



Clean Air Better Business

Steering Group Meeting

Hosted by Camden Town Unlimited
12th October 2016



**CROSS RIVER
PARTNERSHIP**



**Transport
for London**

SUPPORTED BY

MAYOR OF LONDON

Agenda

Item	Lead	Paper	Time
Introduction/welcome	Brendon Harper/All	None	9.30 – 9:35
Anti Idling Days	Chloe Lyons, Nick Gardner (Project Dirt)	Presentation	9:35 – 9:55
Low Emission Logistics project update	Sukky Choongh-Campbell (LB Lambeth)	Presentation	9:55 – 10.10
Centrally-led projects	Brendon Harper, Charlotte Knell (CRP)	Presentation	10:10 – 10:30
BID & Borough round table	All	None	10:30 – 10:50
Break – Teas/Coffee 10:50 – 11:00			

Low Emission Logistics

Clean Air Better Business

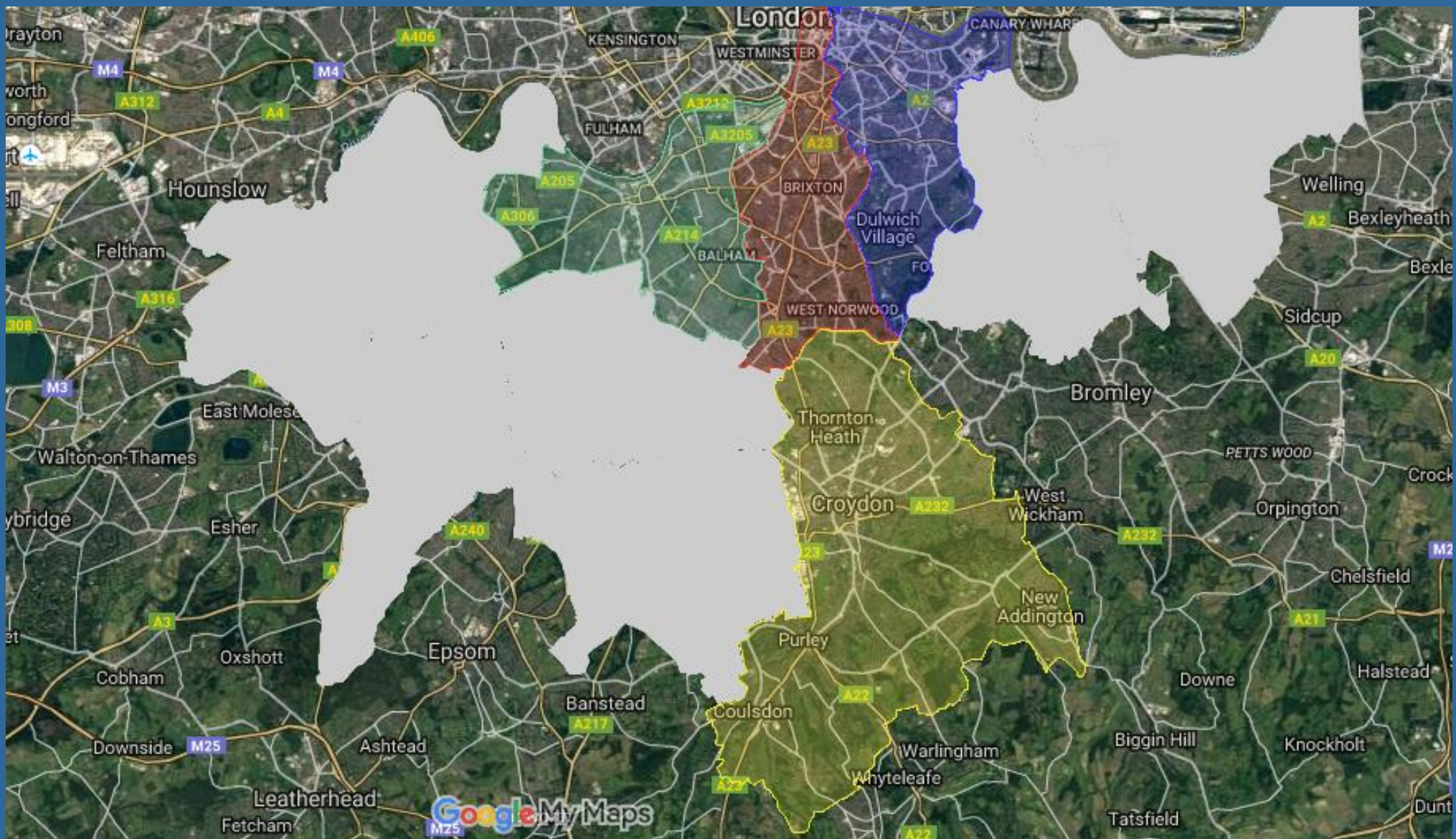
12th October 2016

What will be covered?

- Introduction
- Problem
- Proposed Solutions
- Obstacles
- Next steps

Low emission logistics

- Funded through the second round of the Mayor's Air Quality Fund (MAQF2)
- 3 years from 2016/17 – 2018/19
- Lambeth – lead borough partnering with Southwark, Croydon and Wandsworth councils.



Aims and objectives

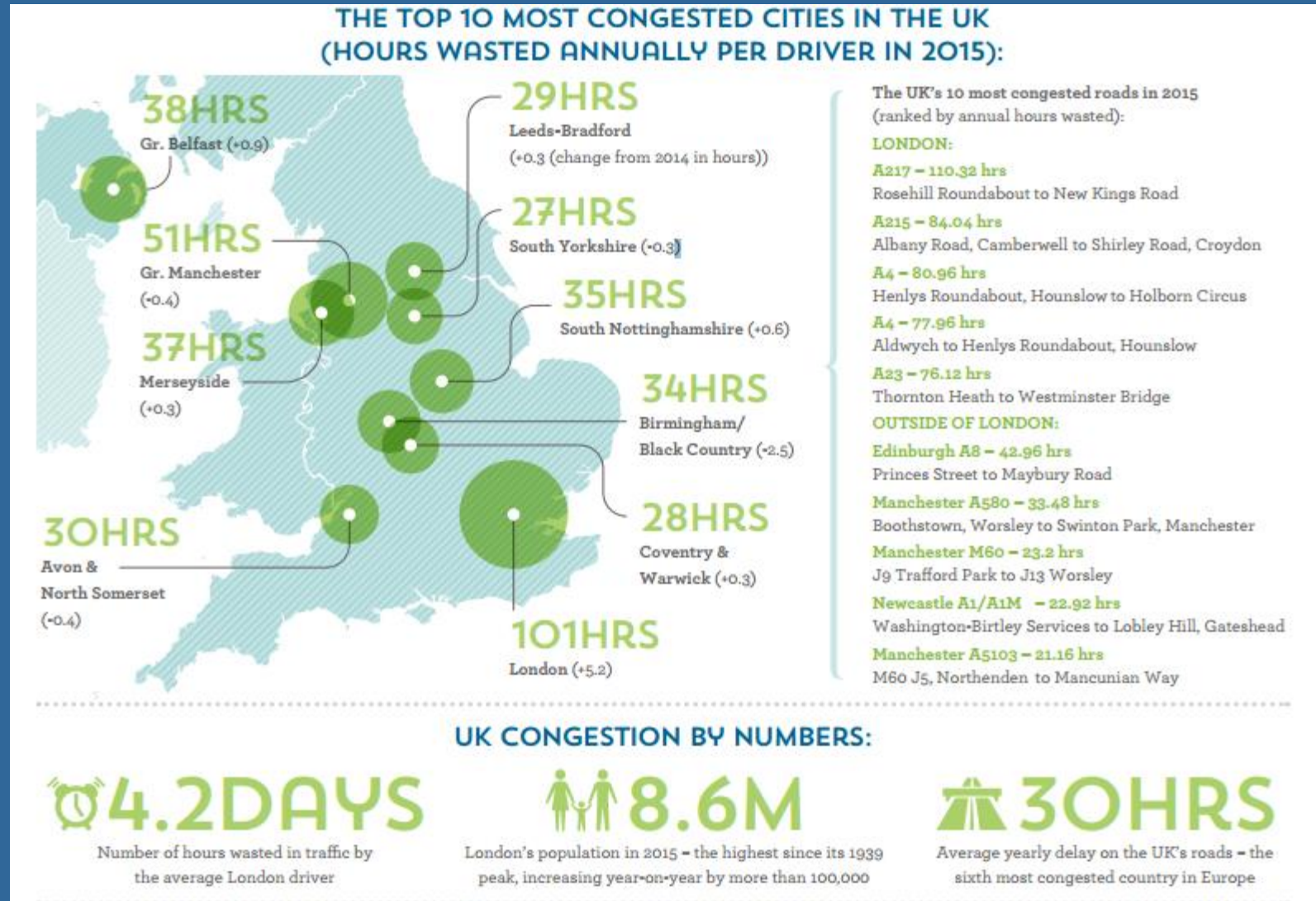
- To reduce the number of delivery vehicles in each borough
- To reduce congestion, to improve air quality and provide opportunities to reduce operational costs
- To identify priority areas where consolidation solutions can be introduced in a cost-effective way
- **Target: Achieve 40% reduction in emissions**

Problem



Congestion

- 2015 study by INRIX shows 101 hours wasted by drivers sat in congestion in London
- Population growth = worsening congestion, air quality, road safety, economic cost.....

