



**HydroloGIS**  
Environmental Engineering

## A Friendly Survey of Popular Geospatial Services





# Web Map Server vs Tile Servers

- All about the Map
- That is “just” a picture
- Clients issue a “GetMap” request and get an image back
- Image can be anything from a PNG to a PDF or KML file
- A Tile Server can be introduced to answer very carefully formed GetMap requests
  - WMS-C invented at FOS4G BOF session
  - WMTS is being voted on by the OGC now
  - Used to move maps “closer to the edge” using HTTP protocol





# Web Feature Server

- Is all about the data
- Having the real data allows
  - Analysis, merging and assorted merriment
  - Export for use Off-line
  - Your own styling decisions locally
- Clients use “Describe Feature Type” / “Get Feature” requests
- Geography Markup Language is usually returned (ie XML)



# Web Feature Server - Transactional

- Being able to grab the data is good
- Being able to edit the data is better
- Main difference between MapServer and GeoServer



# Workbook 2 Editing

- This workbook is really exciting
- It will around 15 minuets
- After this we do move on to the rest of the DVD

