



Annual Report 2021 - 2022
Business Plan 2022 - 2023

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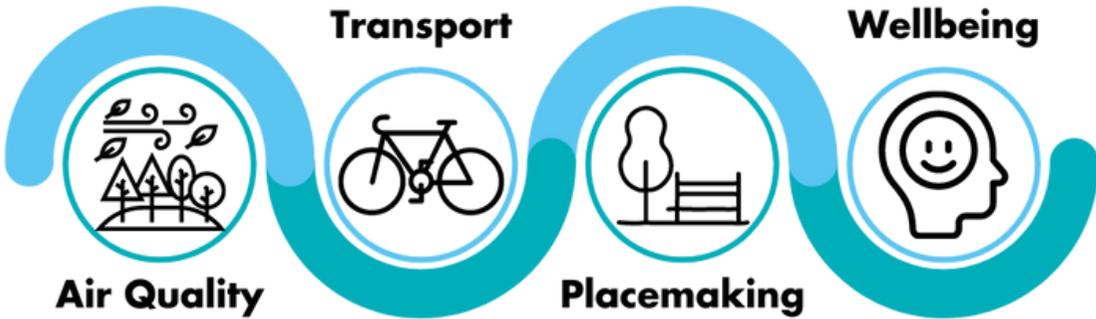




1. About CRP & Vision

Cross River Partnership (CRP) delivers environmental, economic and community-focused projects. We support public, private and voluntary organisations to address creatively challenges around Air Quality, Transport, Placemaking and Wellbeing.

We are experts in delivering positive change. CRP has a history of over 27 years of achievements, spanning public, private, voluntary and community sectors.



CRP Team

CRP is a small partnership organisation with a big impact. CRP continues to work flexibly as we emerge from the pandemic to deliver environmental projects. The team consists of 12 members:

- | | | |
|--|--|--|
|  Carol Quamina
Operations Manager |  Isidora Rivera Vollmer
Project Officer |  Ross Phillips
Sustainable Transport Manager |
|  David Ebbrell
Project Officer |  Jack Alexander
Project Officer |  Sefinat Otaru
Project Manager |
|  Eleanor Marshall
Project Officer |  Kate Fenton
Project Manager |  Suhad Curran
Intern |
|  Fiona Coull
Project Manager |  Rachael Aldridge
Communications Project Manager |  Susannah Wilks
Director |

CRP Partners

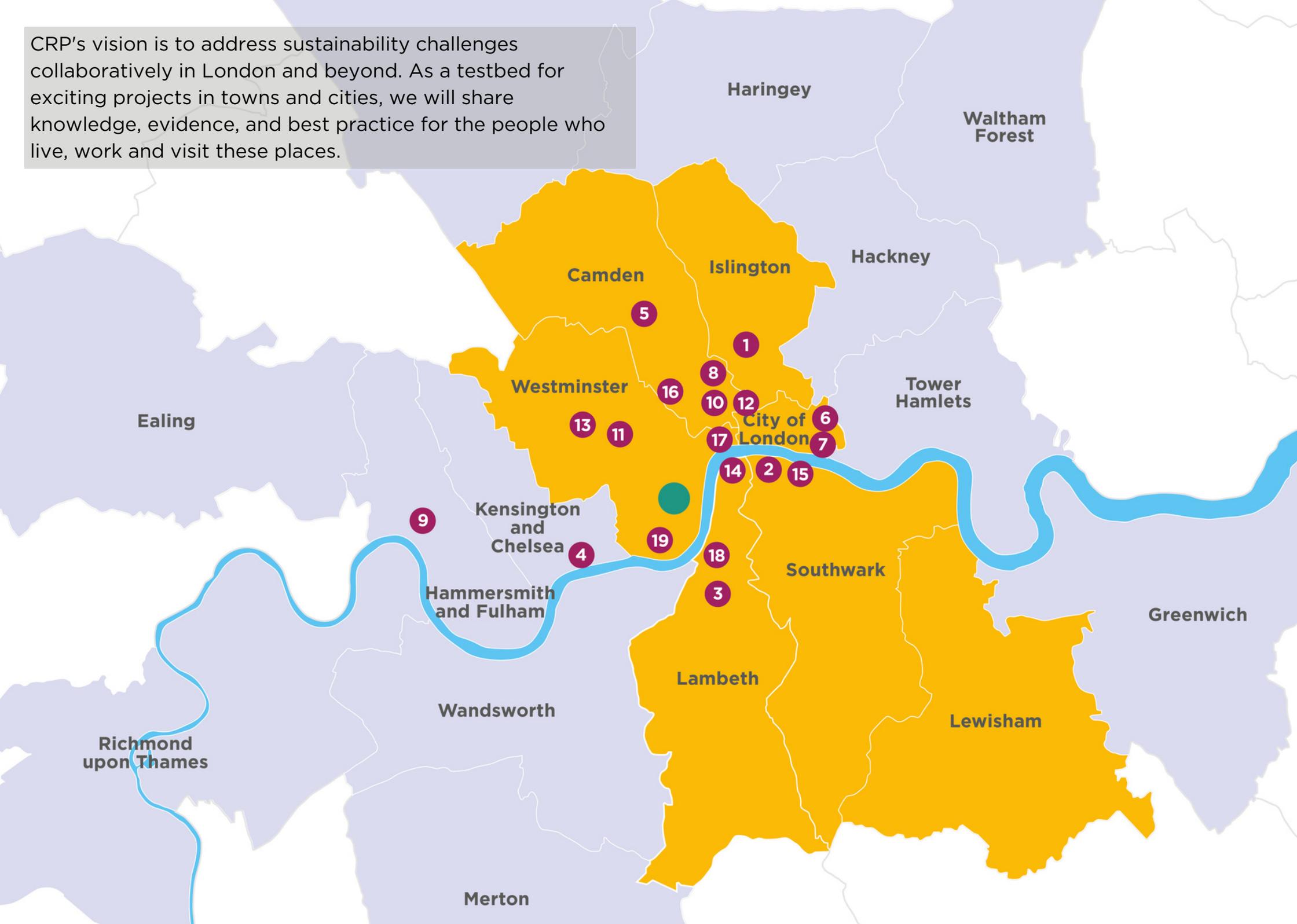
CRP Private Sector Partners CRP Local Authority Partners

