

# TfL's strategic volumetric cycle count programme

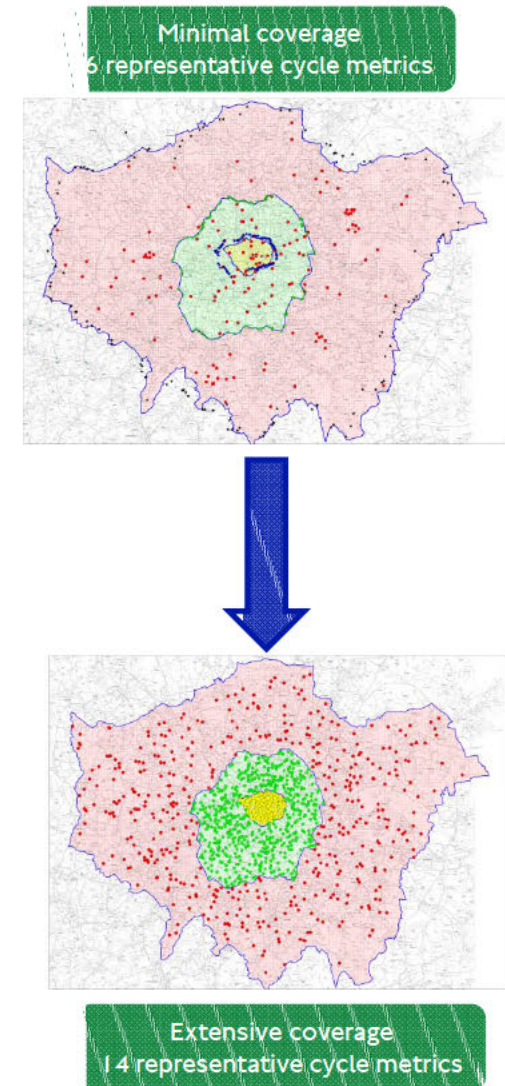
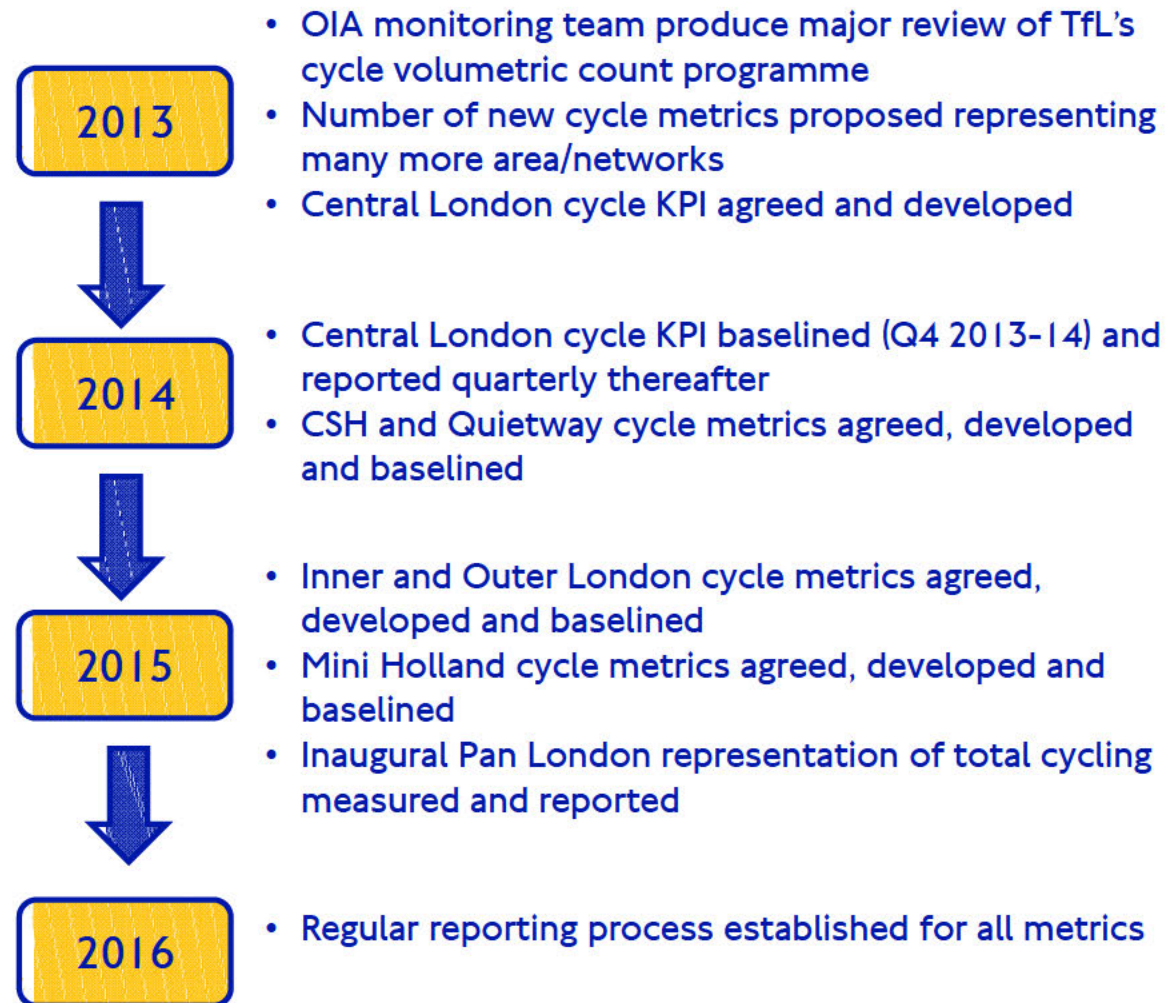
2017 update



