Better Prepared:
Learning Lessons from
the COVID-19 Crisis

Chair:
Tomos Joyce,
Guidance Manager







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## **Today's Speakers**



Professor Tony Travers London School of Economics and Political Science (LSE)

Speaker



Susannah Wilks Director Cross River Partnership

Speaker



Joshua West Communications Manager Cross River Partnership

Speaker



Tomos Joyce Guidance Manager Cross River Partnership

Chair



Ross Phillips Project Officer Cross River Partnership

**Chat Moderator** 



Rachael Aldridge Project Officer Technical Lead

**Technical Lead** 









### Today's Agenda

1. CRP: Introduction and Context

2. CRP: Health and Transport Recovery

3. LSE: London: Learning to live with COVID-19

Have your say:

Q/A session after each presentation





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# Introduction and Context Susannah Wilks, Director of CRP



**Delivering London's Future Together** 

#### **CRP Projects**









#### **Our Vision**

#### **People**

Working with engaged people connecting stakeholders to successfully collaborate and deliver

#### **Places**

Create great places, sharing best practice whilst ensuring all businesses are supported to grow sustainably

#### **Projects**

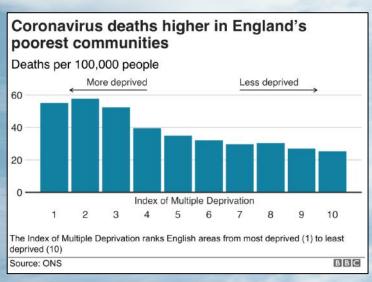
Deliver innovative projects for partners encouraging businesses to shift from incremental to permanent change, whilst inspiring others to do more at pace



Working towards sustainable businesses, and improving air quality.



## The Imperative for Improving Air Quality



May 2020

Evidence that air pollution hits poorer areas the hardest, with a harder recovery

COVID-19 deaths worse in the poorest parts of England Increasing evidence linking poor air quality and COVID-19 deaths

Air pollution hurts the poorest most



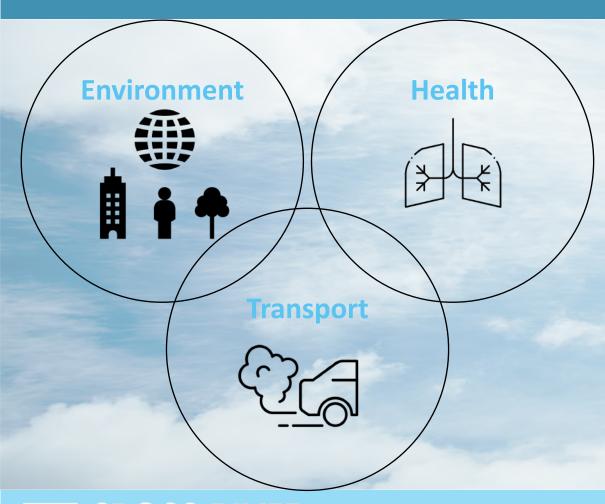
Air pollution likely to make coronavirus worse, say UK government advisers

Experts say further investigation of link is urgently required and may be relevant to managing pandemic

- Coronavirus latest updates
- See all our coronavirus coverage



# The Imperative for Improving Air Quality



"You could pick any city in the world and expect to see an effect of air pollution on people's risk of getting sicker from coronavirus".

Aaron Bernstein, Director of the Center for Climate, Health, and Global Environment at Harvard University.

"Dirty air is preventing people of colour, in lowincome communities in particular, from being able to have a fighting chance against this pandemic".

Gina McCarthy, president of the Natural Resources Defence Council, US.

#### **Future funding opportunities 2021/22**





- CRP bidding for Defra's Air Quality Grant 2021/2022
- Clean Air Villages 4 building on the success of the previous award-winning CRP CAV projects
- £2 million available to English Local Authorities

# **Health and Transport Recovery from COVID-19**

Joshua West, Cross River Partnership



**Delivering London's Future Together** 





#### Impacts of air pollution on health

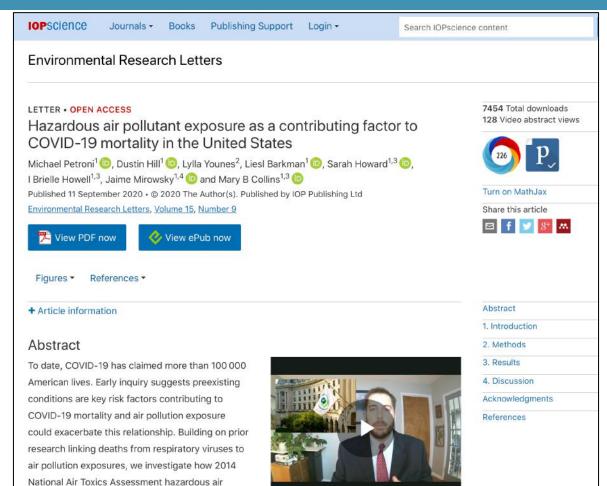
# Air pollution increases susceptibility to COVID-19