- | | |
|---|---|
| <ul style="list-style-type: none"> • Angel London • Better Bankside • Brixton BID • Cadogan • Camden Town Unlimited • Central District Alliance • Cheapside Business Alliance • Eastern City Partnership • Euston Town BID • Hammersmith BID • Hatton Garden BID • South Bank BID • Team London Bridge • The Fitzrovia Partnership • The Northbank BID • Vauxhall One • Victoria BID | <ul style="list-style-type: none"> • City of London Corporation • London Borough of Camden • London Borough of Hammersmith and Fulham • London Borough of Islington • London Borough of Lambeth • London Borough of Lewisham • London Borough of Southwark • Royal Borough of Kensington and Chelsea • Westminster City Council (Cross River Partnership's Accountable Body) |
|---|---|

CRP Strategic Agency Partners

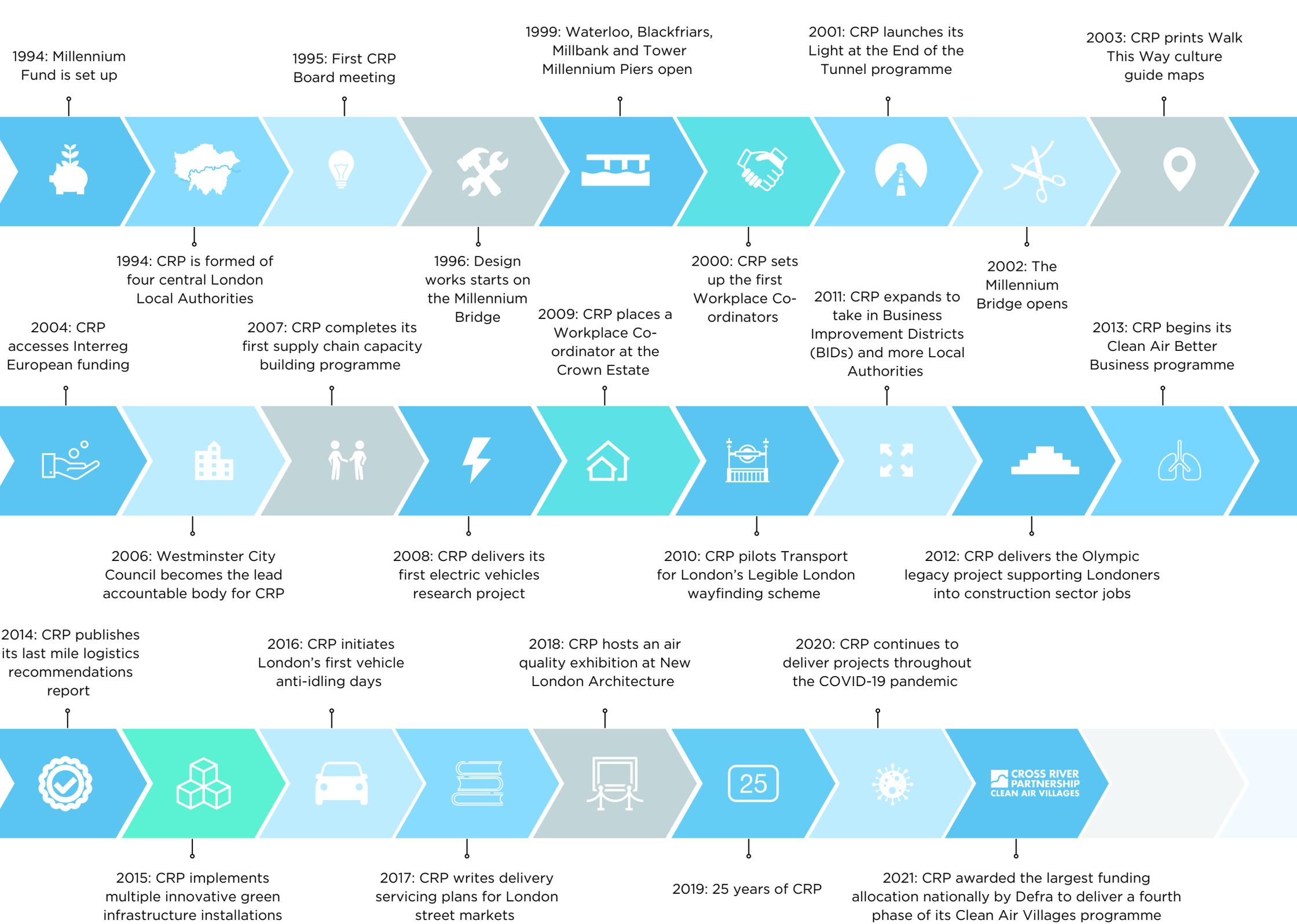
- Greater London Authority
- Groundwork London
- London & Partners
- Network Rail
- Port of London Authority
- Transport for London