#TrafficData@tfl.gov.uk#Cycling#Greater London# EVERY JOURNEY MATTERS



## Timeline for expansion of TfL's strategic cycle volumetric count programme



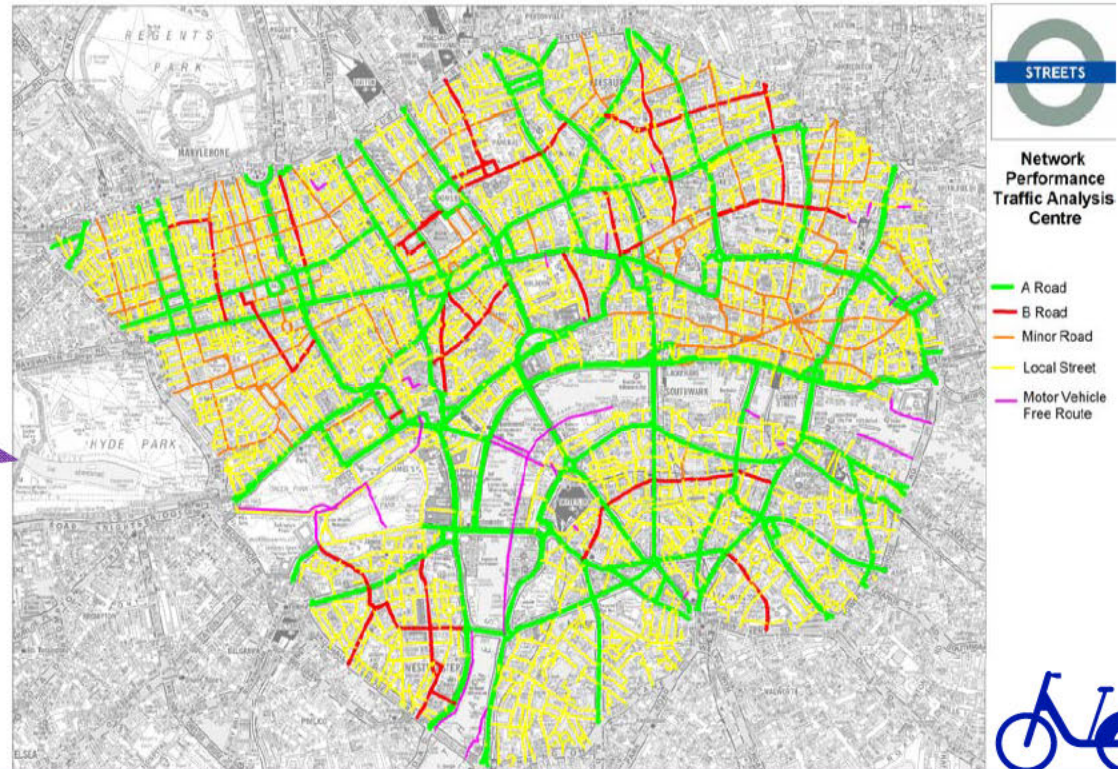


Stratification techniques used to create monitoring panels which represent cycle population by area/network. New monitoring framework replaces previous central London census count.

SAMPLE GROUPS		Network statistics	
Road class	Cycle priority type	Number of links	Length (Km)
A Road	Barclays Cycle Superhighway	100	5.2
	LCN/LCN+/NCR/ Greenway	1046	50.3
	Other advisory (LC guide)	91	4.6
	None	755	41.9
B Road	LCN/LCN+/NCR/ Greenway	294	14.7
	Other advisory (LC guide)	49	2.2
	None	63	3.6
Minor Road	LCN/LCN+/NCR/ Greenway	534	23.5
	Other advisory (LC guide)	148	7.0
	None	157	7.6
Local Street	Barclays Cycle Superhighway	21	1.1
	LCN/LCN+/NCR/ Greenway	960	54.8
	Other advisory (LC guide)	447	26.0
	None	2933	178.7
MVF	Barclays Cycle Superhighway	1	0.1
	LCN/LCN+/NCR/ Greenway	23	7.1
	Other advisory (LC guide)	7	1.0
<b>Totals</b>		<b>7629</b>	<b>429.4</b>

- Network split into 17 sample groups
- Groups represent each road class and cycle priority stratification
- Motor vehicle free routes included
- Cycle flow population estimated for each sample group using existing cycle count data

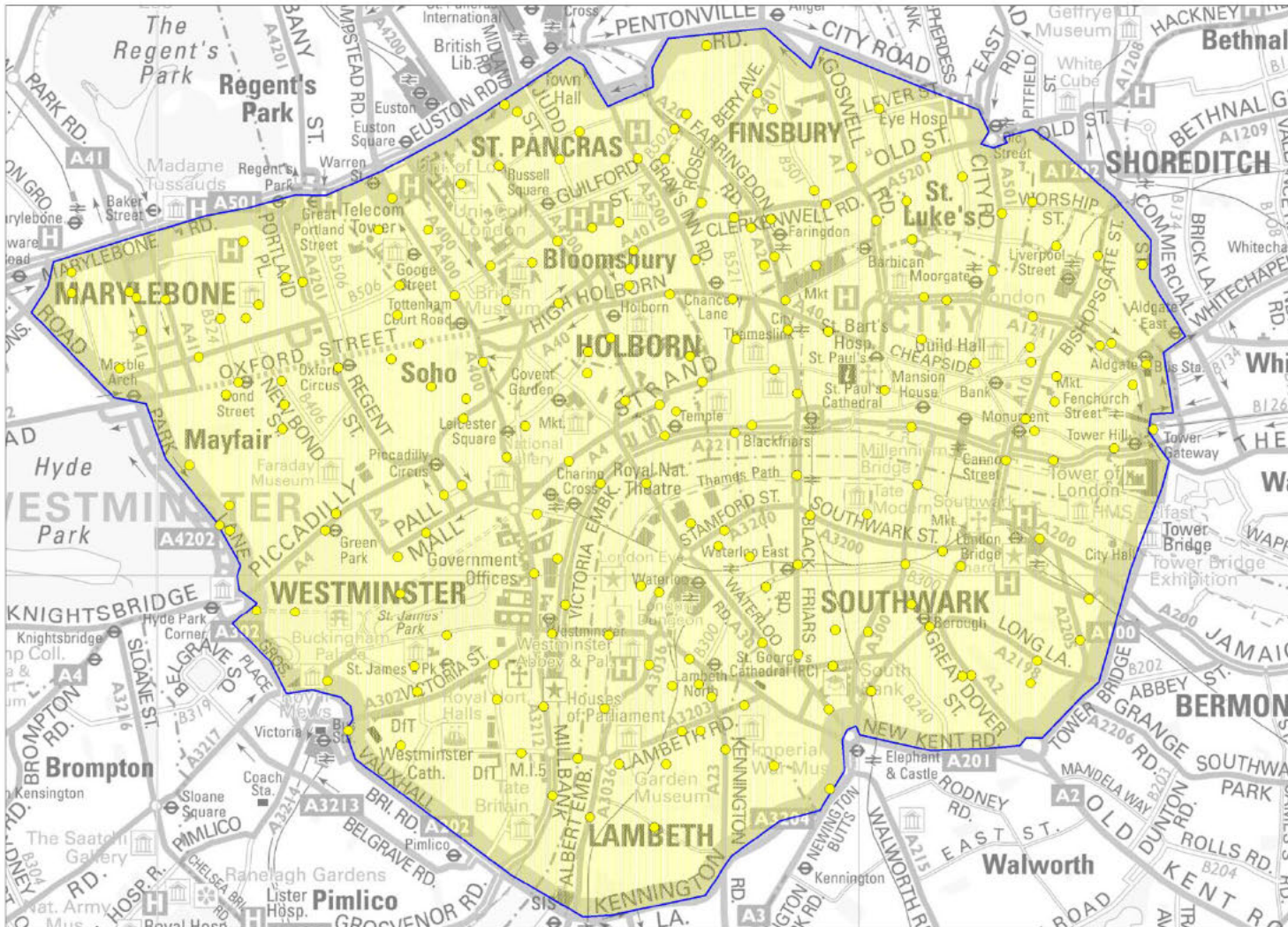
Individual monitoring locations within each sample group were selected using random selection split across 4 geographical quadrant areas





