

GLA City Intelligence Unit – “New Methods” Conference, 30 September 2019		
8:45	Registration	Coffee, fruit and pastries
9:40	Welcome	Theo Blackwell, Chief Digital Officer, Greater London Authority (GLA)
9:50	Keynote speech	Mike Bracken, Public Digital
10:15	New models of delivery:	Panel discussion chaired by Eddie Copeland, Director of the London Office for Technology and Innovation (LOTI)
	City Hall and local government perspectives	<ul style="list-style-type: none"> • City Hall innovation – Molly Strauss, Infrastructure Unit, GLA • Local Authority innovation - Omid Shiraji, Consultant Chief Innovation Officer • London and European innovations – Nathan Pierce, Head of Smart London team & Programme Director of Sharing Cities, GLA
11:10	Break	
11:40	New generation of tools for the public good:	Key presentations - chaired by Miranda Sharp Innovation Director, Ordnance Survey
	Using IoT, crowdsourcing and machine learning	<ul style="list-style-type: none"> • Cultural Infrastructure Map - (crowd sourcing, syndicating and open sourcing web applications) – Shonagh Manson, Assistant Director, Culture and Creative Industries, GLA • Smart Energy Management Systems (and wider Sharing Cities IoT work) - Paul Hodgson, Senior Manager, City Data, GLA • Air quality modelling – Theo Damoulas, Deputy Programme Director for Data-Centric Engineering, and Turing Fellow
12:40	Lunch	Optional - 12.50 - 1.10 - demonstration of the London Infrastructure Mapping Application, Ananya Jaidev, Senior Policy & Project Officer, GLA (Chamber)
13:40	New methods to support policy and delivery:	“Pecha Kucha” (ie short) presentations and Q&As - chaired by Michele Pittini, Senior Economist, GLA
	From strategies to investment decisions	<ul style="list-style-type: none"> • Reducing crime (Safestats systems) – Vivienne Avery, Senior Manager, GLA • Rapid environmental strategies’ assessment - Dr Nici Zimmerman, UCL • Forecasts for an uncertain future – Ben Corr, Demography Manager, GLA • Planning applications: system innovations - Peter Kemp, Planning Change Manager <p><i>Q&As / short break</i></p> <ul style="list-style-type: none"> • Innovations in transport demand and land use modelling - David Christie, Demand Forecasting & Analytics Manager, TfL • Assessing infrastructure investments with the London simulator – Craig Stephens, Deputy Chief Executive, Greenwood Strategic Advisors <p><i>Q&As</i></p>
15:00	Break	
15:30	Where next for London Datastore and a	DS discovery session – chaired by Katharine Segal, Interim Assistant Director External Relations, GLA. <ul style="list-style-type: none"> • Theo Blackwell, Chief Digital Officer, GLA • Joseph Colombeau, London Datastore Product Manager, GLA

	perspective from Milan	<ul style="list-style-type: none"> • Leigh Dodds, Director of Advisory, The Open Data Institute • Piero Pelizzaro, Chief Resilience Officer, Milano
16:30	Conclusion - tools for better policy and delivery	Sarah Mulley , Executive Director, Communities and Intelligence, GLA Theo Blackwell , Chief Digital Officer, GLA Jeremy Skinner , Assistant Director, Strategy, Intelligence and Analysis - GLA
17:00	Networking	Drinks reception (Map Area)
18:30	Close	

Sessions Overviews

Session 1 - New models of delivery

This session will explore innovations from the London Boroughs and City Hall, with a focus on partnerships and capacity building rather than technology solutions.

Chair: Eddie Copeland, Director of the London Office for Technology and Innovation (LOTI)

Session 2 - New generation of tools for the public good

This session will explore three recent projects that have each set out to tackle long-standing problems in innovative ways. The projects are linked by their use of spatial data but are not traditional GIS projects.

Chair: Miranda Sharp, Innovation Director at Ordnance Survey

Talk 1 - Cultural Infrastructure Map

London is a city recognised as a global capital for arts and culture. Our theatres, music venues, museums and galleries are renowned across the world. Our creative industries are vital to London's success and the recording studios, rehearsal spaces, artists' workspaces are the engine room that is responsible for generating £52 billion per year. However, there has been a worrying decline in London's cultural spaces, with the numbers of LGBT+ venues and grassroots music venues stabilising in the last year following a decade of decline.

We will explain the processes that we used and why we chose them as well as how the map sits in between a network of crowd-sourced data and syndicated data feeds.

Shonagh Manson, Assistant Director - Culture and Creative Industries at GLA

Talk 2 – Sharing Cities

This EU-funded programme, along with work by the London Legacy Development Corporation has piloted the benefits for cities of the new generation of connected sensors and Internet of Things devices. One key output has been the development of a digital twin and a 'Sustainable Energy Management System' for social housing in Greenwich to maximise the use of renewable energy.

Paul Hodgson, Senior Manager - City Data at GLA

Talk 3 – Air Quality modelling, The Alan Turing Institute

Poor air quality is linked to a range of short and long-term health issues as well as being a reputational risk for the attractiveness of cities. This project is developing machine learning

algorithms, data science platforms and statistical methodology to integrate data and air pollution measurements from a wide variety of sources in order to better estimate and accurately forecast air pollution. Aims:

- Inform the effectiveness of the multiple investments across London to improve air quality from electric buses to green walls at primary schools
- To present the best estimates and forecasts in a way that app and web developers can then use to inform Londoners

Theo Damoulas, Deputy Programme Director for Data-Centric Engineering, and Turing Fellow

Session 3 - New methods to support policy and delivery: From strategies to investment decisions

This visual and pacy session (in true 'PechaKucha' style) aims to provide examples of how new methods and approaches enabled by data and digital solutions are contributing to the development of policy, service delivery and investment decisions in London. It promises to be a showcase for a broad and exciting variety of City Intelligence innovations: from a secure data platform hosting a variety of crime and community safety datasets to new methods and approaches for demographic modelling (including agent-based modelling); from the development of new methods to rapidly assess the impacts of environmental strategies to the creation of a 'live hub' of planning and development information for Londoners; from the appraisal of the benefits of transport schemes using TfL's latest strategic transport model to the application of system-dynamic model to simulate the economic and fiscal impacts of major infrastructure investments. Ultimately these new approaches create opportunities for more efficient delivery of public services, public policies and social infrastructure, thereby contributing to a more liveable and successful city.

Chair: Michele Pittini, Senior Economist, GLA Economics

Session 4 - Where next for London Datastore?

In January 2010 the GLA launched the London Datastore, a free and open data-sharing platform allowing anyone to access data relating to London.

Fast approaching its tenth birthday, the Datastore now sits within a complex city data ecosystem with the GLA and its partners – including local authorities, city-wide public services, research institutions and civil society – all collecting, stewarding, collaborating and innovating with data in an attempt to improve outcomes for London's people, communities and organisations.

We will also have a contribution from the Chief Resilience Officer of the City of Milan, Italy. The GLA works closely with Milan on a number of smart and digital projects including Sharing Cities, where we have helped in the development of Milan's data platform. He will give his thoughts on the future of data-driven city services.

Join us as we take stock of the Datastore's first decade and invite you to help us better understand what role it has to play as it moves into its second.

Theo Blackwell, Chief Digital Officer; Piero Pelizzaro, Chief Resilience Officer of Milan, Joe Colombeau, London Datastore Product Manager; and the Open Data Institute