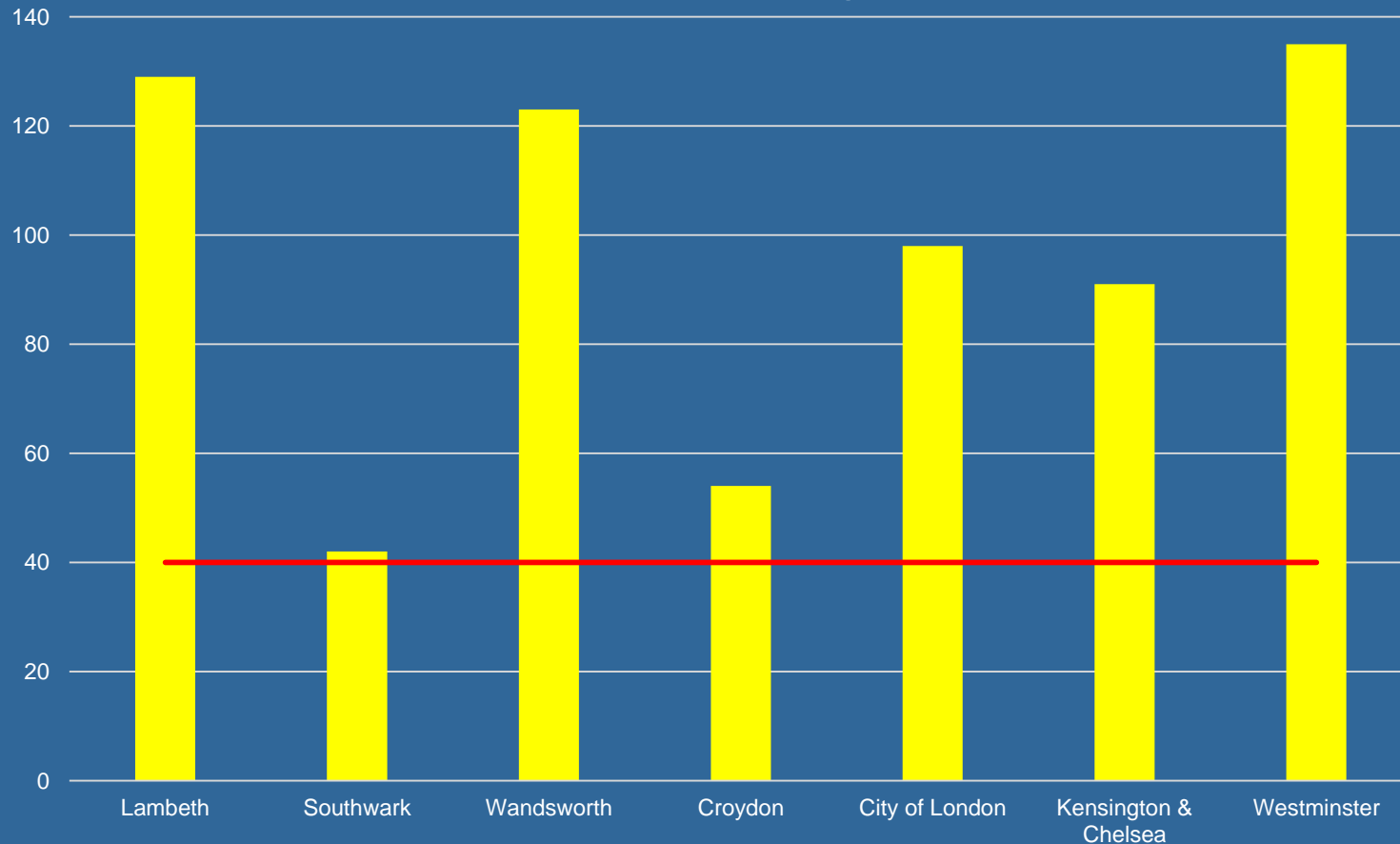


Air Quality

- Public Health experts estimate 9,500 deaths occur in London each year due to exposure to poor air quality
- Objective limits for nitrogen dioxide continue to be exceeded
- 50% of nitrogen dioxide emissions in London are from road traffic

How poor is the air quality in London?

Annual Mean Nitrogen Dioxide 2015
Automatic monitoring



Lambeth Air Quality Action Plan 2017-2022

- Development and buildings
- Public health awareness raising
- Delivery servicing and freight
- Borough fleet actions
- Localised solutions
- Transport and highways

Year 1 - Plan

- Review current behaviour
- Identify potential for reducing deliveries
- Invite businesses and other public sector organisations to join
- Conduct feasibility study into the set-up and management of a consolidation centre

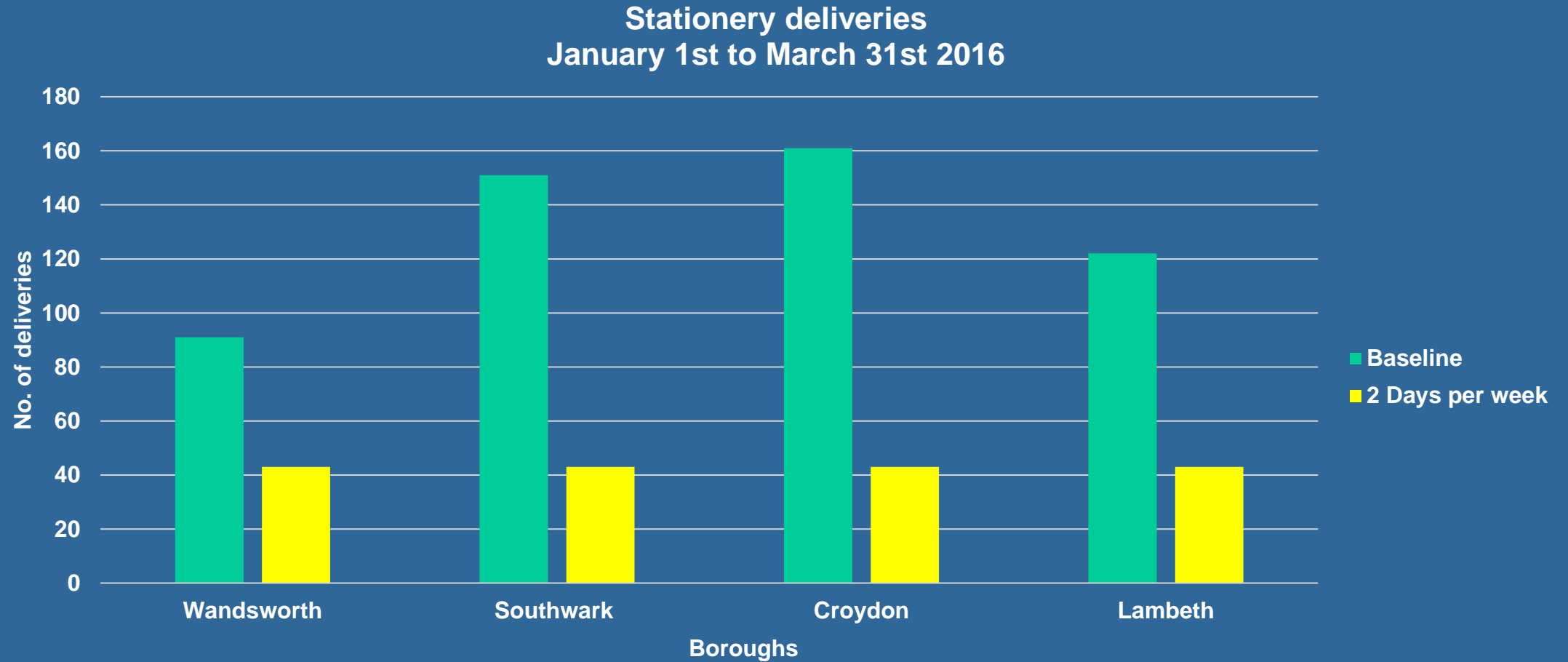
Proposed solutions

- Reduce frequency
- Share suppliers
- Co-ordinated deliveries
- Micro-consolidation
- Pallet networks
- Urban consolidation centre