CRP's vision is to address sustainability challenges collaboratively in London and beyond. As a testbed for exciting projects in towns and cities, we will share knowledge, evidence, and best practice for the people who live, work and visit these places.





2. CRP Timeline





3. Climate Change & COVID-19 Context

COVID-19 and opportunities

COVID-19 has caused abrupt changes to people's lifestyles. Villages, towns, cities, and countries locked down in early 2020 to reduce personal contact and viral transmission. As a result, cities worldwide emptied and became barren areas where little life or activity took place.

The global COVID-19 pandemic has forced governments to reflect on their vulnerability and resilience to future environmental, social, and economic disruptions. This discussion has created a renewed focus on sustainable recovery plans from COVID-19.

In line with London's 2030 net-zero strategy and the urgency of the current climate crisis, now more than ever, London is presented with wide-ranging opportunities to implement innovative and ambitious projects for a green recovery.

Climate change and the need for action

Climate change is defined as any change occurring to the planet's climate either permanently or for long periods [1]. Anthropogenic climate change results from human impacts on the Earth's climate. It is directly linked to activities such as burning fossil fuels and land-altering activities such as agriculture and deforestation [2]. Burning fossil fuels produces greenhouse gases, like carbon dioxide, which act as a blanket, trapping some of the heat that Earth might have otherwise radiated out into space [3]. By increasing the heat in the atmosphere, greenhouse gases are responsible for the 'greenhouse effect', which ultimately leads to global warming [4].

Anthropogenic climate change and global warming are responsible for unusual overall sea-level rise, temperature rise, melting ice sheets and glaciers, ocean acidification, and increased extreme events such as stronger hurricanes.

To tackle climate change, 196 global leaders signed the Paris Agreement. The Agreement is a binding international treaty on climate change, adopted at the 2015 United Nations Climate Change Conference, COP 21, and entered into force in 2016 [5]. The global Paris Agreement goal is to keep global warming 'well below 2°C' and pursue efforts to limit it to 1.5°C. As the global average temperature has already warmed by 1°C since 1850, limiting warming to 1.5°C [6] equates to only a further 0.5°C of warming.

Limiting warming to 1.5°C can only be attained if global emissions reach their peak immediately and then decrease rapidly, halving by 2030 and reaching net-zero by 2050 at the latest [7]. This is only possible if we shift from our business-as-usual to a new zero-carbon society. We already have the tools to implement most of the solutions. These include reducing fossil fuel usage, cutting emissions from agriculture through new practices, enabling plant-based diets, increasing energy efficiency, creating zero-carbon transport and heating systems, as well as embracing circular economy models and renewable energy [8].



If global warming exceeds 1.5°C, we face dangerous consequences. At 2°C of warming, there will be even severer heatwaves, droughts and wildfires, extreme sea-level rise resulting in flooding of many coastal regions, extreme precipitation and tropical cyclones, loss of species and habitats, and more [9]. Global warming can also trigger a domino effect leading to irreversible damage and, ultimately, the radical destabilisation of life on Earth.