## Pan London representation of cycling

### Central London Area



Represented by:  
200 survey locations

Frequency:  
Quarterly

Commenced:  
Q4 2013-14

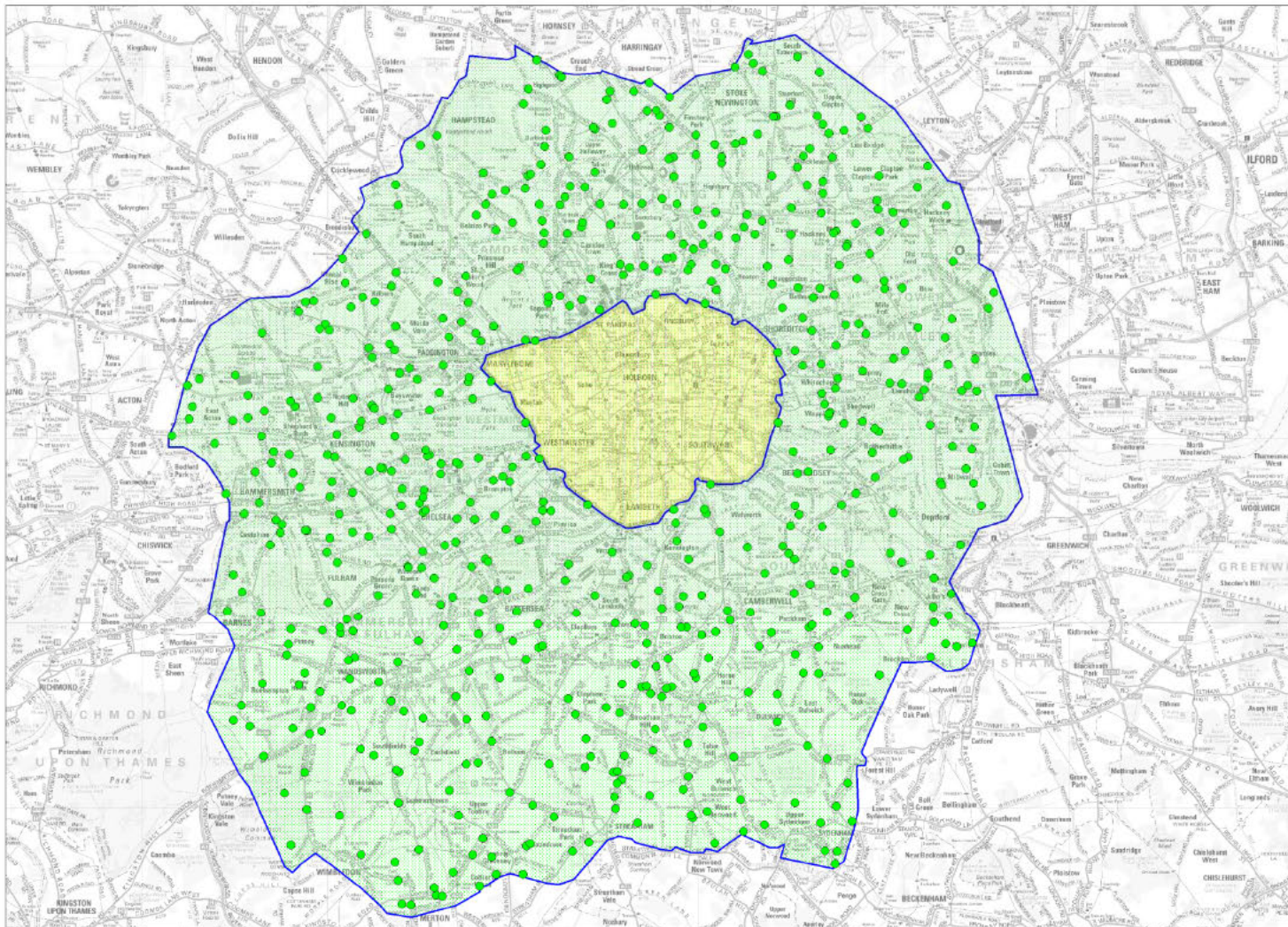


EVERY JOURNEY MATTERS



## Pan London representation of cycling

### Inner London Area



Represented by:  
600 survey locations

Frequency:  
Annually

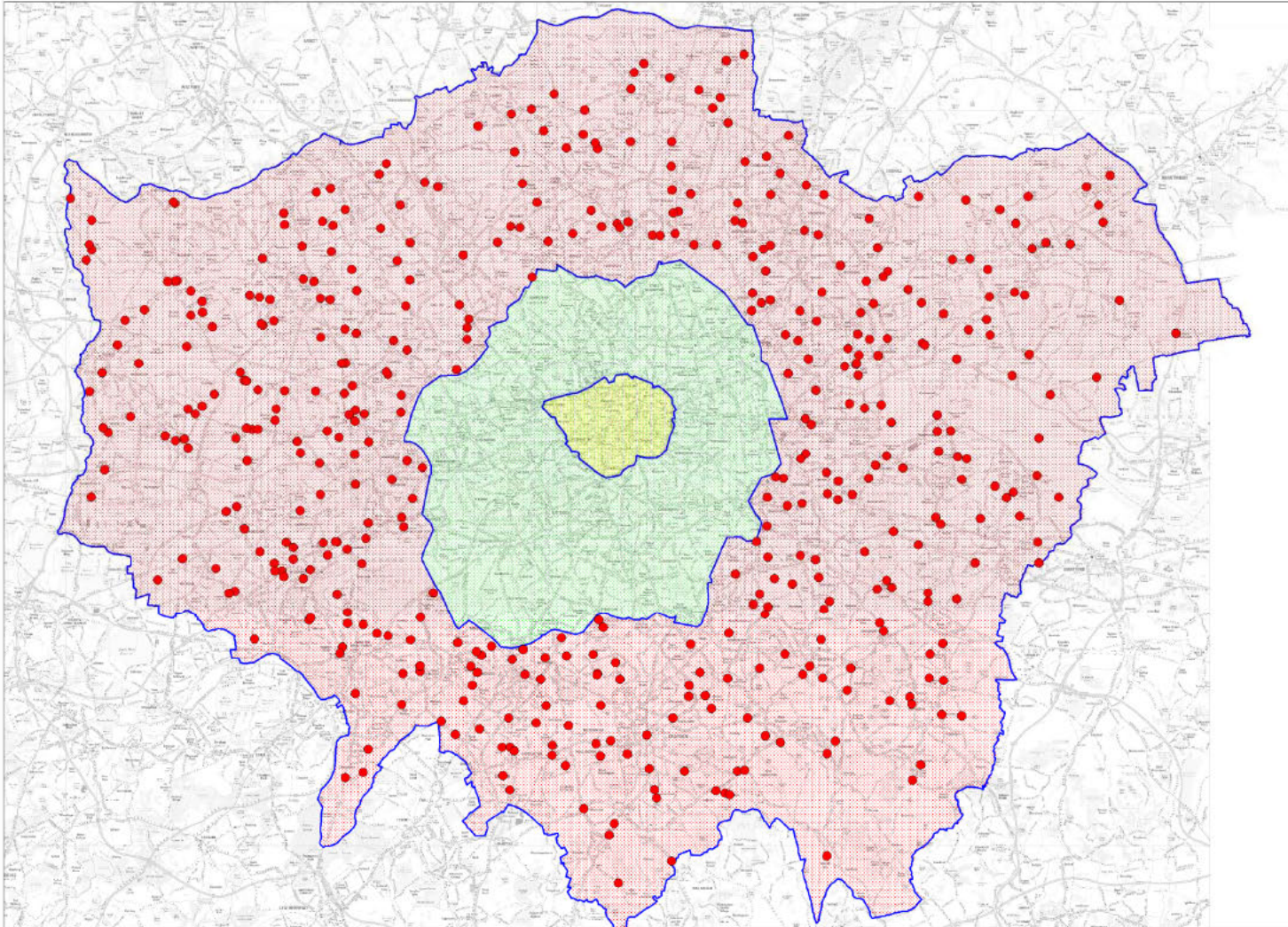
Commenced:  
2015





## Pan London representation of cycling

### Outer London Area



Represented by:  