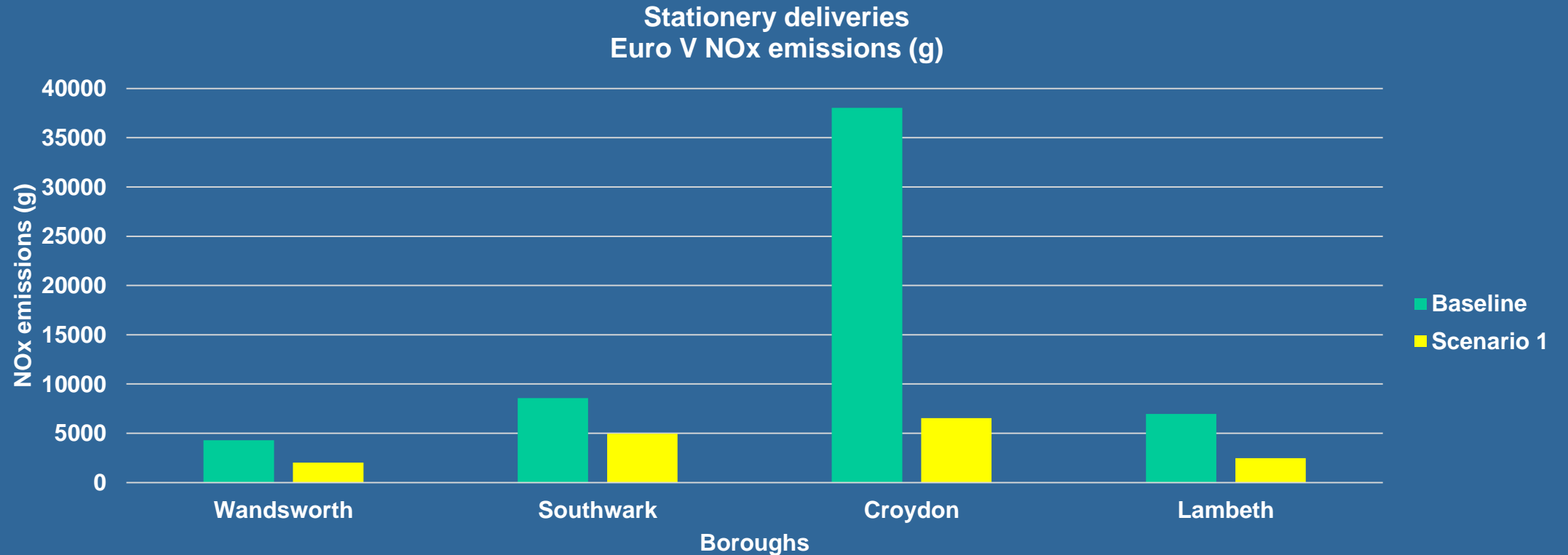
Year 1 – Achievements to date

- Quantified current deliveries and emissions
- Reduced frequency
- Working with GLA (City Hall), Brixton BID, Wandsworth Town centres, Central London skyscraper
- Lambeth hybrid mail solution
- Business surveys
- Trial planned to test consolidation centre option
- Consolidation Centre feasibility study underway

Stationery – Number of deliveries



Stationery deliveries – emissions (Euro V)



Obstacles

- No perceptible problem
- Disconnection between own behaviour and wider issues
 - “Reducing congestion is TfL’s problem”
 - “Improving air quality is down to the Mayor/council”
- Commercial needs
- Reluctance to change
- Perception of no control/additional cost
- Time/resources

Area based proposal

- Commitment from majority stakeholders
- Review current situation
 - air quality
 - traffic data
 - public realm perception
- Baseline data
- Agree interventions
- Implementation and Monitoring

Best practice examples

- NWEC waste reduction
- London Boroughs Consolidation Centre
- Gnewt Cargo
- Barcelona night time deliveries
- Binnenstadtservice, Netherlands
- Paris Waterways supermarket deliveries

Questions?

Thank you for listening.

For further information please contact
schoongh-campbell@lambeth.gov.uk
<http://love.lambeth.gov.uk/low-emission-logistics-project/>

CENTRALLY-LED PROJECTS

Brendon Harper & Charlotte Knell (CRP)

- Delivery and Servicing Plans
- Eco Driver Training
- Exposure reduction
- Personal deliveries
- Communications and monitoring

PERSONAL DELIVERIES

No one likes missing a delivery at home, but having your online shopping sent to your workplace adds to congestion and emissions in central London.

By using the alternative delivery options explained here you will help reduce congestion and air pollution. This will make the area a nicer, safer and healthier place to visit, shop and work. And you'll never miss a delivery at home again!



COLLECT INSTORE High Street retailers	COLLECT LOCALLY Selected retailers	COLLECT LOCALLY All retailers
 Click & Collect	 Check Out	 Sign Up
1 Choose 'Click & Collect' as the delivery option when ordering online from a major high street retailer	1 Choose a local collect point (e.g. Collect+, Royal Mail Local Collect or an Amazon Locker*) as the delivery option when ordering online from participating retailers	1 Sign up for a parcel management service (e.g. Doddle, HubBox or Parcelly*) and choose a convenient collection point from hundreds available
 TOPSTORE	 CORNER SHOP	
2 Collect your order from your chosen branch	2 Collect your order from your chosen collection point	2 Provide your Member ID and the address of your convenient collection point when ordering goods online from any retailer
 FREE		 PER DELIVERY £2.00 UNLIMITED £5.00
→ Usually free	→ Free, or small charge depending on amount spent, delivery speed or collection location	→ Approx. £2 per delivery, or unlimited deliveries from around £5 a month

*Indicative of some delivery options on the market as at June 2016. Inclusion does not indicate CRP's specific endorsement.

Freight TAILS



Presentation to:

Clean Air Better Business Steering Group

12th October 2016

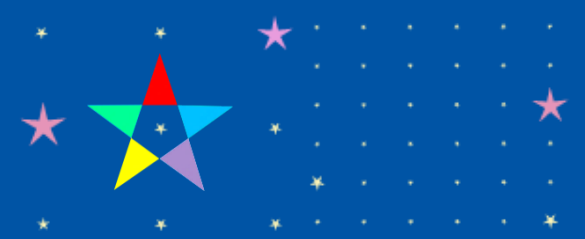


Freight TAILS



1. Project Introduction – cities & URBACT funding
2. Freight TAILS Transnational Working *CABB SG input*
3. Freight TAILS Local Working – central London business focussed D&S tool *CABB SG input*

Project Introduction



Working together to reduce the impact of freight movements in urban Europe.

10 cities across Europe:

- Westminster, UK
- La Rochelle, France
- Brussels, Belgium
- Maastricht, The Netherlands
- Parma, Italy
- Split, Croatia
- Gdynia, Poland
- Suceava, Romania
- Tallinn, Estonia
- Umeå, Sweden



URBACT main objective: To promote integrated and sustainable urban development in EU cities

Freight TAILS Transnational Working



1. Part of the URBACT Community with input to URBACT Secretariat activities and beyond
2. Freight TAILS Transnational Meetings
3. Freight TAILS Transnational Themes...



Freight TAILS Transnational Themes



Stakeholders, Data, Integration, Regulation & Enforcement, Voluntary Behaviour Change, Procurement

Freight TAILS Transnational Themes: CABB SG Thoughts...



Data



- What data on urban freight management do we have to in order to carry out our local action, and future actions. What data do we not have but do need?
- Where does / could data come from? What data would be useful, and for what?
- How do we get, use and share data?
- What data collection is realistic? Sustainable?
- What other data would be helpful...?



Freight TAILS Local Working



URBACT Local Group: *multi-stakeholder, regular meetings, up and down link to transnational work.*

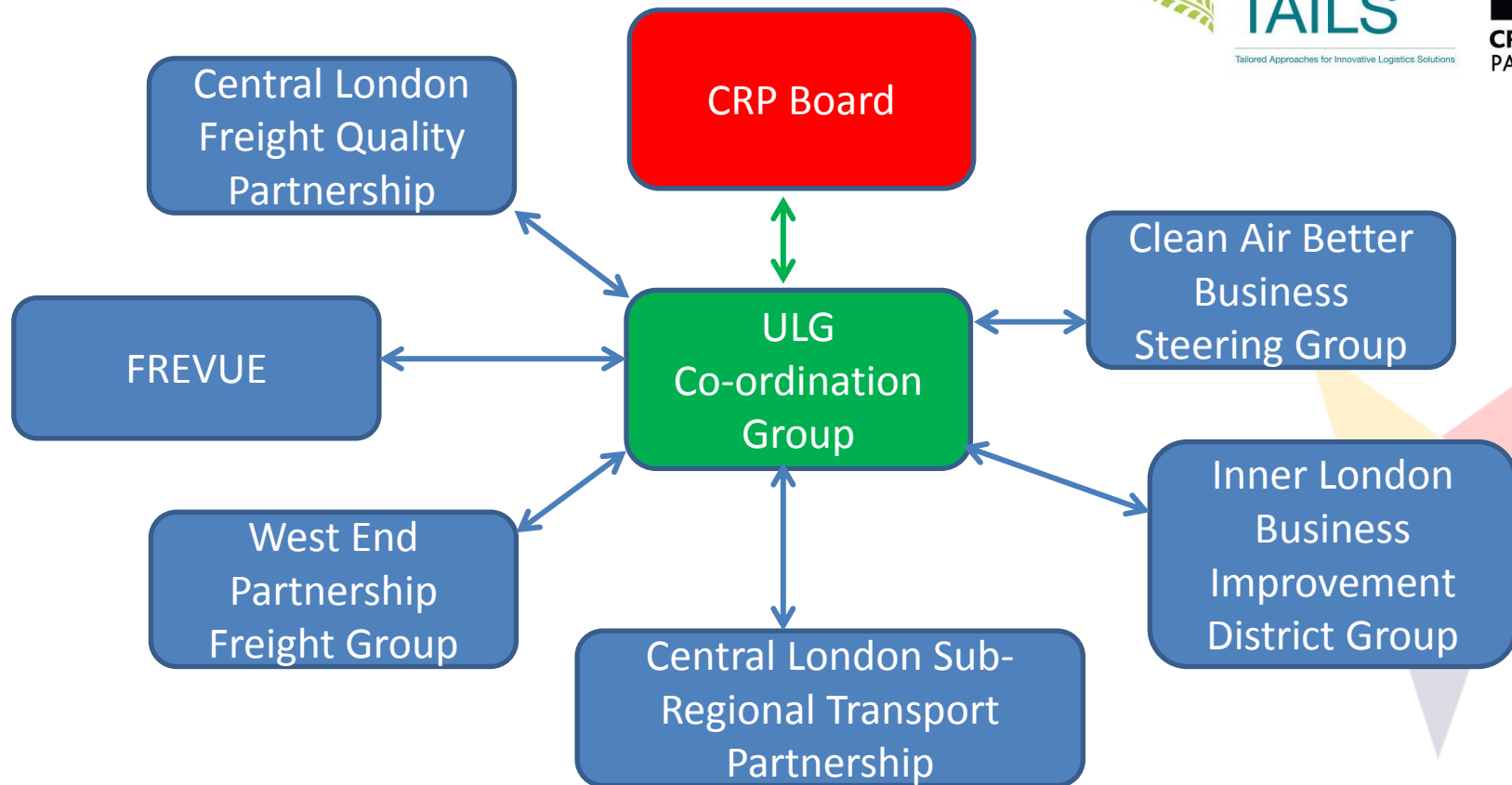
Integrated Action Plan: *defined locally, 2 years to work up, will include identifying actions, who is responsible, cost, funding source, timelines for implementation, measurable and tangible results*



