circuit
QUEEN ELIZABETH
OLYMPIC PARK
HACKNEY WICK
Hackney Wick
HACKNEY WICK
Arena Fields
Multi-use Sports Venue
NORTH MARSH
SOUTH MARSH
FIRST AVENUE
CARPENTERS RD
WATERDEN ROAD
Olympic Stadium
ArcelorMittal Orbit
Aquatics Centre
A115
Stratford International
Westfield Stratford City
Stratford
STRATFORD
SOUTHERN APPROACH
Stratford High St.
Leyton
LEYTON RD.
MAJOR R.
A112
Playing Fields
Chobham Academy
Maryland
ROMFORD RD
BROADWAY
GREAT EASTERN RD
ANGEL LA.
WEST HAM LA.
VICARAGE LA.
B164
NEW PLAISTOW R.
MANOR RD
A1011
Public Gardens
Jubilee Line Depot
Abbey Road
Bridge Rd. Depot
Mill Meads
Pumping Station
Three Mills Green
West Ham
West Ham
Memorial Recreation Ground
HIGH ST
A118
WARTON ROAD
Allotment Gdns.
Pudding Mill Lane
BOW INTERCHANGE
OLD FORD
Old Ford Wood
BLACKWALL TUNNEL
A12
FAIRFIELD RD
PARNELL RD
EAST CROSS ROUTE
OLD FORD
Victoria Park Athletics Arena
Tennis Courts
Playground
Bowling Green
Three Colt Bridge
Skew Bridge
FORD ROAD
B118
BOW
Bow Church
Bow Rd.
Grove Hall Park
Prescott Channel
Channelsea
Cemetery
Langthorne Park

2030


LIVING IN THE ENDLESS CITY
The Urban Age Project by the London School of Economics and Deutsche Bank's Alfred Herrhausen Society
LIVING IN THE ENDLESS CITY
The Urban Age Project by the London School of Economics and Deutsche Bank's Alfred Herrhausen Society
World population living in cities
10% in 1900
53% in 2010
75% in 2050
Annual CO2 emissions per capita in kg: Mumbai 371, Shanghai 10,680
Daily trips made by walking and cycling: New York 11.4%, Shanghai 54.4%
Daily water consumption in litres per capita: Mumbai 90, New York 607
Income inequality / GINI index: London 31.7, Johannesburg 75
1 2 5
GDP per capita in US$: Mumbai $1,671, London $60,631
Annual waste per capita in kg: Mexico City 228, Johannesburg 556
Percentage of country's population: Shanghai 1%, Istanbul 17.8%
Car ownership per 1,000 inhabitants: Mumbai 35.9, São Paulo 368
Homicides per 100,000 inhabitants: Istanbul 3, São Paulo 21
PHAIDON