450 survey locations

Frequency:  
Annually

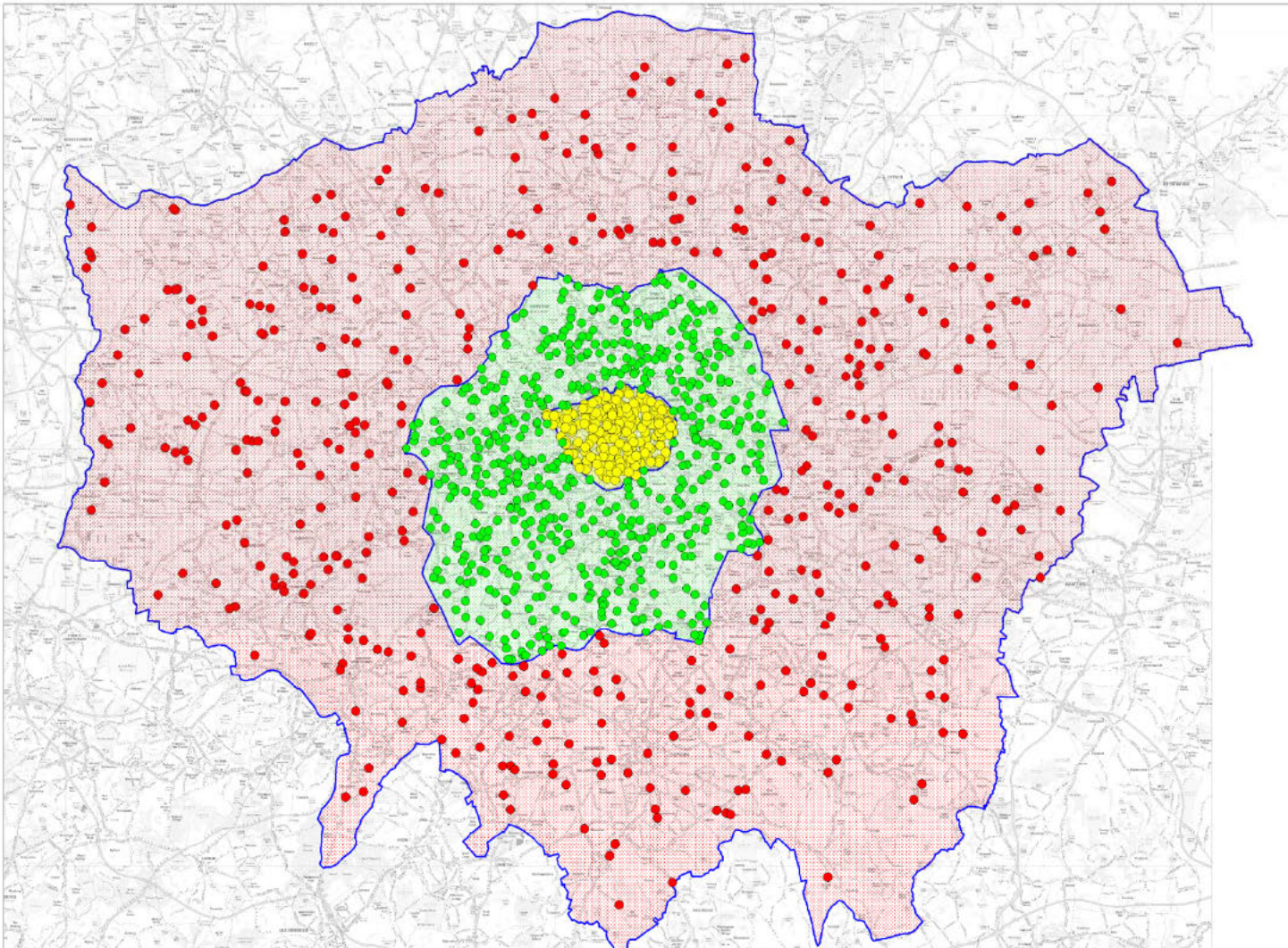
Commenced:  
2015





## Pan London representation of cycling

### Greater London Area



Collectively sum to  
a pan London  
representation of  
total cycling

Represented by:  
1,250 survey  
locations

Frequency:  
Annually

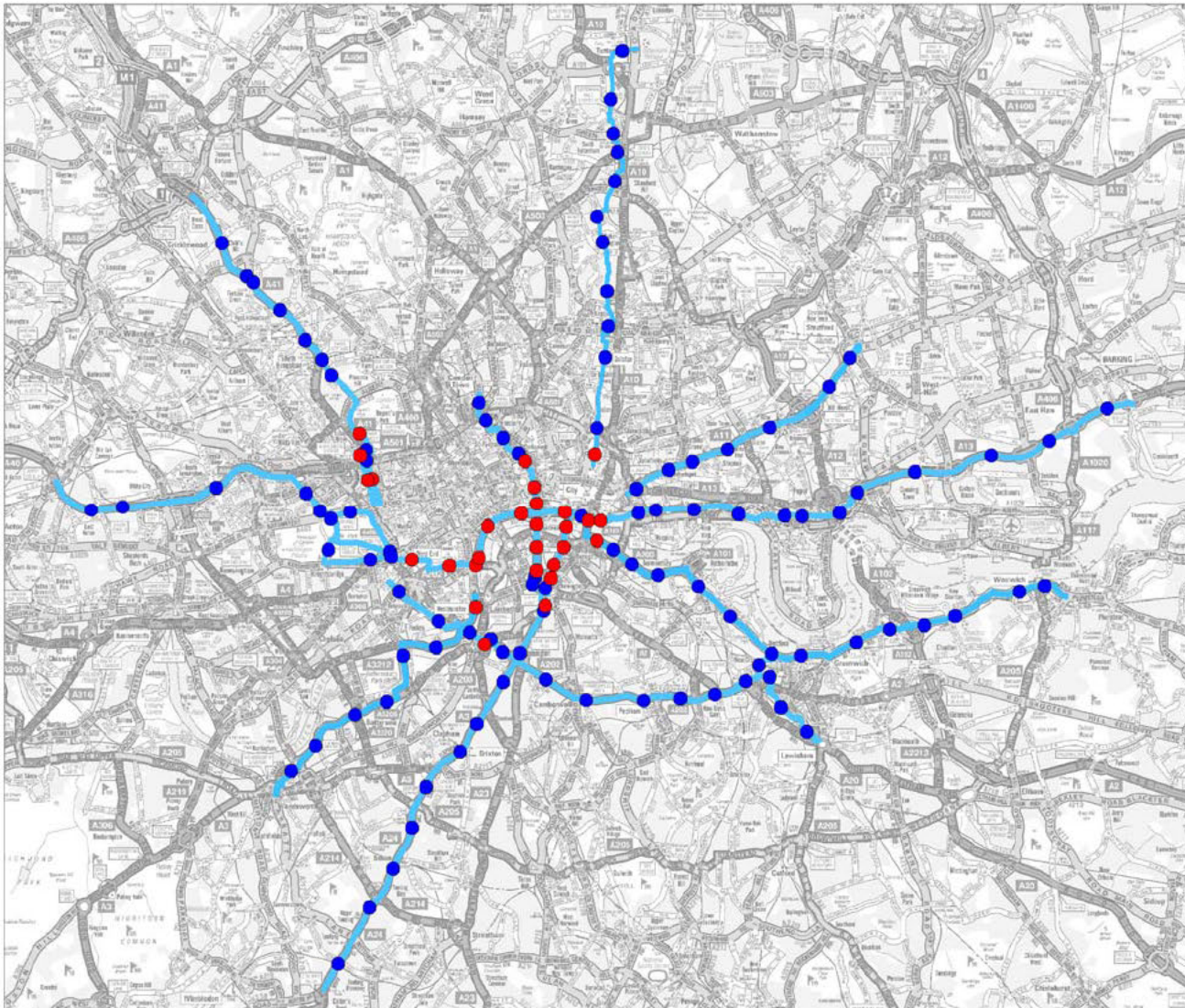
Commenced:  
2015





## Representing major TfL cycle infrastructure schemes

### Cycle Superhighways



Represented by:  