#### **Exposure to high levels**

- Damaging lung function
- Triggering asthma
- Increasing blood pressure
- Increasing lung and heart related hospital admissions and deaths

#### **Long-term exposure**

- Chronic heart and lung conditions such as coronary heart disease)
- Lung cancer, leading to reduced life expectancy



pollutants (HAPs) respiratory hazard quotient and

https://iopscience.iop.org/article/10.1088/17 48-9326/abaf86





#### Science of The Total Environment

Volume 741, 1 November 2020, 140515



A vulnerability-based approach to humanmobility reduction for countering COVID-19 transmission in London while considering local air quality

Manu Sasidharan <sup>a</sup> ≈ <sup>1</sup> , Ajit Singh <sup>b, c</sup> ≈ <sup>1</sup> , Mehran Eskandari Torbaghan <sup>d</sup> ≈ , Ajith Kumar Parlikad <sup>a</sup>

Show more V

https://doi.org/10.1016/j.scitotenv.2020.140515

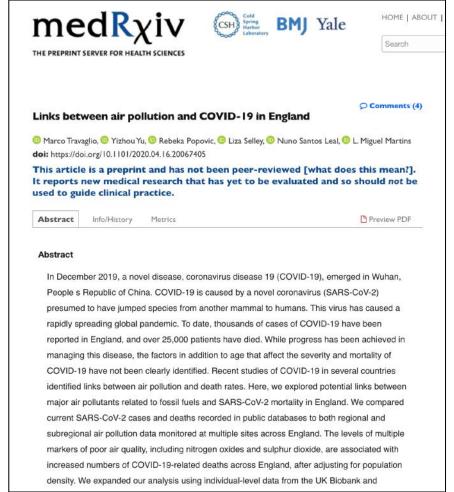
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#### Highlights

- a strong correlation between increment in NO2 and PM2.5 levels and an increase in the risk of COVID-19 transmission
- a strong correlation between the risk of COVID-19 fatality and higher NO2 and PM2.5 levels
- Introduces a vulnerability-based approach to human-mobility reduction strategies.

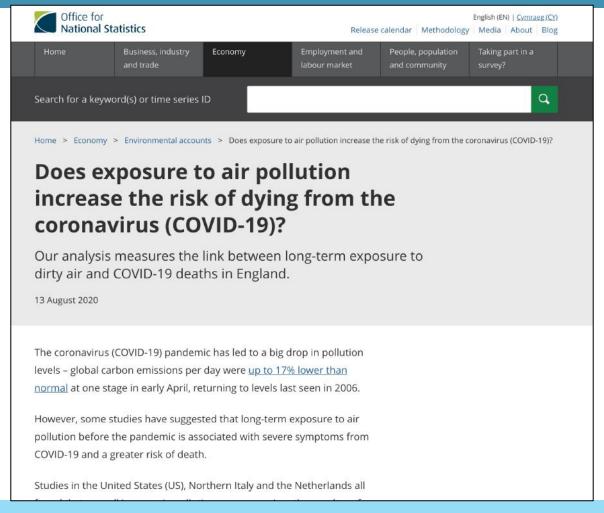
https://www.sciencedirect.com/science/article/pii/S0048969720340377





https://www.medrxiv.org/conte nt/10.1101/2020.04.16.200674 05v5.full.pdf





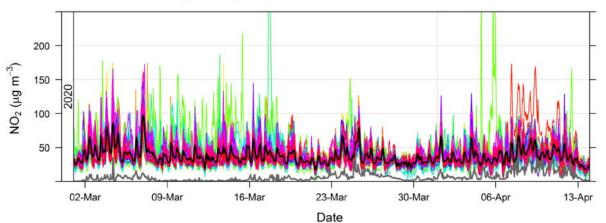
https://www.ons.gov.uk/economy/environmentalaccounts/articles/doesexposuretoairpollutionincreasetheriskofdyingfromthecoronaviruscovid19/2020-08-13



