

Sensor factsheet

Air pollution comes in a number of forms and from a range of sources.


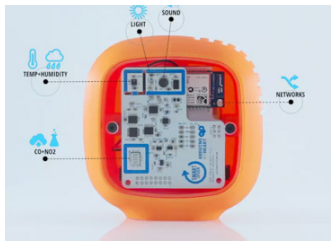
Common types of air pollution include:

- Particulate matter (usually known as PM10 and PM2.5)
 - Nitrogen oxides
 - Ozone
 - Carbon monoxide
 - Volatile organic compounds
 - Benzene
- and there are many more.

All these pollutants cause harm to humans and animals, but the scale of the problem is not well understood by the public and each month new research uncovers further links to health problems.

More info: airapparentuk.wordpress.com/air-pollution

We are experimenting with collecting data with a number of sensors for The Bristol Approach air quality project, information on each sensor is below:

What is it called?	Luftdaten fine dust sensor	UWE Sense	Smart Citizen kit
What does it look like?			
What does it measure?	Particulate matter (PM10 & PM2.5) Find out more about particulate matter here.	Ozone & Nitrogen Oxide (NOx)	Nitrogen Oxide (NOx) & Carbon Monoxide Can also sense other things like noise, sound etc depending on sensors used
Who is KWMC working with?	Sam Prince runs citizen science project Air Apparent which is extension of a project started in Stuttgart, Germany known as luftdaten.info - find out more on our international sensing projects page.	Ben Gaster (UWE) built the sensor board. Becca Rose (artist) co-designed the casing with school group & cyclists. Kev Kirkland (Data Unity) and Pete Bennett (artist) will be working with the data once it exists.	Fab Lab Barcelona (fablabbcn.org) - Mara Balestrini is the Senior Research Fellow at there where she coordinates the Making Sense project
Find out more	www.airapparentuk.wordpress.com	www.bristolapproach.org	www.smartcitizen.me