130 survey locations

Cover 10 CSH corridors

Survey points have been  
deployed on a 'one per  
kilometre' basis

Frequency:  
Annually

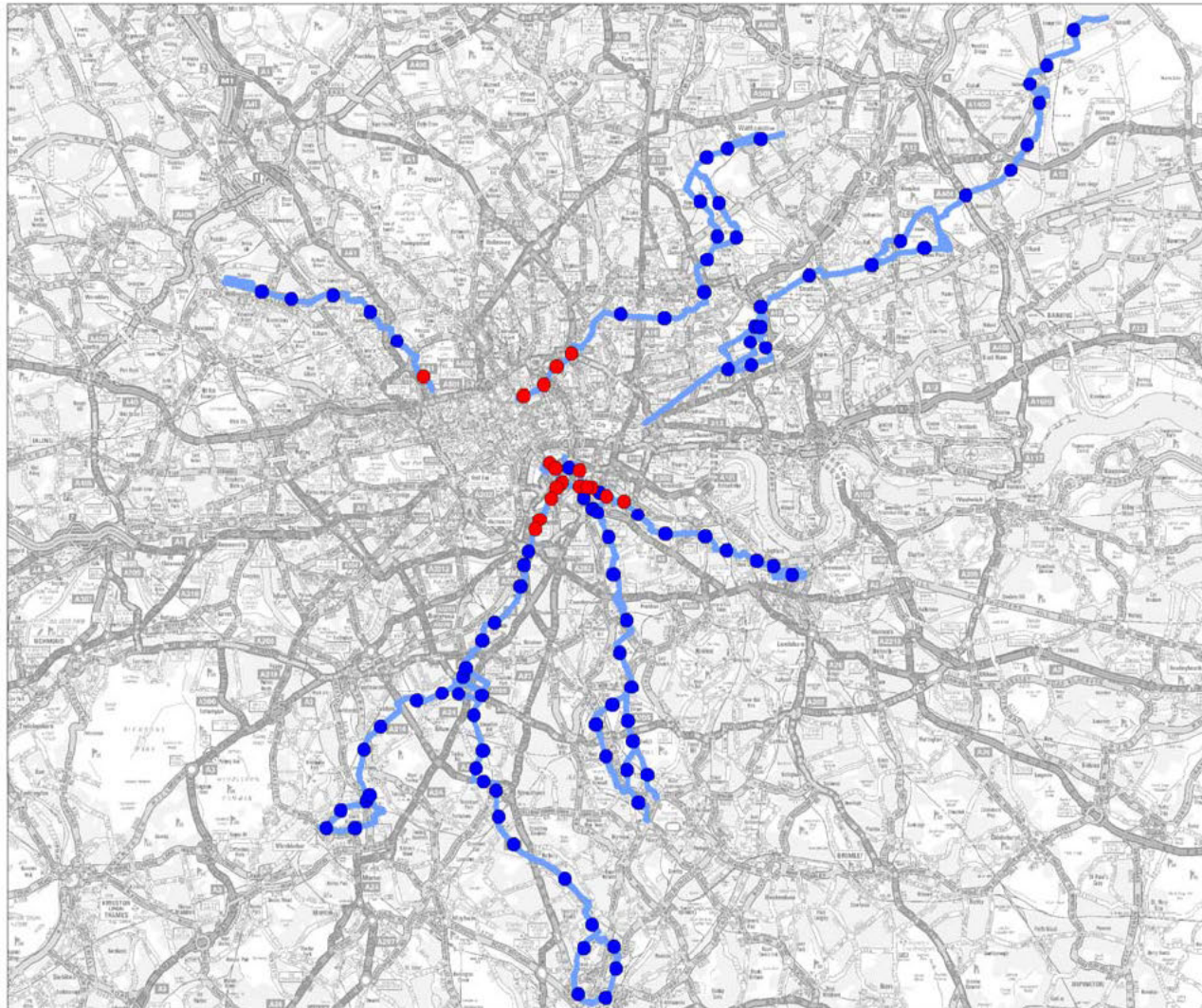
Commenced:  
2014





## Representing major TfL cycle infrastructure schemes

### Cycle Quietways



Represented by:  
130 survey locations

Cover 7 Quietway  
corridors

Survey points have been  
deployed on a 'one per  
kilometre' basis

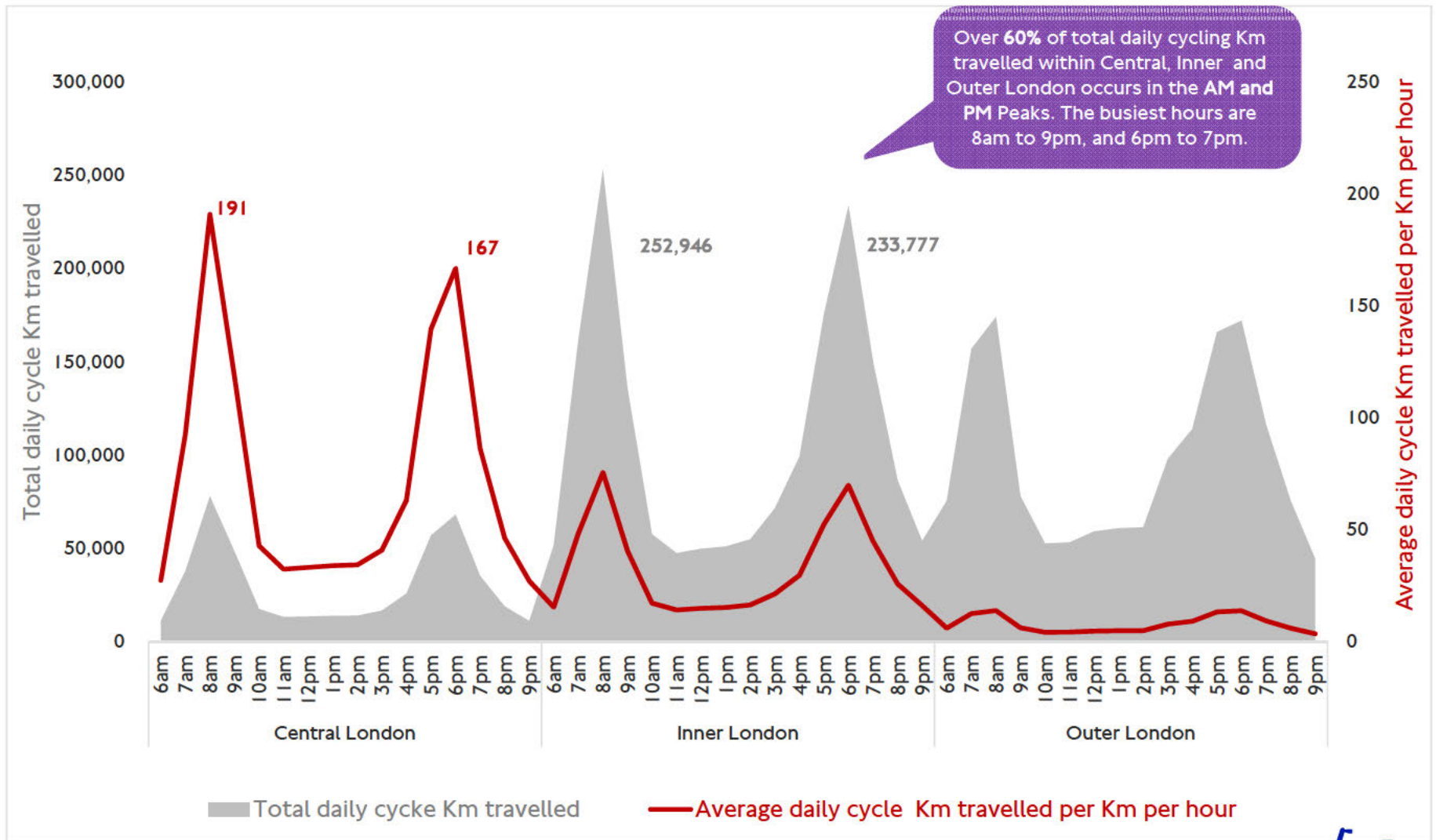
