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## NEWSLETTER

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### PROJECT REPORTS FROM THE URBANDATA2DECIDE

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UrbanData2Decide extracts and processes information from public social media and open data libraries, and creates visualisations. This information, combined with advice from online expert panels, will support local governments towards a holistic and sustainable and decision-making process on specific urban challenges such as urban renewal, urban safety and security. A series of deliverables from the UrbanData2Decide project have been published on our project website (<http://www.urbandata2decide.eu/media-centre/>).

#### **Deliverable 3.4 Integrated framework report**

One of our most recent deliverables, *D3.4 Integrated framework report*, features the data visualisation and decision-making solutions to forecast and manage urban challenges. This integrated report is based on the empirical work presented in previous deliverables. It tackles three main topics. First, it discusses use of social media for urban decision making and key challenges. Second, it reviews open data for urban decision making, surveying the current application of open data in major European cities. Third, it explores data visualisation methods for urban decision making, focusing on content and map based visualisations. Taken together, this report highlights the great potential the UrbanData2Decide application can deliver for its future development as well as key challenges it faces.

#### **Deliverable 3.1 UrbanDataVisualiser report including methods, specifications and approaches**

This report centers around the visualisation element of the UrbanData2Decide system. This report aims to identify common features and functionalities that recur in the national concepts and to extract generic visualisation types and use cases that any urban visualizer might produce. Accordingly, a list of recommended technologies can be developed which fit these different types and use cases.

#### **Deliverable 2.4 Social, ethical, and legal aspects of big data and urban decision-making**

This report looks at various privacy aspects in the social, ethical and legal realms in the context of big data and urban decision making. In the UrbanData2Decide project, a manifold analysis of privacy, starting from conceptualisations of privacy to legal directives by the

European Union, is important. This report discusses social and ethical aspects, reflecting upon the context in terms of type of data and the setting in which information is collected. It also reviews the main social and ethical guidelines and legal standards as a reference for the privacy concern.

Full reports are available at the Media Centre of our project website: <http://www.urbandata2decide.eu/media-centre/>

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## HIGHLIGHTED EVENTS

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### ***Data Science for Local Government Workshop***

We hosted the Data Science for Local Government workshop, a joint workshop between Oxford City Council, the Oxford Internet Institute and the Open Data Institute. The day-long workshop was held at the Oxford Town Hall on 27 September, 2016.

The workshop aimed to help stimulate the introduction of data science into local government through a series of talks from local government practitioners, academics and industry leaders working in the relevant areas. The workshop consisted of three main sessions; the data science landscape, open and social data applications, and business data for local government. Each session had three presentations.

More detailed information about each presentation is available at the event website: <http://smartcities.oii.ox.ac.uk/workshop-data-science-for-local-government/>.

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## TRAIN DATA DEMONSTRATOR

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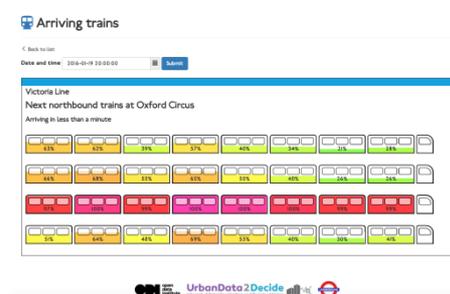
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### ***A visualisation platform for London Underground train signal data***

Train data demonstrator is offered on trial at the visualisation platform for London Underground train signal data ([goingunderground.herokuapp.com](http://goingunderground.herokuapp.com)). The platform consists of three main parts: Signal Graphs, Crowding Data, and a Heatmap.

**Signal Graphs** visualise the development of train data over time and allow comparison between multiple sensor data sets. There is also an API that exposes the sensor data for a user defined time period in JSON format.

**Crowding Data** demonstrate a visualisation of the train carriage occupancy levels for upcoming trains at specific stations at specific times for the Victoria Line. The data is based on actual sensor data, and is mixed with simulated data for subsequent trains.



The **Heatmap** simulates, visualises, and demonstrates the occupancy of the Victoria line network at a given date and time. For instance, the Heatmap allows users to view how busy the Northbound and Southbound stations are on the selected date and time.

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## BOTHAN: A TOOL TO STORE AND SHARE YOUR METRICS

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### *Introducing Bothan.io: a tool to store and share metrics or performance indicators as open data*

The ODI Lab team introduces bothan.io, a tool for anyone to easily store and share metrics as open data with visualisations and a full JSON API. There is a one-click installer for you to deploy your own free Bothan instance to Heroku. You can take a look at the demo and the documentation, and deploy your own free version. Then you can write code to collect your metrics with embeddable visualisations and can even build your own dashboards. For more details, please visit Open Data Institute ([theodi.org](http://theodi.org)) or Bothan ([bothan.io](http://bothan.io)).