London's air pollution problem

The current air pollution crisis, especially in large cities, is not only putting ecosystems and residents' health at risk but also fuelling global warming [10]. Long-term exposure to polluted air is causing around 9,400 premature deaths in London alone [11]. Due to the Urban Heat Island effect, this city is already up to 10°C warmer than the rural areas around it - and this will only continue to rise in the coming years [12]. Meanwhile, the total population in London is projected to increase to 10 million inhabitants by 2035 [13].

The more the population grows, the more urgent the air pollution crisis becomes. Traffic-related pollution is often the main source of harmful air pollutants, such as NO2 and PM10. Nitrogen dioxide (NO2) is a toxic gaseous pollutant. PM10 particles are primary particles (diameter: 2.5-10µm) released directly into the atmosphere [14].



COP26

At COP26, the 2021 UN climate conference in Glasgow, 197 nations met to keep the Paris Agreement's aim to limit global warming to 1.5°C above preindustrial levels alive. To achieve this, all member states agreed on the Glasgow Climate Pact, which states that carbon emissions will have to decrease by 45% by 2030 [15]. To achieve this, for instance, at least 6 major automakers and 30 national governments - excluding the USA, China and Japan - have pledged to phase out gasoline- and diesel-powered cars and vans by 2040 [16].

However, COP26 was not able to tackle some important topics. For example, wealthier nations did not answer poorer and vulnerable nations' calls for financial aid or offer compensation for their impacts on the climate. Moreover, some coal-reliant countries stated that they will not stop using coal until the 2040s or later [17].

The ultimate success of COP26 depends on whether nations act on these pledges and if these translate into detailed plans and meaningful measures.

CRP's work

CRP's projects aim to enable breaks from business-as-usual, motivating partners to test innovative initiatives that, ultimately, tackle some of London's environmental challenges. CRP targets public and private sector bodies, such as local authorities, BIDs and businesses, and encourages them to decrease their emissions, take responsibility and consider sustainable solutions.

CRP's work addresses mode shift, circular economy, sustainable behaviour change, improved air quality, renewable energy, and generally healthier streets.

CRP Press Coverage

- March 2021: [Air Quality News](#) - Cargo Bikes - The Future of Zero Emission Last-mile Deliveries
- March 2021: [Air Quality News](#) - New Clean Air Villages will improve London's air quality
- March 2021: [Hammersmith BID](#) - Cross River Partnership secures funding for Clean Air Villages 4
- March 2021: [London News Online](#) - New Clean Air Project Funded by the government announced
- March 2021: [CiTTi](#) - London Clean Air Villages project delivers Sustainable Freight Solutions
- April 2021: [Transport Extra](#) - E-cargo bike deliveries making sense for businesses
- June 2021: [Vivacity Labs](#) - Cross River Partnership Showcases the Impact of Street Interventions Across London
- August 2021: [CiTTi](#) - Northbank BID offers free cargo bike courier service for zero-emission deliveries
- August 2021: [Air Quality News](#) - New project will monitor pollution on the River Thames
- August 2021: [Automation](#) - EMSOL selected by the Cross River Partnership to monitor air pollution and noise levels associated with river freight activity on the River Thames
- September 2021: [bikebiz](#) - Vivacity Labs teams up with CRP to improve school street safety in Hackney
- September 2021: [OnLondon](#) - How can London create a more sustainable system for freight?
- September 2021: [GOV.UK](#) - £9 million fund for local authorities to tackle air pollution
- October 2021: [Apex Insight](#) - London ULEZ rules tightened on PHEVs
- October 2021: [Evening Standard's The Leader podcast](#) - London's ULEZ Expansion: Why is it needed?
- October 2021: [Public Sector Executive](#) - Recognising the Importance of Air Quality in London
- November 2021: [FleetNews](#) - ULEZ expansion to cost fleet £54m, says Masternaut
- January 2022: [FleetNews](#) - Get smart to manage future electric vehicle charging demands





4. Testimonials

I am delighted to be writing this introduction from such a positive perspective after the years we've all just lived through. CRP has weathered the storm incredibly well. From cutting annual fees to support our BID partners to cutting our coat according to our cloth in terms of costs, we've managed to maintain and often enhance our support to you and our projects throughout. Working to support the climate emergency remains a top priority for us all and our unique history of utilising our role within the public/private sphere has made it possible. Being part of the CRP Board has become one of the proudest parts of my working life and I hope you all appreciate, as much as I do, our relationships and the support we all receive from our wonderful team. 2022 is going to be another year of challenges and rewards. Let's get to it!

Simon Pitkeathley, CRP Co-Chair,
CEO, Camden Town Unlimited & Euston Town BIDs

The Port of London Authority has worked with Cross River Partnership through the development and implementation of innovative projects to tackle London's environmental challenges and to secure modal shift. The PLA supports CRP's vision across London to promote the sustainable use of the River Thames to help tackle the climate emergency.