Frequency:  
Annually

Commenced:  
2014





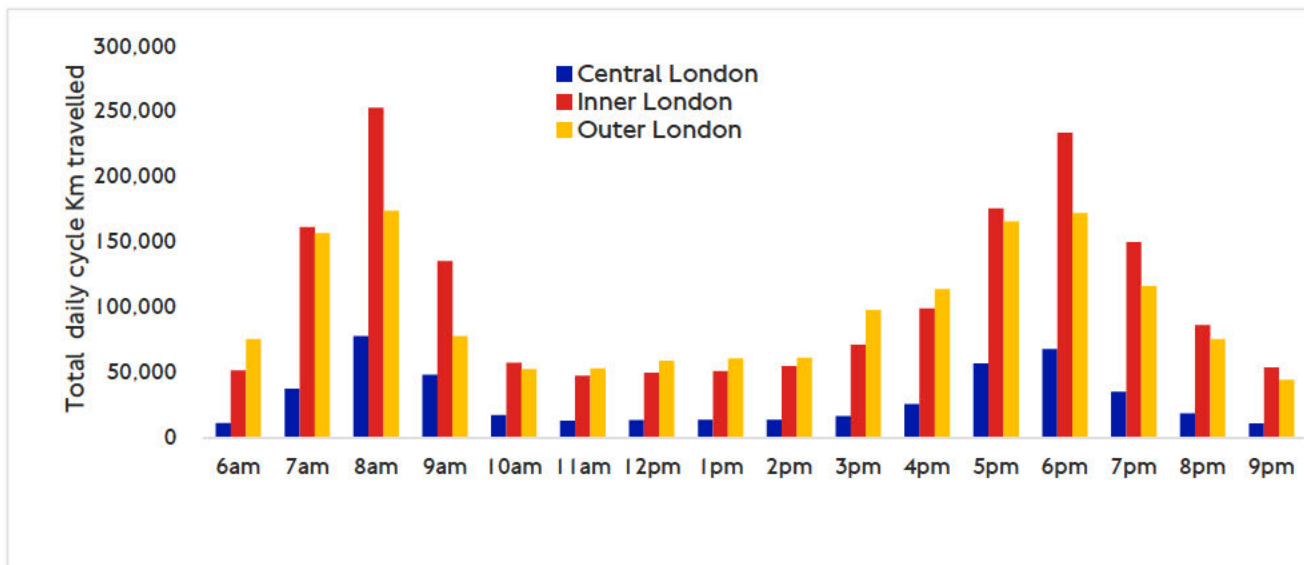
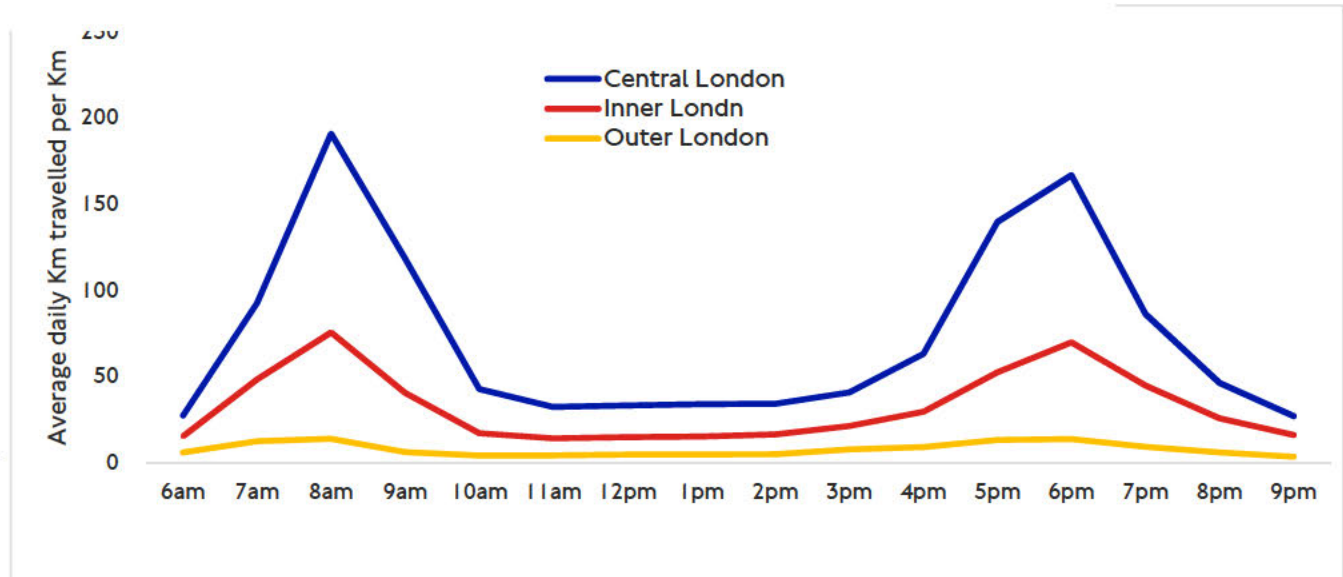
## Cycling in Greater London by time of a day





## Metrics developed to represent and measure cycling activity which are comparable across strategic areas & networks

**“Average daily cycle Km travelled per Km”** - describes the rate of cycling and it is comparable across different areas of London - expressed as average daily flow.

