# Project submission

# Project title

Water and disease Prevention System

# Team name & members

**Team CWS+:**

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# Description

Many Africa countries suffer from poor water supply and drainage, which in turn leads to flash flood and drought. Both of flash floods and drought in such area, are very likely to cause disease, as well as the original problem of lack of water or too much. Therefore by using rainfall predictions it is possible to predict the likelihood of disease, water shortage problems and floods. Predicting the possibility of these hazards then allows emergency response teams to make informed decisions on where to best place emergency resources.

Using the follow data elements:

* Spatial Population coverage/villages
* Medical centres
* Cholera cases (per region)
* Rain Fall prediction
* Rain Fall run off prediction
* Poverty
* Livestock
* Accessibility to water

<https://github.com/MJGibson/Water-Disease-Prevention.git>

# Lessons learnt

# Future developments

Obvious the system is currently only locally based, but could easily be put on a sever, and internet.

A future development could be to use fuzzy logic on the inferences layer.