Changed detection

Wifi strength

Purpose – QUT students in environmental science, urban planning, applied spaical courses

Large data, manipulate – **OWNERSHIP, CARE, CONSISTENT, OWN DATA, LARGE CLASS DATASET**

Mapping and analysis, could be anywhere

**Data is simple and broad**

**Fulcrum – geo app**

**Collector for arcgis**

**AuGeo**

**Mapit GIS**

**GIS & Data Collector**

**GIS data collector**

**Advanced mapping and spatial data collection**

**We don’t need advanced stuff just**

**+ TEXT**

**+ INTEGER**

**+ FLOAT**

**+Time (that was collected would be good to have)**

**+ installation, unique ID (which students contributed to which fields)**

**STORED AS A JSON FILE, EMAILED TO DROPBOX/THEMSELVES/OWNER**

Issue

+saving the data and exporting somewhere

+ solution – emailing to themselves

**Data types**

Simple point data- linking points in a data

Polygon – area, gsi, 2 dimension

Students are assigned grids,

Get all there data, path(start and end)/tree/spaces of lawn/ garden beds/ COULD BE ANYTHING / size of swamp pool

+ enter data, name

Polygon – select all points by walking through and creates area

Students will use it and collect (email-able so students can be involved in the entire workflow)

Collect -> merge (students will clean data) -> spatial analysis

+ they will give the data analysis to council to give recommendations

Simple app for **exporting data**

**Unless you are using their license and server u cant export it**

**Key attribute is to export it freely**

**Biggest feedback – LOSS of DATA**

**(required LIVE DATA CONNECTION)**

**Requires offline data storage**

**Important to work on both operating systems**

**This year one is an example**

**+ BASIC LEVEL**

**Don’t involve blackboard**

**+ prefer saving as an attachment – csv or just email**

**+ Form preferably (if can’t just open inputs)/**

**- needs required fields**

**2D – altitude (automatically); x, y, z**

**Checkbuttons – Indicating GPS is active!!! And accurate locations**

**Think how to come up with an unique ID**