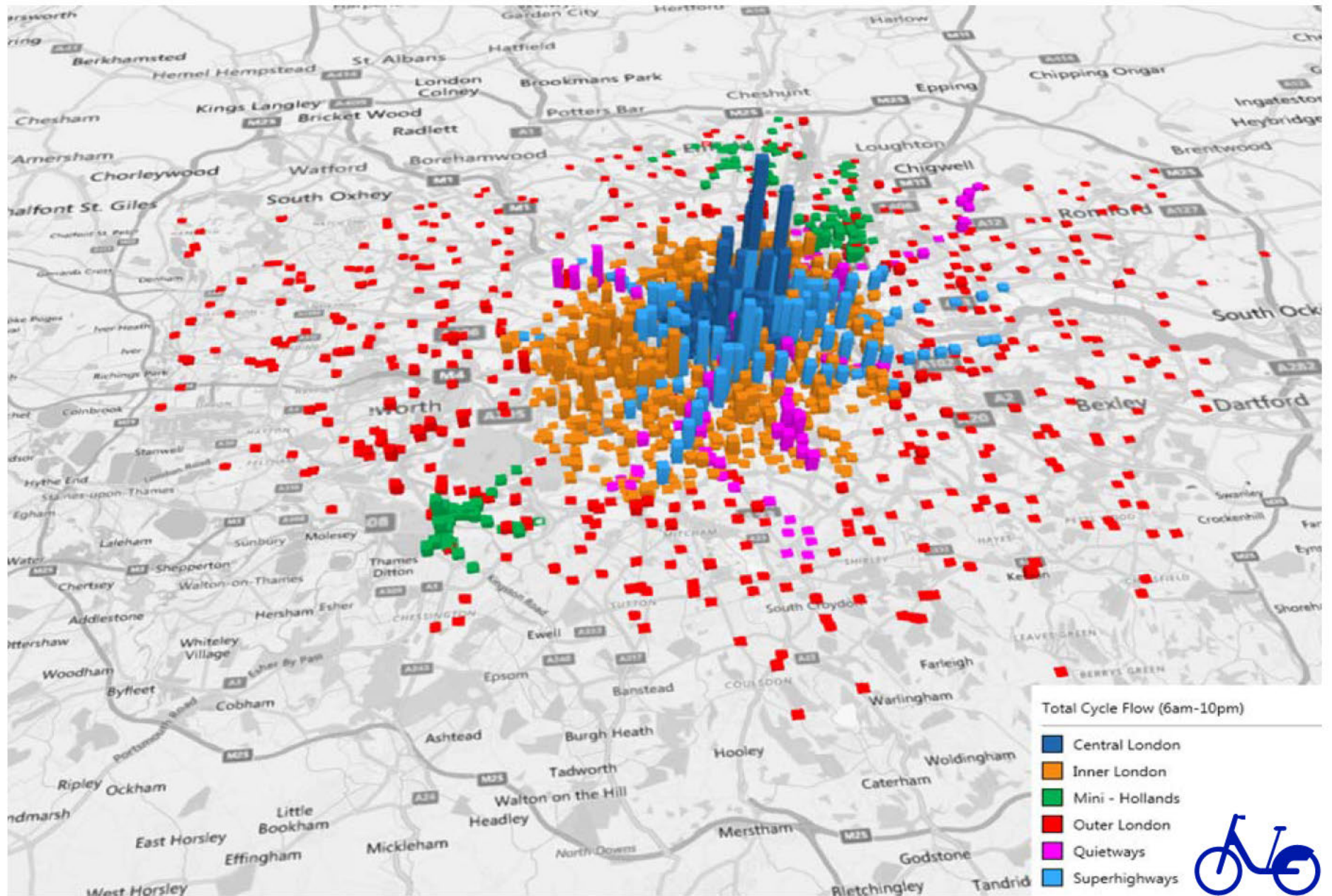


**“Total daily cycle Km travelled”** shows total cycling activity by taking into account network length.



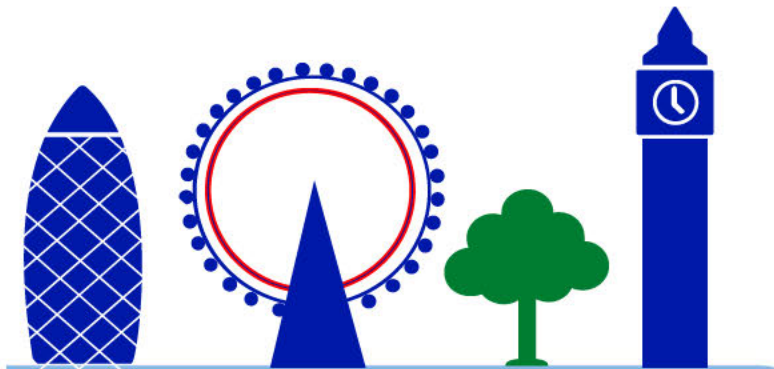


## Greater London Metric – 2015 results. Panel of monitoring sites



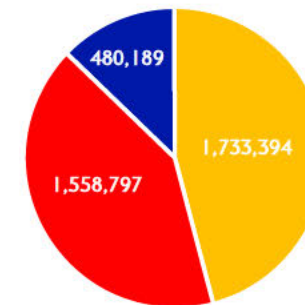
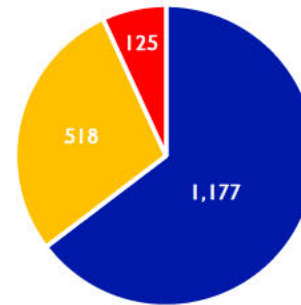


## KEY FACTS about the Greater London Cycling Metric – 2015 results below

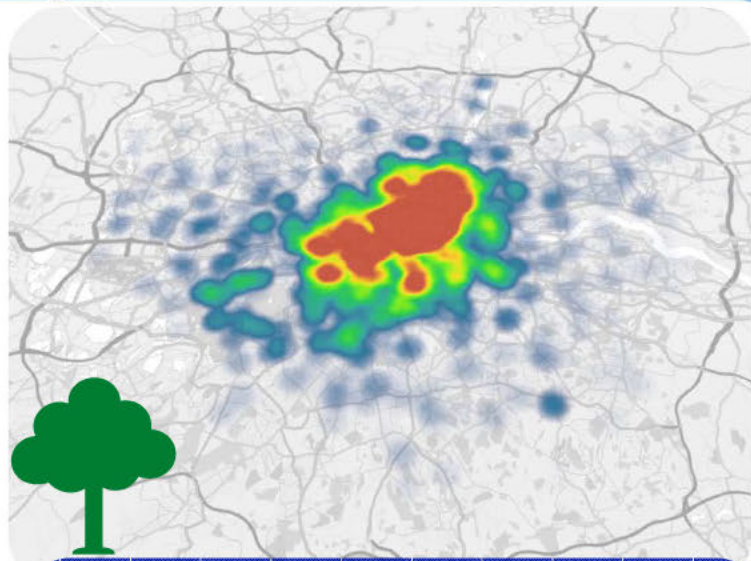


Rate of cycling in Greater London – 232  
“An Average daily cycle Km per Km”

Total volume of cycling – 3,772,280 Km  
showing the proportion of “Total daily cycle Km travelled” across the Greater London cycle network.



- Central London
- Inner London
- Outer London



The highest rate of cycling is observed within **Central London** with an average flow of 1,177 bikes a day per Km of network. However, **Inner London** shows the highest amount of total cycle Km travelled per day with 1,773,394.