Local Integrated Action Plan Topics

City	Country	IAP Topic
London (Lead Partner)	UK	C. London Business IAP for Central London Organisations' Delivery & Servicing Activity
Maastricht	NL	Incentives based freight management scheme for Wyck district
Parma	IT	Freight management plan for historic (or urban) area
Suceava	RO	Freight management plan for city with emphasis on EV, consolidation and regulation.
Brussels	BE	Expanded pedestrianised zone, micro consolidation centre – both during and post construction works.
Gdynia	PL	Freight management in Market Hall and 2 main retail streets, focus on goods delivery characteristics.
La Rochelle	FR	Enforcement, clean vehicles, Sulp.
Split	HR	Focus on solutions for pedestrianised historic centre and other bottlenecks e.g. East Port.
Tallinn	EE	Freight to/from Port, Evs, research on freight movements
Umeå	SE	Freight management plan for city including demo of waste EV.

Central London URBACT Local Group



Central London Integrated Action Plan



- Business Focussed
- Online Tool to support businesses to change their behaviour to ultimately impact freight movements in central London
- Actions include: retiming deliveries, using zero/low emission suppliers, supplier consolidation, preferred supplier schemes, use of consolidation centres
- Tool is part of wider business engagement initiative



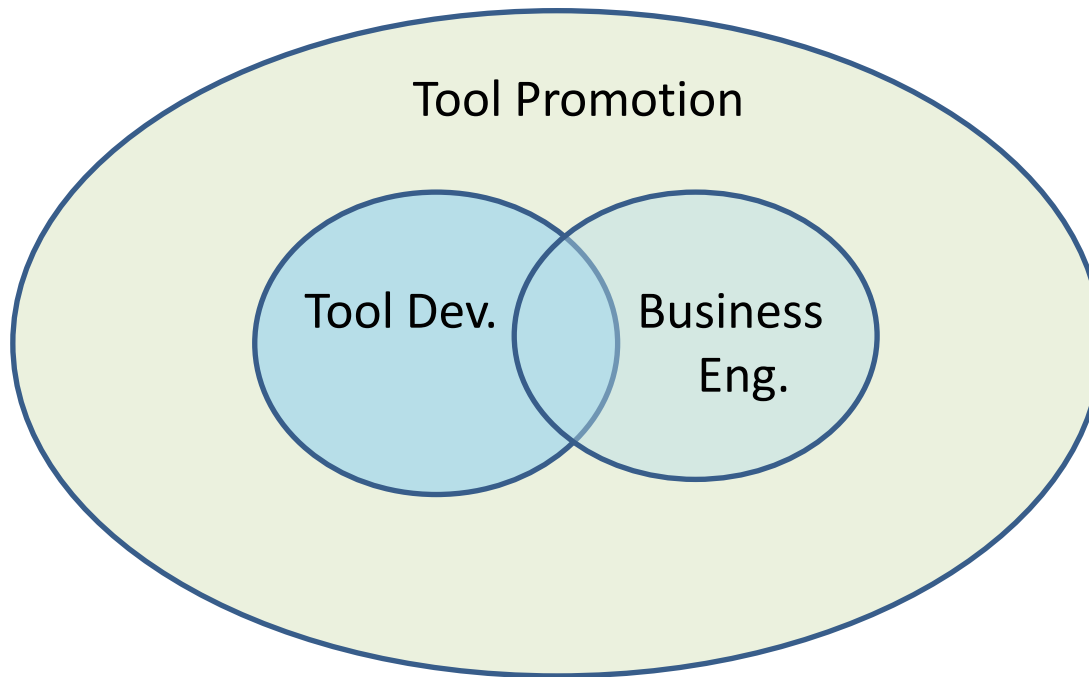
Central London Integrated Action Plan cont...



Central London Integrated Action Plan cont...



Potential types of BID involvement:



Questions for CABB SG



What level of involvement would your BID be interested in?

- **Tool Development:** working alongside CRP to ensure tool promotes your relevant offers to your members. (Oct '16 – Jan'17)
- **Business Engagement:** working alongside CRP supporting your members to implement the actions promoted by the tool. (Mar'17-Mar'18)
- **Promotion:** getting the word out to your members, encouraging uptake of the tool (Mar'17– Mar' 2018)



**Freight
TAILS**

Tailored Approaches for Innovative Logistics Solutions



**CROSS RIVER
PARTNERSHIP**



Freight TAILS



Thank you for listening and participating!



See the draft tool in your December meeting!

Find out more:

Charlotte Knell, CRP Project Manager: cknell1@westminster.gov.uk

www.urbact.eu/freight-tails

@freight_tails



SUPPORTED BY
MAYOR OF LONDON



All CABB Partners

BID & BOROUGH ROUND-UP

A.O.B

- Evidencing AQ interventions – claiming MAQF2
- Next CABB meeting date – 7TH December 2016 (VTBC)

Questions?

Brendon Harper

Air Quality Project Manager
Clean Air Better Business

Email: bharper@westminster.gov.uk

Tel: 0207 6412128 / 07961 605 783



: @CRP_CABB



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Greening the BIDs

Wednesday, 12th October 2016

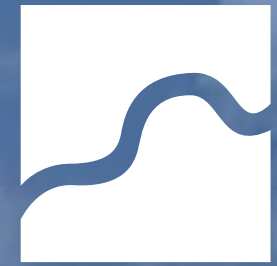
AGENDA

11.00 - 11.05	Introduction/welcome	Brendon Harper (CRP)
11:05 – 11:25	GoApe2o	Anthony Newman (GoApe2o)
11:25 – 11:45	Thames Estuary Partnership	Amy Pryor (Thames Estuary Partnership), AJ McConville (Thames 21)
11:45 – 12:00	Partner Updates / AOB	All

Green Capital

Green Infrastructure
for a future city

SUPPORTED BY
MAYOR OF LONDON



CROSS RIVER
PARTNERSHIP



Presentation for **Greening the BIDs**
by Anthony Newman

Founder: Ape2o

“The future of bottled water”

12th October

Call for ban on disposable bottles

Ben Webster Environment Editor

Disposable plastic drinks bottles would be banned across the European Union to reduce litter and prevent pollution of rivers and the sea, under proposals from

Johnson, father of Boris Johnson and co-chairman of Environmentalists for Europe, said the group wanted an EU-wide ban on "non-returnable bottles" — the plastic ones that are so easy to

Put a lid on it

● In 2013, Concord, a small town in Massachusetts, US, banned the sale

central London to encourage people to avoid buying disposable bottles. The fountains would be installed next summer and could be incorporated into new street sculptures.

San Francisco Becomes The First City to Ban Sale of Plastic Bottles

France becomes the first country to ban plastic plates and cutlery

Sutton considers plastic water bottle ban in municipal buildings

Mayor supports petition by town resident Richard Leclerc to ban 500-ml bottles

By Kate McKenna, CBC News | Posted: May 30, 2018 5:00 AM ET | Last Updated: May 30, 2018 6:30 AM ET



Stay Connected with CBC News



**7 MILLION EMPTY
PLASTIC WATER BOTTLES
ARE THROWN INTO
LANDFILL EVERY DAY**

source: [defra.gov.uk](https://www.defra.gov.uk) and [recycling-guide.org.uk](https://www.recycling-guide.org.uk)

TIME TO GO
APPLE 20



PROPOSITION:
A GUILT FREE WAY
TO GET THE PUREST
BOTTLED WATER
AND HELP THE
ENVIRONMENT.



THE PROBLEM.

HOW DID IT COME TO THIS?

- Plastic bottled water is a bad habit that's only 20 years old
- In the Pacific is a floating island of plastic twice size of Texas
- Bottled water often costs more than milk, even petrol



THE SOLUTION.

DITCH THE PLASTIC, BE A FORCE FOR GOOD.