#### London lockdown's impact on AQ





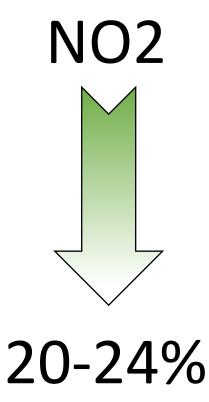


The thick black line is the average across all AQMesh Stations

The thick grey line is the upwind background

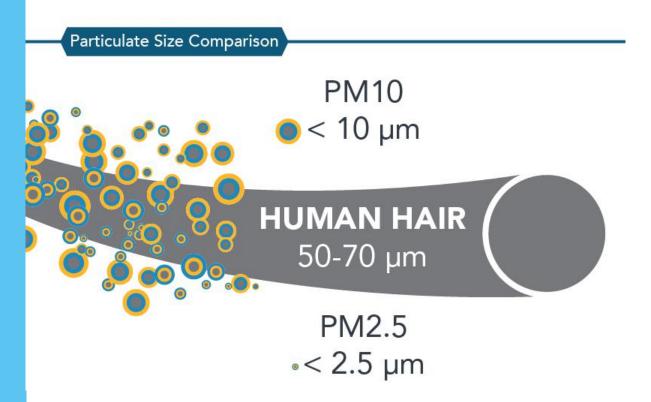
Source: Breathe London data

 $\textbf{Source:} \ \underline{\textbf{https://www.breathelondon.org/new-breathe-london-data-covid-19-confinement-measures-reduce-london-air-pollution/} \\$ 





#### London lockdown's impact on AQ



PM10 and PM2.5

Source: <a href="https://ww2.arb.ca.gov/resources/inhalable-particulate-matter-and-health">https://ww2.arb.ca.gov/resources/inhalable-particulate-matter-and-health</a>

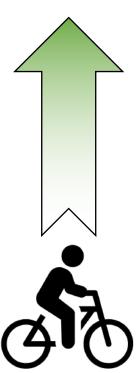


## London lockdown's impact on AQ

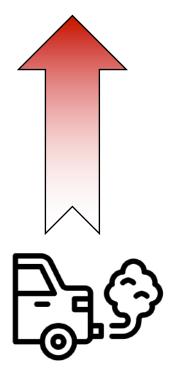


Source: https://tfl.gov.uk/travel-information/improvements-and-projects/streetspace-for-london