James Trimmer, Director of Planning and Development,
Port of London Authority

Cross River Partnership brings people together across London, across sectors and across communities to develop and deliver far reaching and sustainable ideas and projects. This collaboration ensures a London for all that live, work and visit our capital.

Keith Bottomley, CRP Co-Chair, Vice Chairman of the Policy and Resources Committee Chairman, Port Health and Environmental Services Committee

At Central District Alliance, we are proud supporters of the work CRP have done, and continue to do, across London. We are working directly with the CRP team on delivering the Clean Air Villages 4 programme, which will have a direct impact on air quality in the capital. We are committed to working in partnership with organisations like CRP and will champion their work alongside CDA's own sustainability priorities. The work they do to bring the London BID community together on key issues such as climate resilience is incredibly valuable, not least as the capital city is pulling together more than ever in response to the COVID pandemic.

Debbie Akehurst, Chief Executive, Central District Alliance

CRP is a vital partner for innovators and they have given EMSOL the opportunity to prove our pollution solution in a new environment – along the River Thames. The Clean Air Villages 4 project is an important test bed for the future of freight movements in our cities and will be the exemplar evidence and solution that we can roll out across London and take to other cities.

Freddie Talberg,
CEO and Co-Founder, EMSOL

ecofleet moved into its warehouse in Battersea in August 2019 and began operating as one of London's last mile zero emission cargo bike delivery service providers. In October 2019 Cross River Partnership passed by for a visit and since then an amazing collaboration has ensued, taking our team of riders to five south London boroughs, covering 2,003 miles, with a savings of 797 kg CO₂e emissions. This would be equivalent to charging 96,913 mobile phones. At the time, as newcomers to this industry, CRP's belief in our work, gave us not only validation of our mission but also marked them as one of our first valued clients. Serving the various London Boroughs including Westminster, Lewisham, Merton, Richmond-upon-Thames and Wandsworth has been highly rewarding, knowing that the CRP team is doing its best to investigate, identify, educate and thereby help improve London air quality through great collaborations not just with ecofleet but other bike operators in the greater London area. Clients in this area have had the chance to try an alternative means of transport replacing polluting vans and lorries and some have become clients going forward.

Farah Asemi, Founder and CEO, ecofleet mindful delivery

It's been great having the support of the CRP team. Their work exploring the possibility of implementing a micro-consolidation hub in West London for Museum deliveries is of real value and wouldn't have happened without them. We're really looking forward to the outcomes of this study.

Kimberley Lewis,
Environment and Sustainability
Officer, Natural History Museum

I'm looking forward to another year of collaborating with our partners to bring positive change to London. Together we tackle many projects, including air quality, greening spaces, reducing congestion, cultural endeavours, active travel and more. It's gratifying to see our work take shape and improve the quality of life for Londoners, and even better when it serves as a template for other cities.

Sefinat Otaru, Project Manager,
Cross River Partnership

CRP continues to go from strength to strength. We are extremely grateful to all of our funders, partners and associates for their ongoing support. The need for collaboration has never been stronger. I know we will all rise to the challenges of doing our bit to address environmental and economic issues effectively in London and beyond.

Susannah Wilks, Director, Cross River Partnership



5. Achievements 21/22

Clean Air Villages 4

 208 Meetings	121 Meetings	Emissions savings: 275,212g NOx 151,215kg PM 2.5 109,450kg CO2	
4 cargo bike schemes delivered in Barnet, Camden BID, Lewisham and Merton	11 new CRP Clean Air Villages Directory pages		
14 telematics dongles distributed to measure freight delivery patterns	466 cargo bike hours used		
 6 toolkits 4 case studies	55 businesses contacted in Dartford about CAV4/river freight		
2 The Fitzrovia Partnership and South Bank BID have vehicle, cycling and pedestrian Vivacity monitoring and CRP reporting	1 River freight study Rail freight study Walking freight study		
3 air quality and noise monitors for CEVA and GSTT river freight project	248 rapid chargers added to the Urban Logistics Hub Map		
1/3 re-useable container scheme(s)	1 Click.Collect tool update		
 Quarterly steering group meetings	 Quarterly monitoring reports and claims to Defra		
1 feasibility study into clean last-mile deliveries	 Dial shifted in terms of innovative approaches to managing freight in London		

Shepherd's Bush Shared EV

1 shared electric vehicle launched in Shepherd's Bush		 Engagement with local businesses to sign up to the scheme
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Clean Air Villages 3

