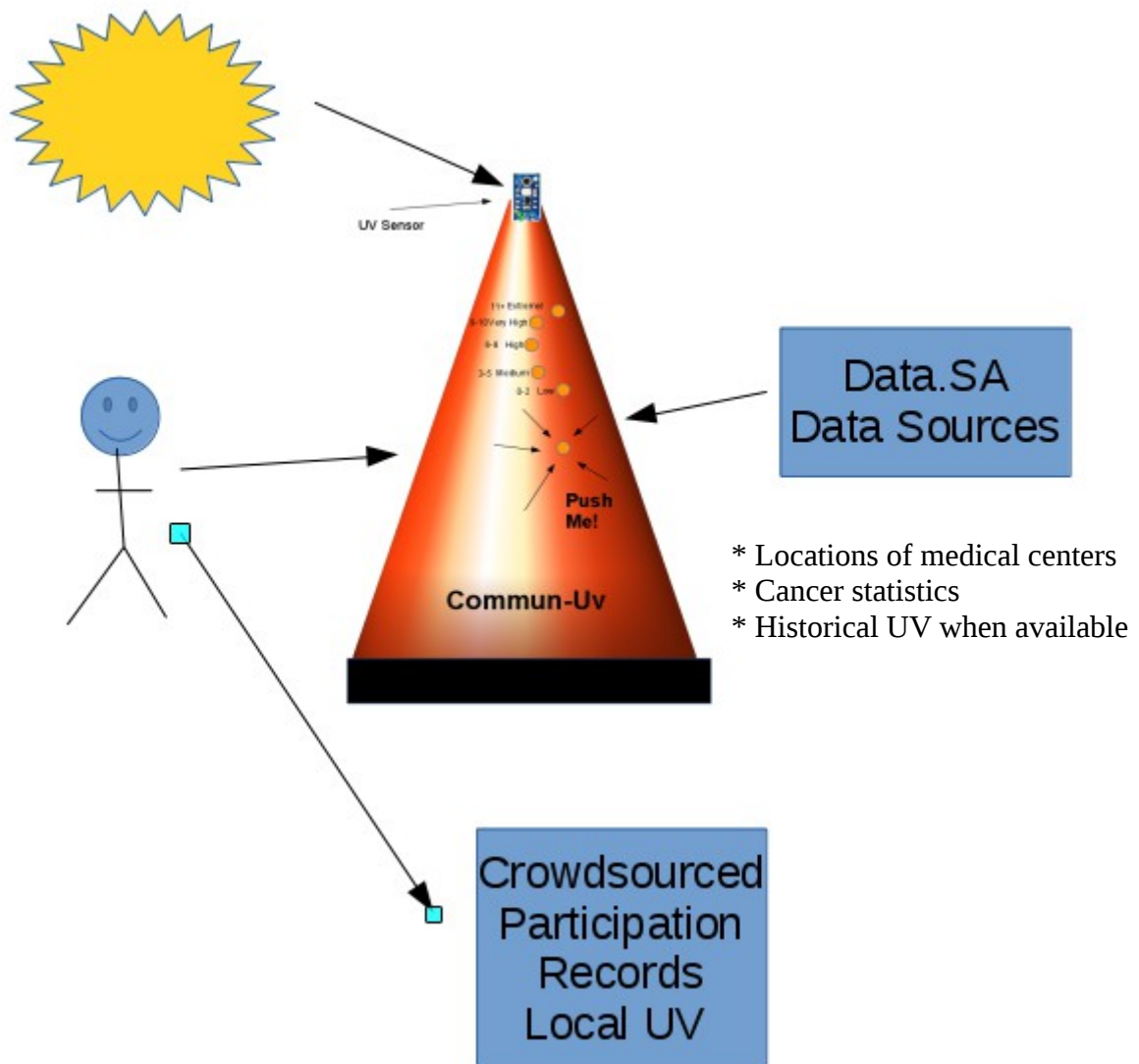


What is Commun-uv?