1. Public vending machines “**Big Apes**” dispense ultra pure water [3-stage reverse osmosis purification]
2. Stylish, 100% plastic free, lifetime-use steel bottles called “**Silverbacks**”
3. 20p, low cost refills, helping to fund Ocean Clean Up projects



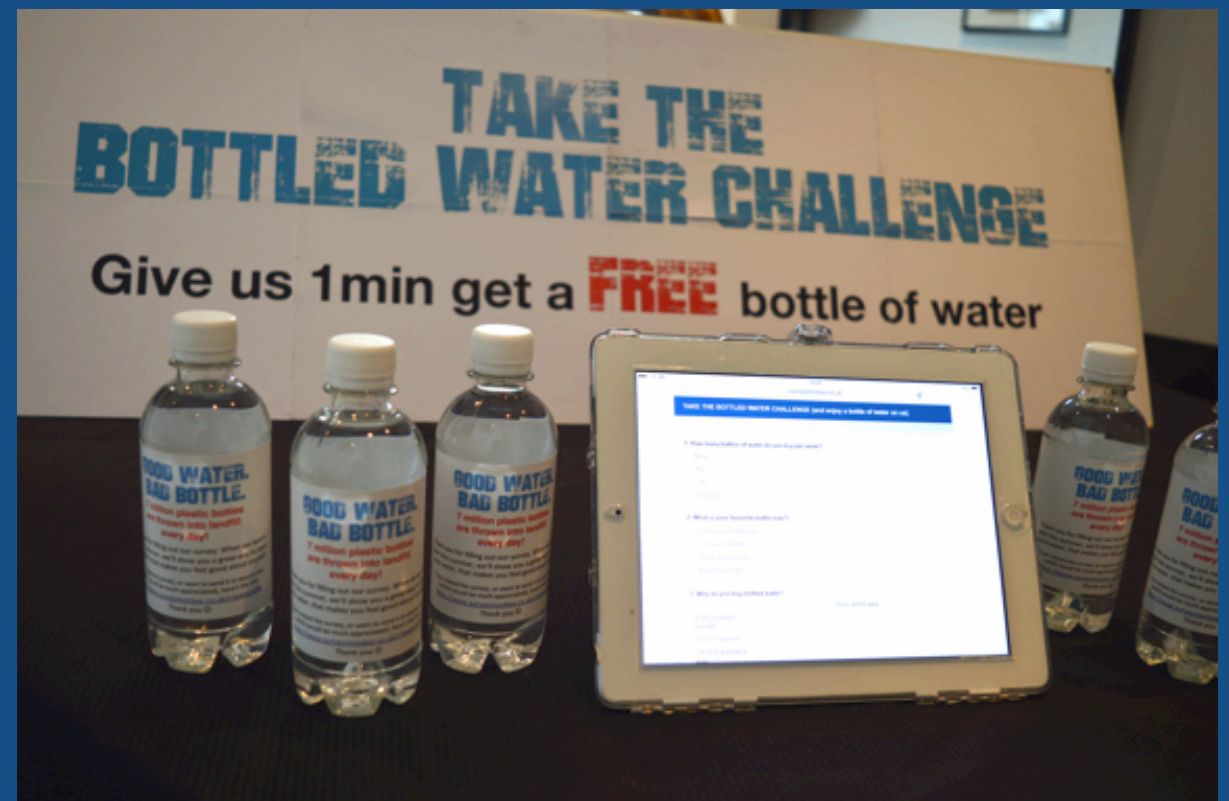
THE OPPORTUNITY.

- UK bottled water market:
 - big (£2 billion)
 - growing (29%: 2014-19)
 - dominated by big brands
- We want to help BIDs drastically reduce their plastic waste and boost their green credentials
- London Survey (Feb 2016):
 - very receptive consumers
 - results overleaf



MARKET RESEARCH. SURVEY RESULTS

- Central London survey, Feb 2016
- 300 respondents answered 9 simple questions about their water habits
- Each got a free bottle of water thank you with label: **“GOOD WATER. BAD BOTTLE”**
- What people said:
 - ✓ 83% would buy an alternative to plastic
 - ✓ 70% would consider quality water vending
 - ✓ 80% appalled by plastic waste
 - ✓ 63% like 500ml & 1L bottles
 - ✓ 80% buy 1 or more bottles per week
 - ✓ 73% prepared to pay >20p per litre
 - ✓ 76% support ocean clean up



THE MODEL

HOW IT WORKS

- We install Big Apes in high footfall locations around your BID
- Only requirements:
 - ➔ 1 sq. metre of free space
 - ➔ Mains water, waste and power
- Costs to BID:
 - Machine cost: FREE
 - Installation cost: ZERO
 - Operating costs: ZERO
 - Servicing costs: ZERO
- Customers pay 20p to refill 500ml (contactless/chip&pin/exact coins)



THE MODEL. BENEFITS

- 15% of water and bottle sales (est. £2-500 per month) per Big Ape
- 40% retailer margin on all bottle sales (on £8 to £37 RRPs)
- 15% of all sales go towards Ocean Clean Up projects (>£3.1m)
- Promote your green credentials: encouraging sustainability
- Attract people to your business. Water buyers often impulse buy
- Our “Find the Ape” app is an advert for your business: free pic/link listing



JOIN THE MOVEMENT

- We launch early 2017 and would love to assist in **Greening the BIDs**
- We will be marketing heavily to consumers with traditional and social media, promoting locations
- We already have commitments from Westminster based partners in the #ONELESS campaign
- Let's show Londoners how to change this bad habit and build a more sustainable future
- We are welcoming expressions of interest now



Thank you for your time.

Contact:

Anthony Newman

info@goape2o.com

+44 (0) 7710 86 85 84

ITS TIME TO GO APE₂O



Green/Blue Infrastructure and #OneLess



Greening The Bid
October, 2016



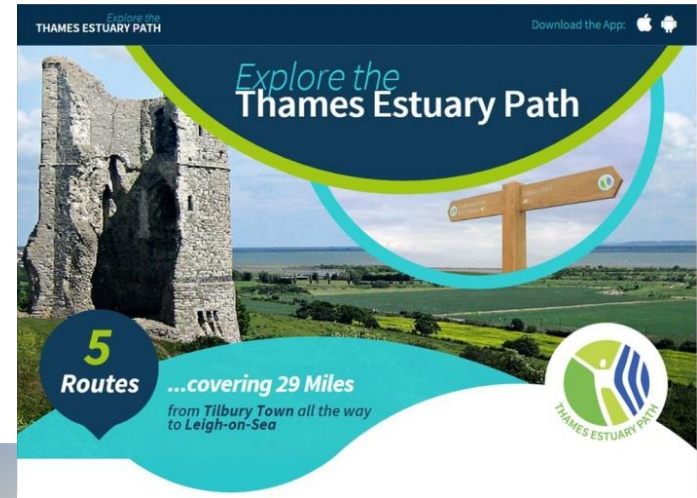


Thames Estuary Partnership

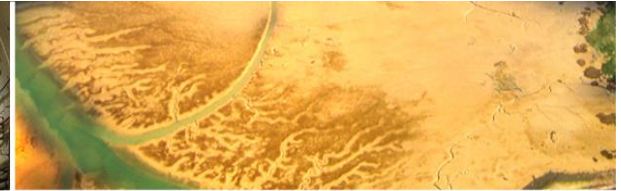
**Coastal
Partnerships
Network**



TEP Stakeholder Engagement



TEP Events and communications



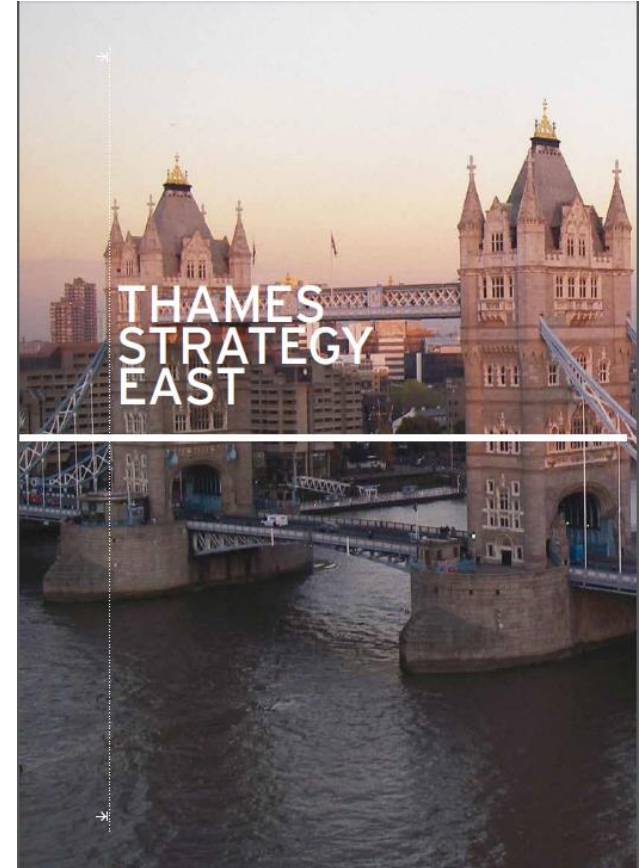
THAMES ESTUARY PARTNERSHIP

INNOVATION ON THE THAMES



TEP and Partners: Strategy and Guidance Documents

- 1999 - *Management guidance for the Thames*
- 2003 - *Tidal Thames Habitat Action Plan*
- 2005 - *State of the Thames Estuary*
- 2006 - *Estuary Edges*
- 2008 - *Thames Strategy East*



