



urban observatory



UNIVERSITY OF BIRMINGHAM



**THE Awards 2019 – Research Project of the Year: STEM**

Institution/Nominee	The Urban Observatory (Newcastle University, in collaboration with the universities of Birmingham, Bristol, Cranfield, Manchester and Sheffield)
Title	The Urban Observatory Program
URL	<a href="http://www.urbanobservatory.ac.uk/">http://www.urbanobservatory.ac.uk/</a>
Submission	<p>The Urban Observatory (UO) Program is the UK’s largest urban experiment providing us with a unique understanding of how our cities work and the impact that climate change, decarbonisation, electric transport and other adaptations might have on them.</p> <p>Bringing together six universities in collaboration with their local authorities, the UO is the largest, open data monitoring system in the world, collecting data about 64 different urban indicators such as energy use, climate, air quality, traffic flow, pedestrian movement and even the health of urban beehives.</p> <p>Launched as a pilot in 2013 with just 15 sensors, in September 2017 the project was rolled out with the opening of Newcastle University’s Urban Sciences Building – a fully-sensored ‘building as a lab’ – bringing the total number of sensors deployed to over 3,600 and adding 5,000 new observations every minute.</p>