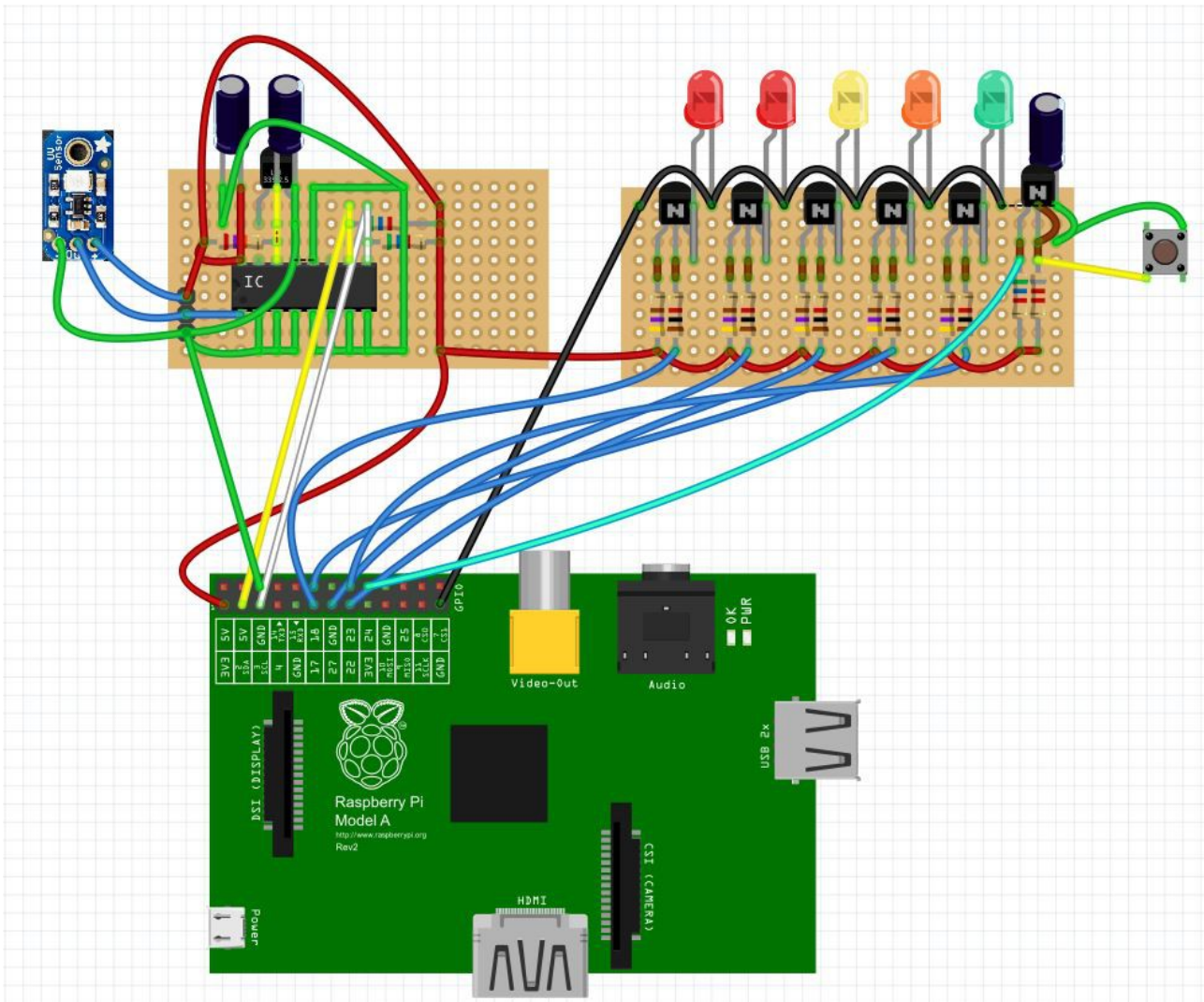
- Commun-UV is a community information sensor!
- It is designed to engage passers-by
- And maintain awareness of skin cancer risks
- And collect information on community interest
- And localised UV data using crowdsourcing
- And used at public events such as:
 - surf life saving carnivals
 - cricket matches

Scenario



See <http://commun-uv.weebly.com> for more information

Design



Commun-UV is built using:

- A Raspberry Pi model A
- A circuit board to drive the LED UV meter
- An analogue UV sensor
- An A/D converter connected using i2c

Commun-UV uses open source software:

- Python
- Alsaplayer
- The sound was recorded using Audacity
- Linux

Data

- Machinery of Data requires the use of data from data.sa

Sources:

Cancer in SA 1977 to 2011 with projections to 2014:

<https://data.sa.gov.au/data/dataset/sa-cancer-registry/resource/e2925b74-6811-439f-9063-77bc00253ca9>

Incidences and Mortalities 2011:

<https://data.sa.gov.au/data/dataset/sa-cancer-registry/resource/c84402e7-be35-4e64-8a62-6539c452fb5c>

GP Plus locations:

<https://data.sa.gov.au/data/dataset/gp-plus-locations>

Whilst researching this project we also found:

Daily UV summaries for Adelaide:

<http://www.arpansa.gov.au/uvindex/monthly/adlmonthlysumm.htm>

UV data feeds from:

<http://www.bom.gov.au/uv/data.shtml>

However, we were precluded by the rules of the competition from including this data as it is not presently linked from data.sa . It is hoped that this data could be made available on data.sa in the future :-)