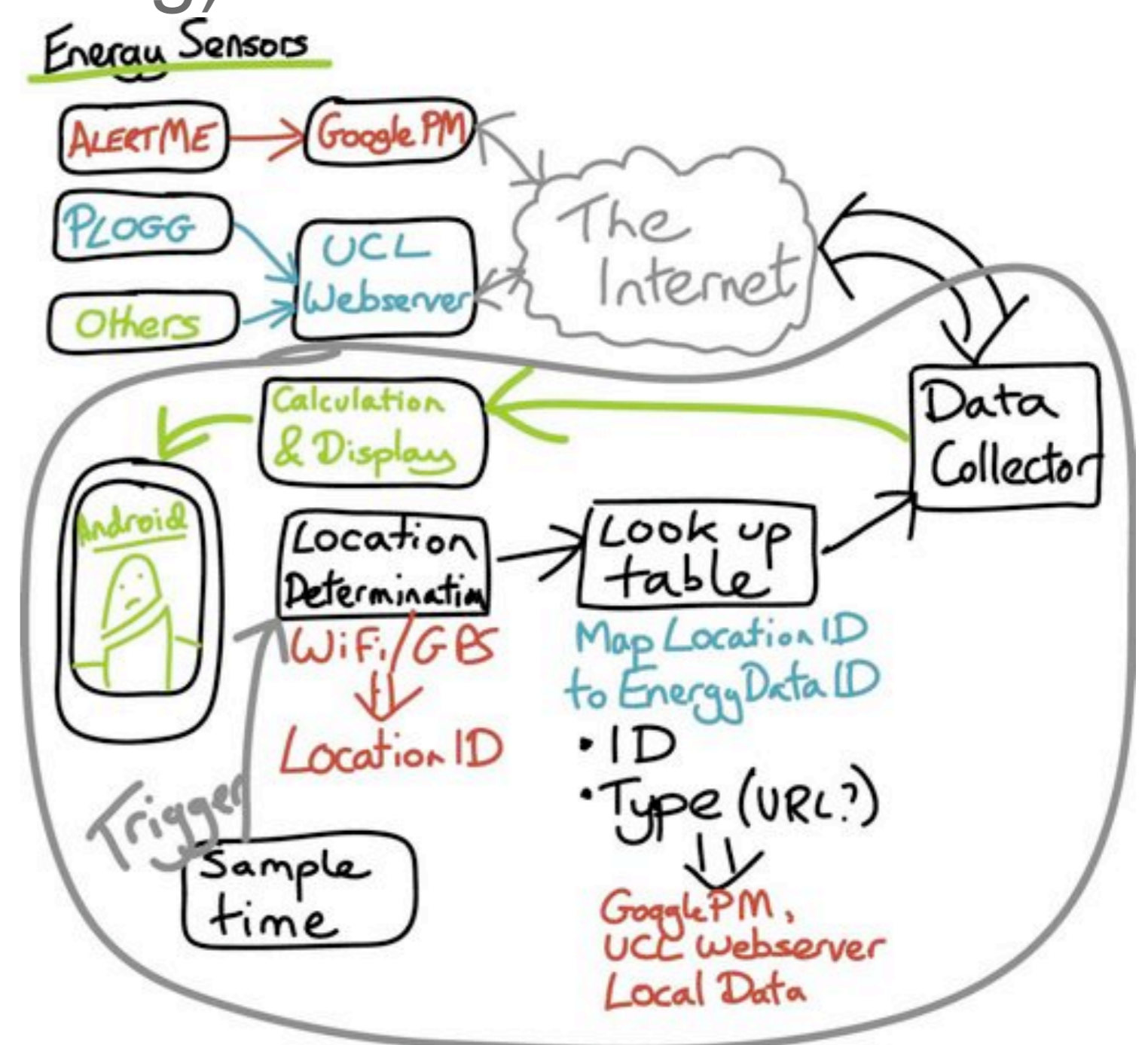


# What's my energy footprint?

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## Monitor your lifestyle not just your home

Energy monitoring has now become a mainstream consumer product with Energy providers keen to demonstrate their green credentials and help customers reduce their consumption. Current systems are typically limited to usage in the home, but why stop there? To better manage energy consumption, real-time energy monitoring is required so that the impact of even small actions can be seen and understood by users and policy makers.



## Feasibility Study

This project considered the feasibility of integrating low-cost consumer technologies to give real-time, individual feedback on energy use in a variety of environment: at home, in the office, while travelling. The key device of the system is the mobile device (in this case an Android Phone), carried by the user, which determines the user's location and requests details on the current energy usage from the database. This also acts as the user interaction interface, presenting details of the energy consumption.

## Conclusions and Future

Within this project a prototype system has been developed and tested with a user trial currently running. The vision was of a wide range of sensors contributing to the overall measurement, however standardization in this area is significantly lacking, resulting in many interoperability issues. The results are intended to be published shortly.

What about activities that are not covered by an energy sensor? For example taking the tube, the bus or a car journey. Further research is being carried out to develop techniques to derive the type of activity being undertaken and correlate it with estimated energy consumption. Applications will be released as open source software through the website below.