TEP and Partners: Strategy and Guidance Documents

- 2008 – *Thames Estuary Path Survey*
- 2009 - *Thames Path – City to Sea*



TEP Project Management and collaboration



NATURE IMPROVEMENT AREA

GREATER THAMES MARSHES

Thames Gateway
Local Nature Partnership

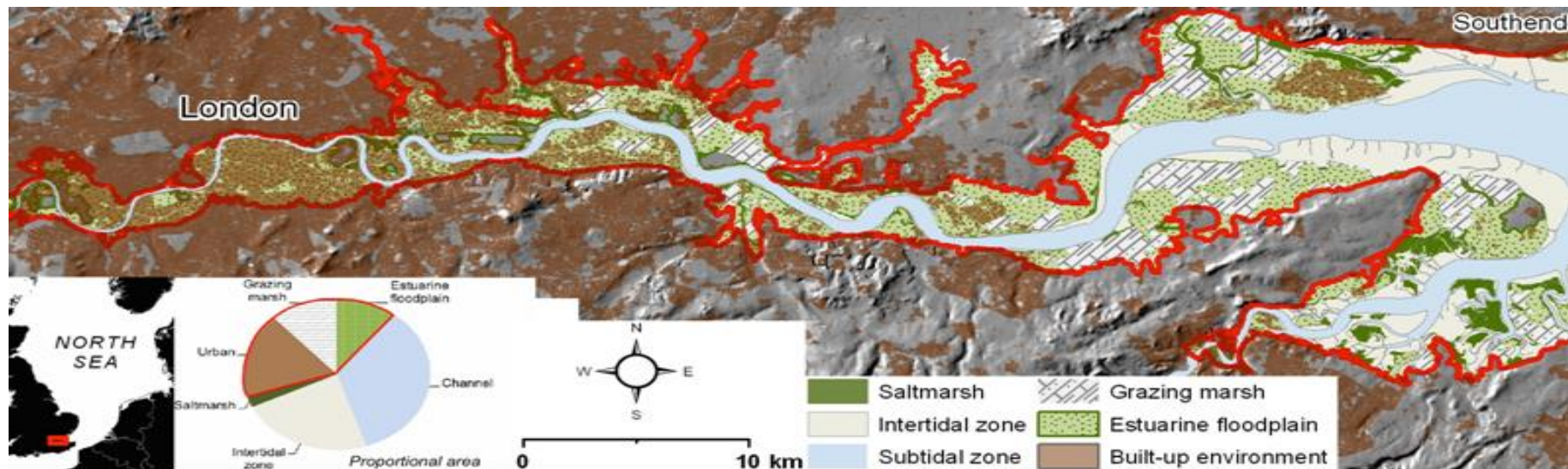


#OneLess

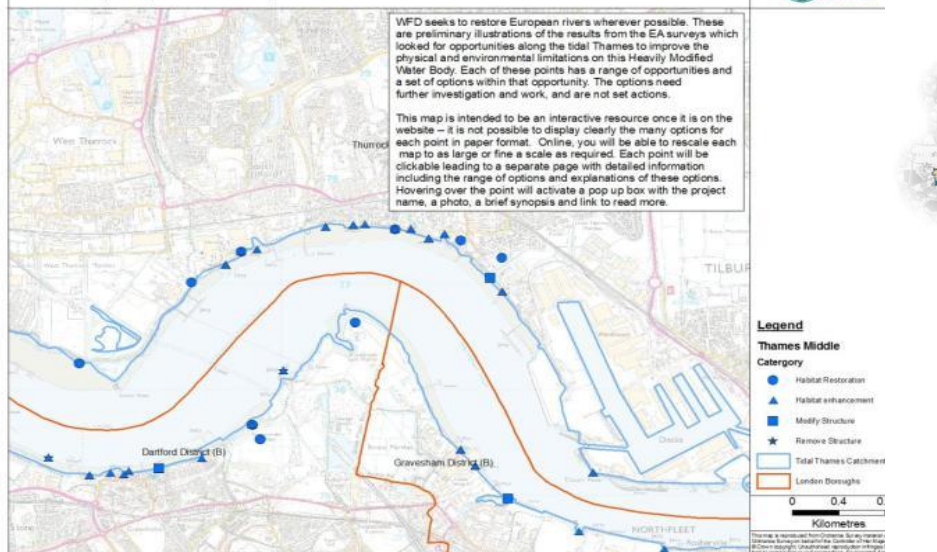


YOUR TIDAL THAMES

TEP Research and Data



Morphology: Initial Results from EA Surveys Indicating Sites where Multiple Improvements may be Possible



Current Natural Capital



CURRENT ASSETS

This map shows the main areas and typologies of natural infrastructure occurring in the Thames Estuary Partnership Area and their distribution across the urban and rural landscapes



Bats in Richmond



Two challenges for the Tidal Thames

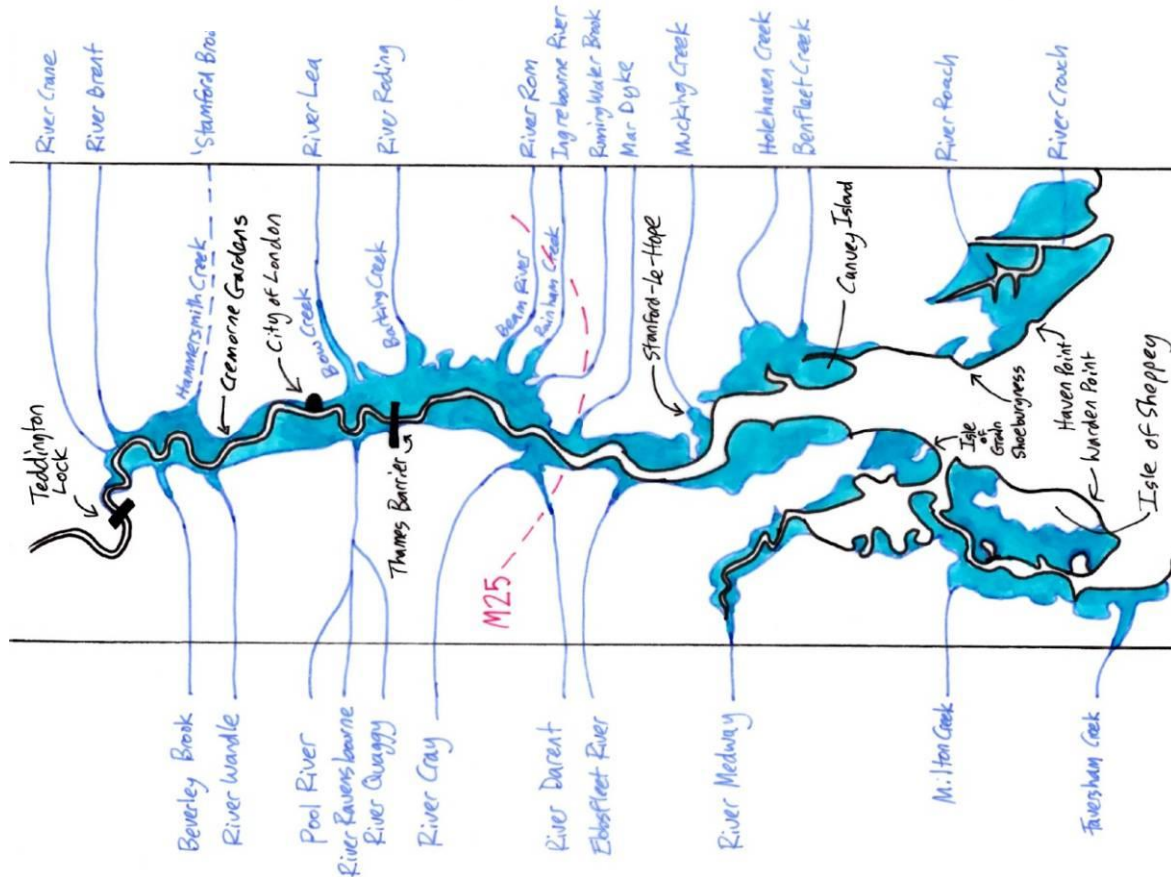


The (River) Thames Estuary

The Territory

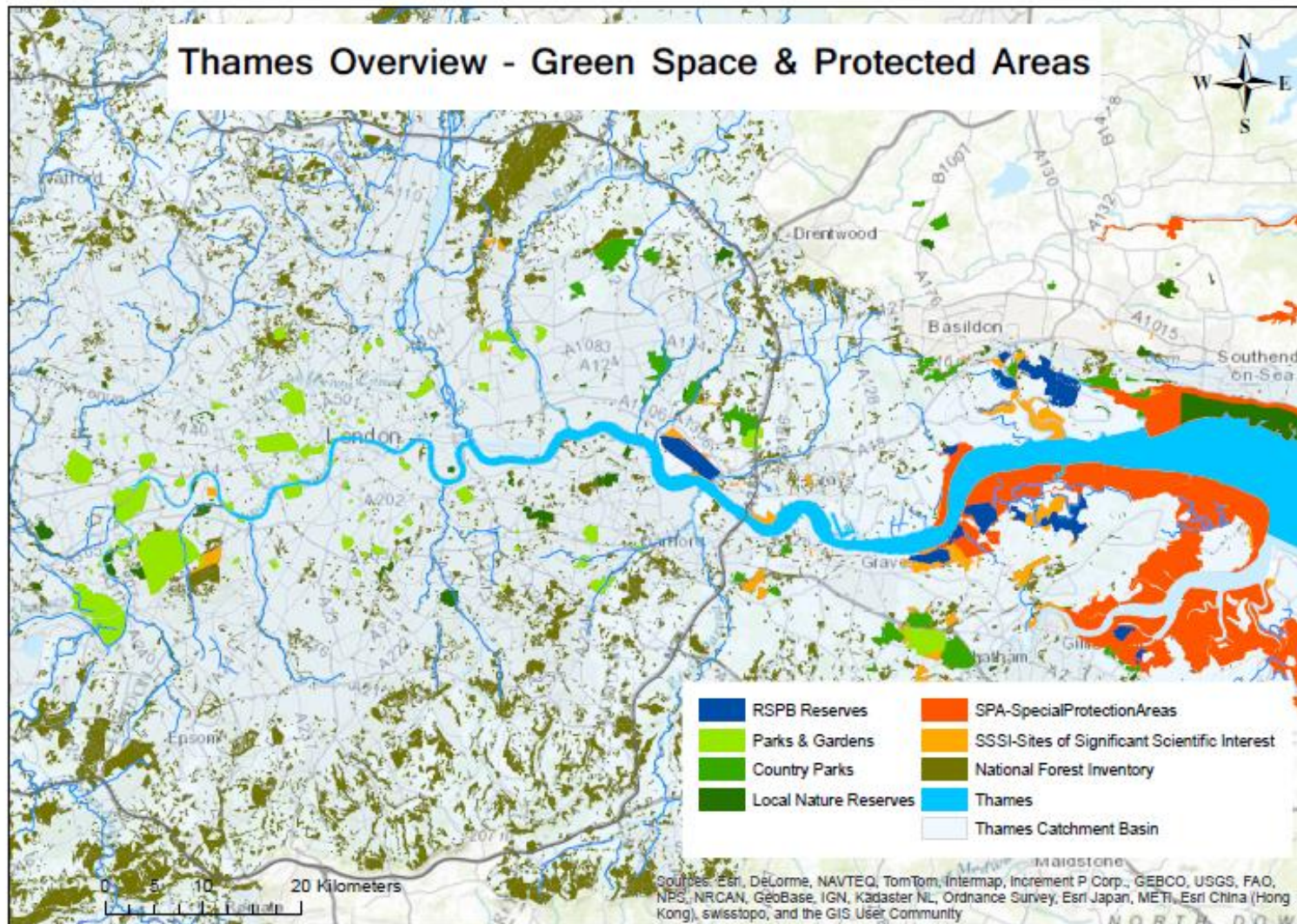
- Tideway: 160 km
- Canalised tributaries
- Flood plain (blue)
- 130 km River walls
- 9 Flood barriers
- Similar European Rivers:

