

URL <http://theodi.org/summer-showcase-breathe-heathrow>

Quick facts

- Company: Breathe Heathrow
- Sector: Health
- Product / service: Service
- Type of data: Health and Environment
- Origin: United Kingdom



Benefits

- Allow local residents, local government, and central government, to better understand the impact a major airport has on its surroundings.
- Directly informing the ongoing debate in the UK on the expansion of the airports around London.



How Open Data is used

- Sensors are collecting data on various environmental parameters. This data is opened up by OpenSensors, and fed a dashboard created by Breathe Heathrow, allowing users to see graphs and real-time pollution dials for every sensor.
- The datasets collected from the sensors are then combined with data on various other topics, for example flights, weather and local traffic, to demonstrate causality.



London's air pollution levels frequently breach EU safety limits

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Combining datasets to build a more concrete picture of pollution

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The challenge: making real-time data open and easy to understand

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The hope is to be able to demonstrate causalities between datasets

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Smart city initiatives need to be informed by a range of open datasets

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Future plans

- Deploying a greater number of sensors to provide a more granular representation and including more secondary datasets upon which to correlate.
- Encourage others to use this open methodology and build a community of best practice in air quality sensing.
- Help replicating this project in other cities.