1 online emissions calculator tool launched (Clean Air Tool)	3 cargo bike schemes continuing to be promoted		 Final report completed and submitted to Defra
3 electric vehicles leased by a hospital, following dongle work	Emissions savings: 359.88g NOx 201.45kg PM 2.5 144,190kg CO2		 Quarterly steering group meetings with stakeholders

Clean Air Thames

Quarterly steering group meetings		Presented at a CRP Lunchtime Launch session	Post retrofit exhaust monitoring of Round 1 vessels
Communication of results to stakeholders		Completion of Round 1 vessels retrofit	Lessons learnt to inform technicalities of future vessel retrofits

Central London Sub-Regional Transport Partnership

3 guidance documents launched that deliver guidance support for central London boroughs on streetscapes, electric vehicle charging and accessibility	6 Urban Logistics Hub have been listed on the Urban Logistics Hub Map	 - The Lived Experience of Our Streets Report - Vision Zero Study
	Rapid charging hubs in London added to the urban logistics hub map website	Monthly borough partner meetings

EV Fleet-Centred Local Energy System (EFLES)

 Presented at conferences throughout the year, including COP26 and a Lunchtime Launch session	 Publications on project development and results produced	 Simulation and trialling of charging software (Moixa)
	10 new chargers installed at Camden site for pilot	 Created and launched an animated video introducing the project

Healthy Streets Everyday

Healthy Streets Everyday Guidance Documents:

- Global Streetscape responses to Covid
- Greening Out the Grey
- Meaningful Monitoring
- Creating Parklets for Community and Business Resilience

4

240m2 pocket park, Mellison Road, Wandsworth. It replaces a car park and includes climate adaptation measures - rain garden, play equipment and seating

2

parklets and nature walk in three schools in London Borough of Merton

King's Road Christmas Lights Switch On



200 metres of road closed
75,000 visitors
60 market stalls
9% NOx reduction
Fireworks, performers

Mural Campaign

159 mural submissions
11 schools to support Car Free Day
3 artists commissioned



Planting installed: Duke of York Square, Cadogan, and Chapel Market, London Borough of Islington

HSE has helped to fund comms activities, ANPR cameras, monitoring and evaluation measures associated with partner School Streets

HSE has been associated with several partner streetscape improvements including Old Bethnal Green Road in Tower Hamlets



Quarterly monitoring reports submitted to funder



Quarterly steering group meetings with 19 Healthy Streets Everyday Partners



End of year 2 report submitted to funder

South Bank BID Vivacity Monitoring



Data analysis and reporting

Quarterly reports associated with 5 sensors in the South Bank BID area

20

reports to help South Bank BID with future planning of streetscape schemes/ interventions to improve air quality and reduce vehicular traffic

The BID has asked to extend the contract for another year. South Bank BID is also considering installing more sensors across their areas

CRP-Wide

12

Lunchtime Launch Events

1,074

attendees

21

external speakers

1,100

YouTube views

11

CRP speakers

CRP's Lunchtime Launch series was implemented following the success of the 2020 LiveShare series. These events formed a digital knowledge sharing series, all recorded and saved on CRP's YouTube channel.

All sessions addressed air quality and supported Clean Air Villages 4. The strong levels of over 1,000 attendees for the 12 sessions demonstrate demand for such digital events. Held on the last Thursday of each month, the sessions were interactive online discussions that showcased innovative projects that CRP is delivering to drive positive change for London's residents, businesses and visitors.

CRP's current programme of events is 'CRP's Connect 4 Series'. This is a further opportunity for CRP to share best practices and bring people together. These are monthly events with expert speakers through a mix of online, hybrid and in-person formats.

CRP at Events



This year, CRP team members have presented at:

Chartered Institute of Environmental Health Air Quality Conference	E-cargo Bikes in Action
Fitzrovia Sustainability Forum	Association of Town and City Management (ATCM) meeting
Air Quality Forum 2021	Greater London Freight Partnership
Quarterly sustainable forum with museums	Angel BID sustainability forum
Hammersmith BID Transport Forum	Central London Freight Quality Partnership (CLFQP)
London Technical Advisors Group (LoTAG)	Federation of Small Businesses: London Net Zero Roundtable Series: Your Countdown to COP26
The Local Government Climate Action Conference 2021	Future Cities Forum on Achieving Net Zero
Small Business Saturday: The Tour 2021	Eastern City Partnership Board meeting