All day (6am to 10pm)	Network	Length Km	Average daily cycle kilometres travelled per kilometre	Total daily cycle kilometres travelled	Proportion of total cycling km within Greater London (2015)
			2015	2015	%
	Central London	408	1,177	480,189	12.7%
	Inner London	3,344	518	1,733,394	45.9%
	Outer London	12,481	125	1,558,797	41.3%
	<b>Greater London (Total)</b>	<b>16,233</b>	<b>232</b>	<b>3,772,380</b>	<b>100%</b>



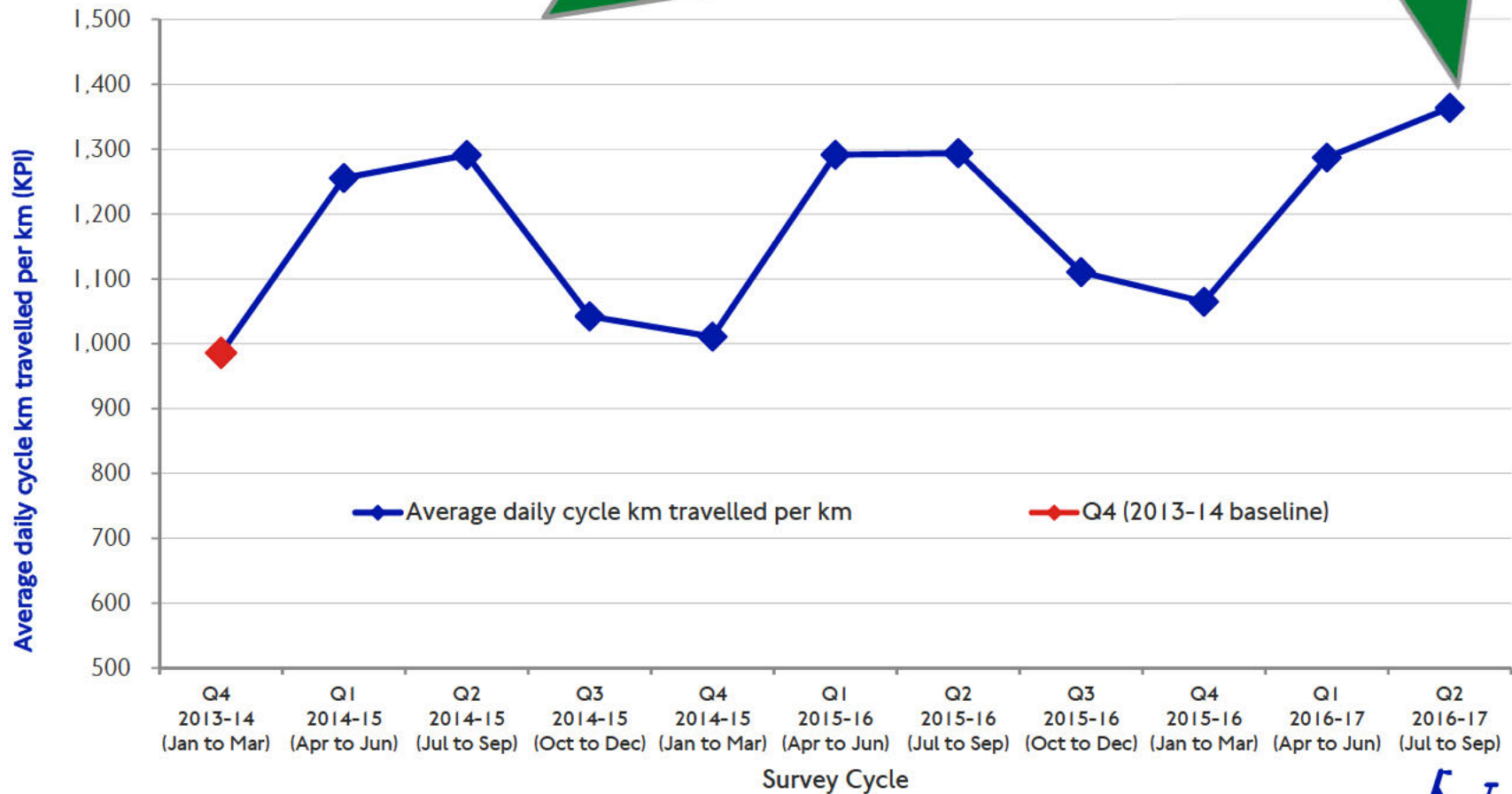


## Focus on Central London Area - 2015 highlights in numbers

### Quarterly cycle trend in Central Area - Average daily cycle Km travelled per Km (KPI) on all networks

Figure below shows the trend for the quarterly headline KPI metric - Central London average 16 hour (6am to 10pm) total cycle kilometres travelled per kilometre per day. The seasonal variations in cycling activity are shown, with the Q1 and Q2 surveys which take place in the **spring** and **summer** months showing relatively higher daily cycle flows.

There is a 5.6% increase in cycling between Q2 2016/17 and the same quarter in 2015/16.





## Full summary table of new cycle metrics developed

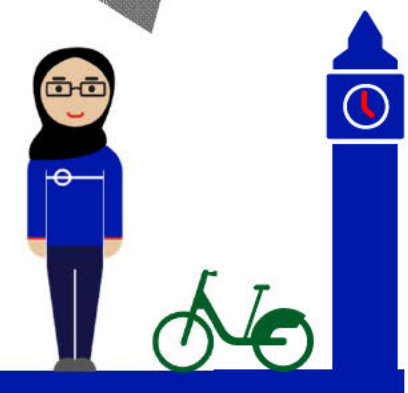
Network/Area	Length Km	Average daily cycle kilometres travelled per kilometre - All day (6am to 10pm)			Total daily cycle kilometres travelled - All day (6am to 10pm)		
		2014	2015	% change over baseline*	2014	2015	Proportion of total cycling km within Greater London (2015)
<b>Areas:</b>							
Central London	408	1,144	1,177	2.9	n/a	480,189	12.7%
Inner London	3,344	n/a	518	Jan 2017	n/a	1,733,394	45.9%
Outer London	12,481	n/a	125	Jan 2017	n/a	1,558,797	41.3%
<b>Greater London (Total)</b>	<b>16,233</b>	<b>n/a</b>	<b>232</b>	<b>n/a</b>	<b>n/a</b>	<b>3,772,380</b>	<b>100%</b>
<b>of which</b>							
Cycle Superhighways	113	2,343	2,215	-5.5	265,141	250,615	6.6%
Cycle Quietways	116	724	737	1.8	84,674	86,087	2.3%
Central Grid Skeleton network (All routes)	89	1,795	1,621	-9.7	160,521	144,961	3.8%
Central Grid Skeleton network excluding MVF (% modal share)	83	21.1%	19.7%	-1.4%	151,469	137,329	3.6%
Mini Holland routes	88	n/a	382	Jan 2017	n/a	33,587	Jan 2017

**Outcome, Insight & Analysis – Monitoring Team** is responsible for data collection, validation sharing the results and reporting processes. Our aim is to collect and release more cycling data.

A high level summary table of data collected during the strategic monitoring of cycling in Greater London so far.

To draw up and implement effective cycling measures – **harmonised and accurate data is needed.**

All detailed cycle count data, summary tables and reports can be downloaded from **OIA – Monitoring Team Data Store** at <https://sharelondon.tfl.gov.uk/st/scds>





## Outcome Insight & Analysis

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OIA – Monitoring Team Data Store at

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Alternatively, please e-mail us –

[TrafficData@](#)

**I ♥  
Cycling**



#EVERY BICYCLE COUNTS# EVERY JOURNEY MATTERS