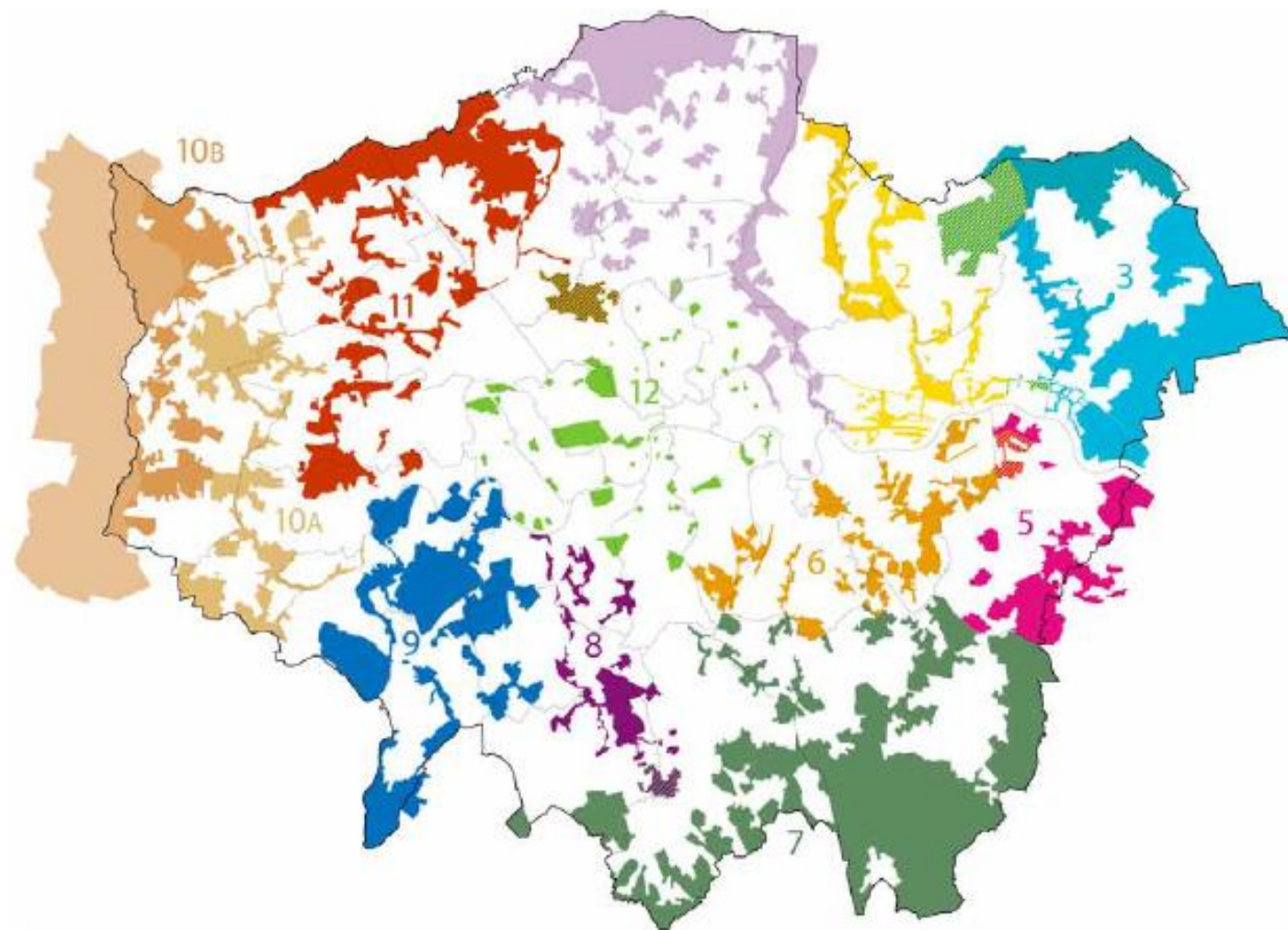
- Elbe
- Weser
- Rhine
- Scheldt
- Humber



What flood defences protect





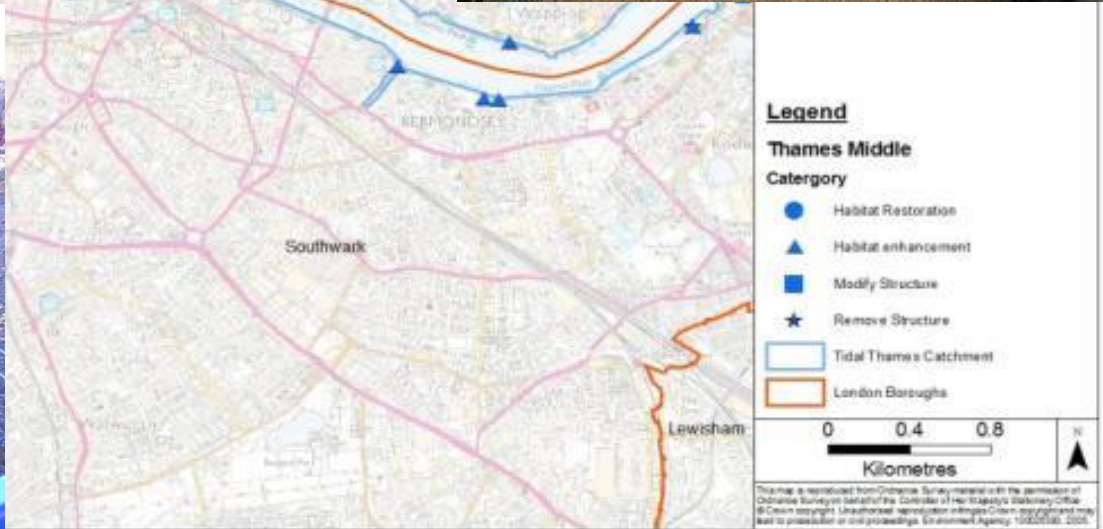


The ALGG SPG proposes that London be divided into eleven Green Grid Areas as illustrated above. The formation of ALGG Area steering groups bring together the London boroughs, representatives of partner agencies and other stakeholders to develop and implement the Green Grid vision, objectives and projects, area by area.