Cycling increase by 10% on weekdays compared to pre COVID-19 levels

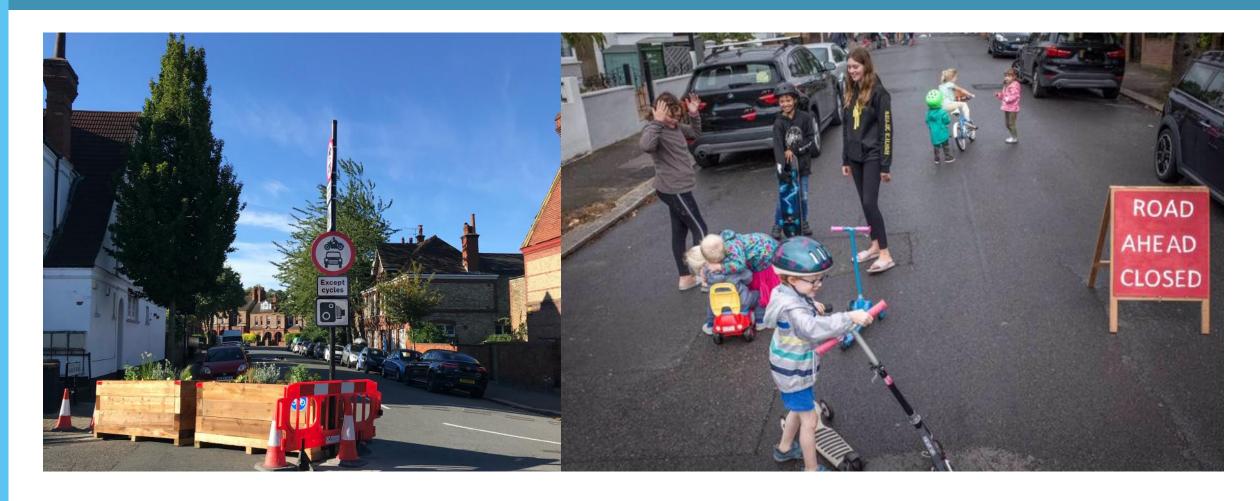


Private car traffic is only 5% below pre COVID-19 levels





# **Low Traffic Neighbourhoods and School Streets**



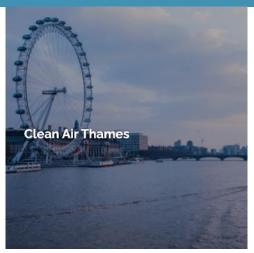


### **Healthy Streets Indicators**



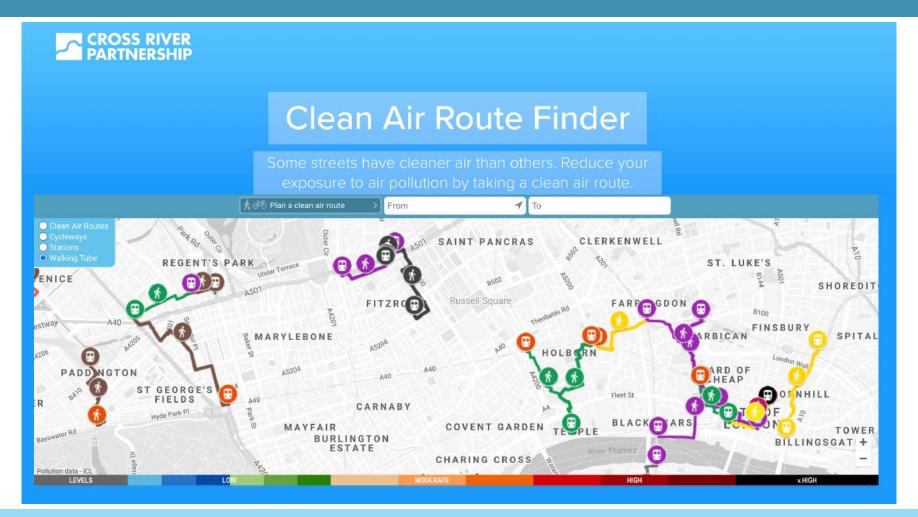








#### **CRP Online Tools**





#### **CRP Clean Air Villages Directory**



"We're committed to doing everything we can to improve the air quality in London, so we're delighted to be part of the Cross River Partnership Directory"



Kate Walker-Collins,
Fed by Able and Cole
(listed on the CRP Clean Air
Villages Directory).



Foot



Electric vehicles



Alternative-fuel vehicles



Bike or cargo bike



Hybrid (petrol) vehicles

Available online at: www.crossriverpartnership.org/directory





# **Questions?**



**Delivering London's Future Together** 

# London: Learning to live with COVID-19 Professor Tony Travers, London School of Economics and Political Science (LSE)









#### Impacts so far

- Major shifts to working from home
- Varying economic impacts
  - Substantial reduction in central London economic activity
  - Smaller reduction in larger inner/outer London centres
    - e.g. Ealing, Stratford, Croydon, Camden
  - Some increase in activity in retail-dominated inner/outer London centres
    - e.g. Southall, East Ham, Golders Green, Ilford, Surbiton, Bromley
  - Public transport use down substantially
  - Live theatre, music, clubs almost closed
  - Working from home will redistribute economic activity







#### The impact of the London and UK economy

- UK economy to shrink by 8-10% in 2020
- Partial recovery in 2021, but not back to 2019 till 2023 or 2024?
- London impact unknown but almost inevitable central London will see a major decline in GVA/GDP in 2020
  - West End worst affected
  - City of London largely unaffected, though huge shift to WFH
  - Outer boroughs/centres with little office accommodation probably trading well
  - South East and East towns probably also recovering more strongly
- Big question is: will there be permanent damage to the London economy from these short-term impacts?







#### **Short-term issues**

- Business rates in 2020-21, especially central London/other city centres
- Travel industry
- Theatre, music, clubs, leisure, hotels: need for protection
- Tube, trains and buses: need for support
- Post-furlough support required for some sectors
- Sport: increasing need for protection

Unless these sectors/activities are protected they will be permanently damaged







#### **Recovery objectives**

- Back to January 2020?
- Policy requirements:
  - Maintain existing property uses?
  - Maintain existing public transport system
  - Eventually: incentives to stimulate recovery
  - Major marketing effort
    - London/SE/E
    - Rest of UK
    - Global

All three spheres of government (Whitehall/City Hall/Town Hall) will need to work on this – consistently and with agreed objectives







#### **Threats and Opportunities**

#### **Threats**

- Productivity
- Creative industries
- Leisure industries
- Employment
- UK's 'soft power

#### **Opportunities**

- Plan a good recovery: better long-term objectives
- Better co-ordination of CG/LG policy
- Ensure the rest of the UK more fully understands London and its people







# Questions?



# Final Observations







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#### **Operating Sustainably: A North-South Perspective on UK Transport and COVID-19**



# Join us for our next LiveShare session

Thursday 8<sup>th</sup> October, 2pm



# Thank You!



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