6. Targets 22/23

Strategic

Act on recommendations set out in CLSRTP reports	 Apply for one award per quarter
 Complete Clean Air Thames project	 Complete Clean Air Villages 4 project
 Complete Healthy Streets Everyday project	Continue to become Climate Emergency Champions
Continue to work with partners who have declared a climate emergency	Continue to work with both London-based and global thinktanks
Deliver monthly events to facilitate knowledge sharing and networking	 Deliver 5 CRP social media campaigns
Develop new income streams	 Educate on ULEZ
Enable business savings through CRP tools including Clean Air Tool	Engage with partners to influence change across London
Explore new media forms for CRP comms, including videos and podcasts	 Explore residential electric vehicle capacity
 Influence future external policy documents	 Launch new CRP digital tools
Lead by example as an outstanding employer	Pioneer new ways of working
 Present at new events	Publish reports for data analysis services, based on partner needs
Secure 2 new partners for CRP	Shape Mayor of London proposals
 Share learnings and best practice	 Submit 3 new funding bids
Support Sustainable High Street Recovery	Support the UN Sustainable Development Goals
 Support wellbeing through encouraging active travel	

Clean Air Villages 4

 Launch web-based freight management platform	Implement wrap-around Air Quality monitoring system	Produce specifications requirements for urban micro distribution hubs
 Submit final achievements report to DEFRA	 Hold final Partners Steering Group Meeting	Develop innovative air quality tools
 Conduct Air Quality monitoring	 Innovate in relation to river freight	Seamless transition to DEFRA Clean Air Logistics London project

Clean Air Logistics London

Support and work towards local authorities' urgent need for carbon reduction and the co-benefit of reducing business' carbon footprint	Community and network building around collective business action and sustainability issues, to be built upon beyond project completion	Improve air quality/reduce emissions, for example from reduced delivery trips, switched road to river delivery trips, increased use of ultra-low emission vehicles, increased use of 'click and collect' services
Reduce congestion due to a reduction in the number of delivery vehicles on the road	 Reduce delivery costs for businesses, operators, individuals.	 Deliver logistics micro hub space
 Implement river pier modification/s	 Undertake river trials of bulky goods and parcels	 Use of cargo bikes and electric vehicles for ongoing trips
Increase walking freight, supported by delivery lockers/containers and Click & Collect	Raise awareness of air pollution as a health issue and health opportunity	Enhance CRP's measureBEST monitoring tool to capture, measure and analyse air pollutants

Data Analysis Services

 Promote CRP's Data Analysis services nationally	 Use data to drive holistic town centre policy
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Freight Delivering Clean Air

 Improve London's Air Quality through freight-based innovations
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South Bank Data Analysis

 Provide detailed transport mode analysis to shape place making policies and practices for this neighbourhood
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7. Climate Action

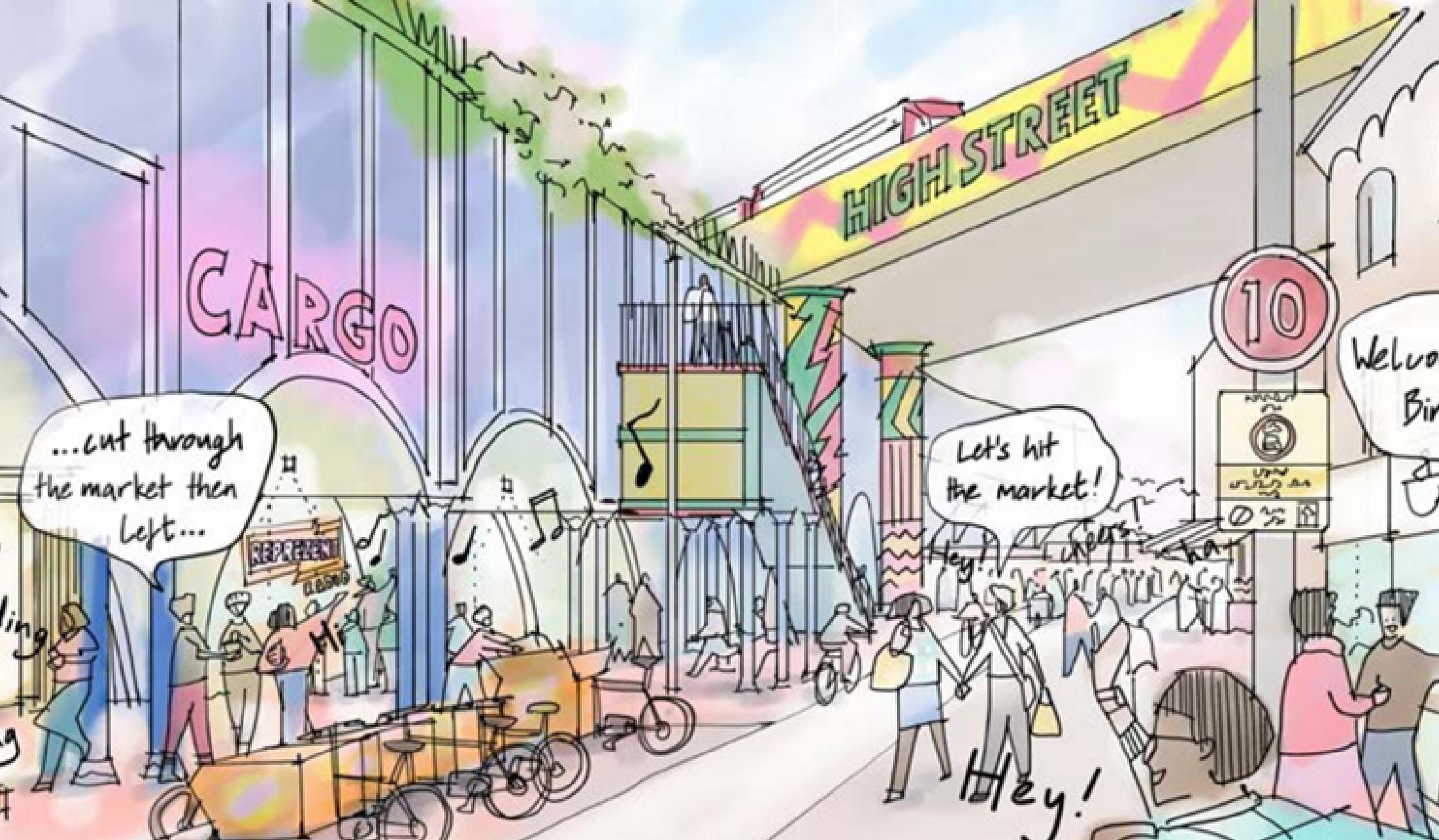
CRP recognises that the need for climate action is more urgent now than ever. Over the next year, CRP will continue to work with our partners, promoting modal shift for radical emissions reduction. We will champion cleaner, greener ways of living that make a positive difference to London's environment and the planet. Wherever possible, we will incorporate climate-positive outcomes in our projects, from cutting transport emissions to cutting waste, promoting circularity and greening. All of this can be done in economically effective ways that generate more opportunities for more Londoners.