- | | |
|--------------------------------------|------------------------------------|
| 1 Lea Valley and Finchley Ridge | 7 London's Downlands |
| 2 Epping Forest and River Roding | 8 Wandale Valley |
| 3 Thames Chase, Beam and Ingrebourne | 9 Arcadian Thames |
| 4 Is now absorbed in Area 2 and 3 | 10 River Colne and Crane |
| 5 River Cray and Southern Marshes | 11 Brent Valley and Barnet Plateau |
| 6 South East London Green Chain Plus | 12 Central London |

Riverside and river wall habitat enhancement opportunities

Morphology: Initial Results from EA Surveys Indicating Sites where Multiple Improvements may be Possible

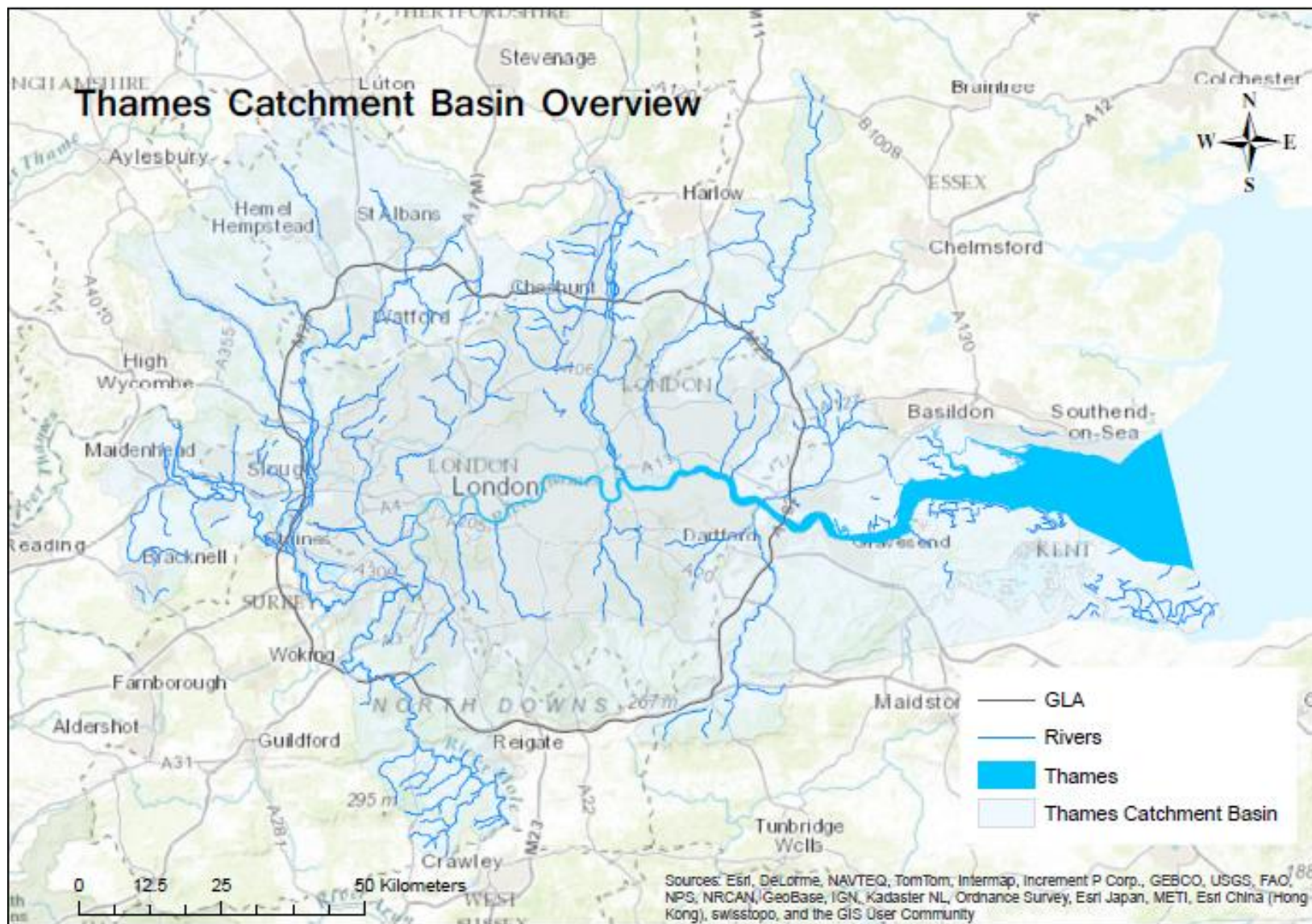


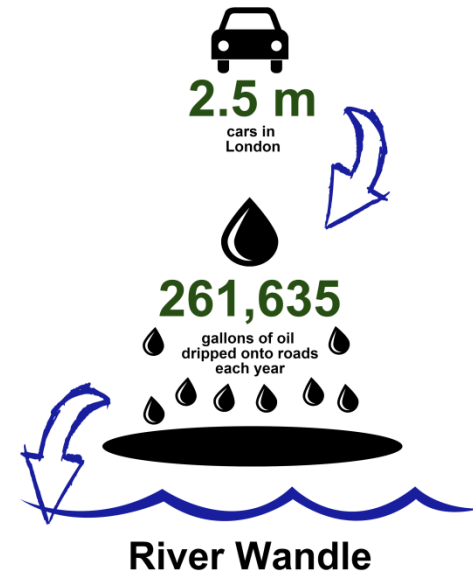
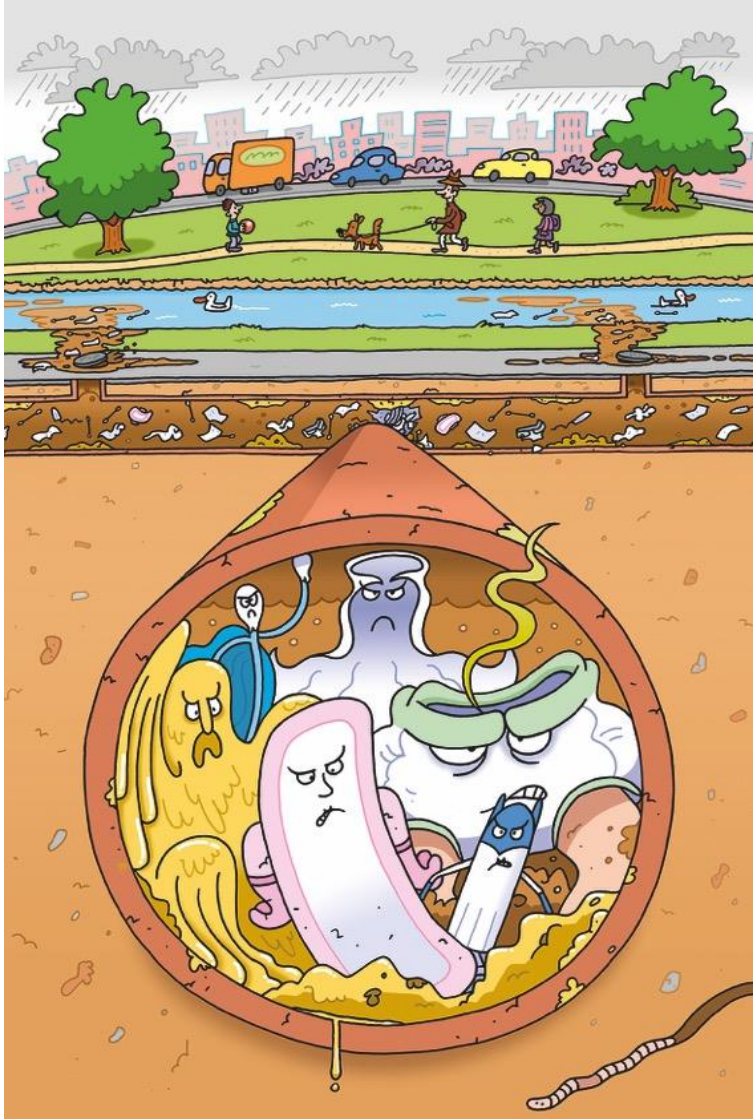
London-on-Sea!

London is a coastal city linked to the Ocean through the River Thames



The (River) Thames Estuary





MAIN ORIGINS OF LITTER

- Food related 74% - including packaging, bottles, cups
- Toiletries 15%
- Non-food related packaging 6%
- Smoking related 5%
- Clothing 0.5%



* Toiletries = predominantly cotton bud sticks, wet wipes & sanitary products; all likely to originate from sewers



**We produce mountains of plastic,
in fact nearly 300 million tonnes
every year**



**That is equivalent to the
weight of all the adults
on the planet**

- 93 per cent of packaged water is in Plastic
- UK market forecast to grow to £2bn by 2017
- Recycling does not address the main issue of plastic bottles and using it to make one use throwaway items.
- Every day in the UK we use 15 million, in London 2 million







SINGLE-USE PLASTIC WATER BOTTLES: 'SO LAST SEASON' FOR A REASON

HELP TO REDUCE PLASTIC POLLUTION IN OUR OCEANS



Project Ocean 2015 removed all single use plastic bottled water in Selfridges' own bought and concession ranges.

Innovative collaborative
project to transform London
into the first capital city free
of single-use plastic water
bottles by 2021



CALOUSTE
GULBENKIAN
FOUNDATION



#OneLess

London is a coastal city, linked to the ocean by its river.

Acting like an artery, the Thames transports oxygen, water, clean air, fish, nutrients and weather from the ocean to the city to make it habitable and healthy. As Londoners, our lives are inextricably linked to the ocean.

Through the Thames we breathe in the ocean every day.

! Plastic in all its forms is poisoning the ocean, killing marine creatures and sea birds

! A plastic water bottle, made to be used once and then thrown away, will take 450 years to break down into plastic particles that persist in the ocean for hundreds of years

! In the UK we get through 13 billion plastic bottles each year – over 200 per person


because everything we do touches the ocean
marinesafe.org





#OneLess



**Become
part of the
solution**

 Make a personal commitment to stop using single-use plastic water bottles, replacing these with a refillable bottle

 Make the #OneLess pledge: Take a selfie with your refillable bottle and tweet your pic using the hashtag #OneLess tagging @OneLessBTL

 Ask the new London Mayor or your local MP to make single-use plastic water bottles a priority issue

www.zsl.org/oneless

It's a small step that makes a big difference.



a.pryor@ucl.ac.uk
www.thamesestuarypartnership.org
www.coastalpartnershipsnetwork.org.uk

Partner updates & A.O.B

Verbal Updates – All

Contact:

Brendon Harper
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Clean Air Better Business
Email: bharper@westminster.gov.uk
Tel: 0207 641 2128 / 07961 605 783

Next GtB meeting date
7th December 2016 (VTBC)