REDUCING THE SCOPE OF BREATHABLE

Original Breathable was an App that recorded pedestrian routes to given locations and calculated exposure to pollution on that journey. Users would challenge friends to meet at a location, and then discover who had the least polluted route. The data collected would then be used in future apps to determine the least polluted routes, and may be of interest to urban planners etc.

It was devised as user 3 elements MESSAGE >> ROUTE >> WINNER

A reduced scope version is proposed as a proof of concept. We would first drop the MESSAGE and WINNER elements. Instead friends would use pre-existing methods outside of Breathable (WhatsApp, Facebook, SMS etc) to arrange a meeting. Upon arrival they can compare individual route analysis on their separate smart phones and discover who had the best route.

We'd concentrate on developing the ROUTE element- reducing it to Bristol only, for which there are several Open Data Bristol APIs we can use. However we may have to combine several data points (i.e. Background Pollutant Data, Luftdaten Air Quality data, Air Quality Continuous and Traffic Counters) and develop a metric that could return a score based on a route going through those data points. This still could be a significant challenge.