It is more important than ever to appraise our environmental work in the global context. We need to remain conscious of wider environmental and climate outcomes. We recognise that, as an organisation, we share a responsibility in fighting for climate justice. We also recognise that results that are cleaner and greener for London may have unintended consequences elsewhere. We commit to a connected approach that critically evaluates new contracts and considers the environmental implications of our interventions beyond their local impact.

We will continue to align our work and messaging with regional and national climate policy developments (from ULEZ to COP26). We will also strive to support London's local authorities and our partners who have declared climate emergencies. We do this by measuring the environmental impacts of our work and sharing metrics so our partners can effectively evaluate their climate actions. We will look to communicate metrics on emissions reductions and positive environmental change through the year using comparisons. Impactful, digestible figures will help CRP and our partners share our work with businesses and members of the public.

CRP's passion for driving change and working collaboratively allows us to inspire partners to move beyond business as usual. Through more critical evaluation of our work from a climate justice perspective, we can ensure that we work to improve the environment locally and globally and support our partners with their climate actions.





8. Budget & Finance

	Annual Report 2021/2022			Business Plan 2022/2023		
	Delivery Expenditure (£) 2021/22	CRP Delivery Expenditure (£) 2021/22	Total Delivery Expenditure forecast to 31/03/22	Delivery budget (£) 2022/23	CRP Delivery Budget (£) 2022/23	Total Budget income (£) 2022/23
Central London Sub-Regional Transport Partnership	71,000	41,000	112,000	-	-	-
Clean Air Logistics for London (CALL)	-	-	-	858,885	331,115	1,190,000
Clean Air Thames	260,372	15,376	275,748	-	-	-
Clean Air Villages 3	57,800	100,000	157,800	-	-	-
Clean Air Villages 4	129,409	433,450	562,859	476,464	180,677	657,141
CRP Local Authority Members	-	60,000	60,000	-	80,000	80,000
CRP Landowner Members	-	10,000	10,000	-	10,000	10,000
CRP Private Sector Members	-	56,500	56,500	-	57,000	57,000
Data Analysis Services	-	-	-	-	50,000	50,000
Electric Vehicles Fleet-Centred Local Energy Systems	171,543	29,546	201,089	-	-	-
Freight Delivering Clean Air	-	-	-	-	180,300	180,300
Hammersmith & Fulham Shared Electric Vehicle	-	9,954	9,954	-	-	-
Hammersmith & Fulham Ultra Low Emission Campaign	-	9,660	9,660	-	-	-
Healthy Streets Everyday	640,384	83,600	723,984	-	-	-
South Bank BID Street Use Monitoring	-	15,360	15,360	-	22,590	22,590
Total	1,330,508	864,446	2,194,954	1,335,349	911,682	2,247,031



9. Contact Information



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