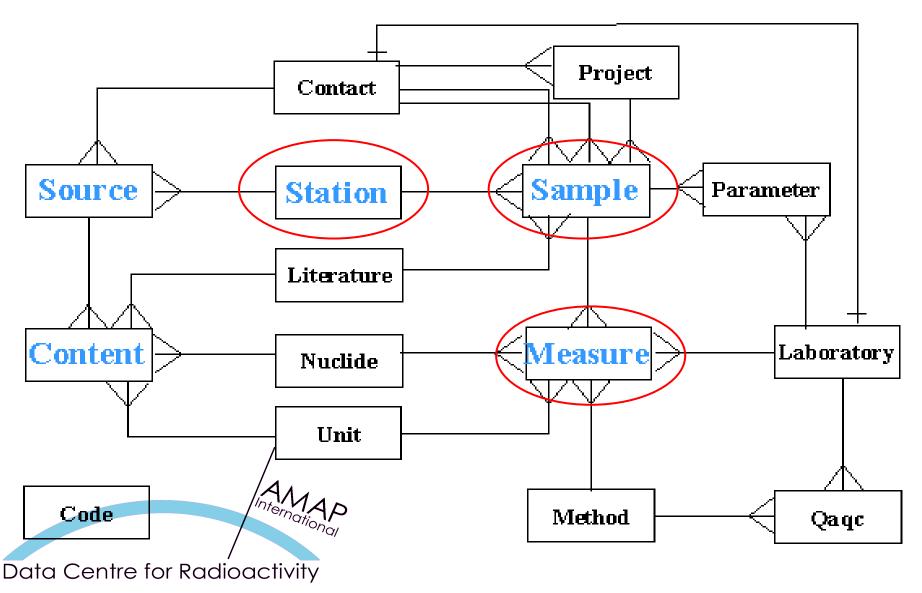


Outline of my presentation

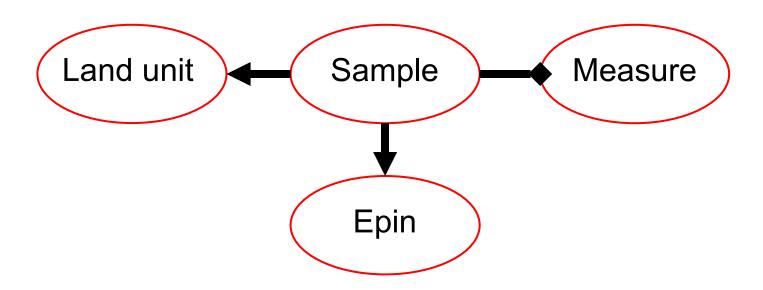
GIS UMN Map server:

- 1. Description of the GIS map server
- 2. Update the map server or add extra layers
- 3. 'Hands-on' practice

Database structure

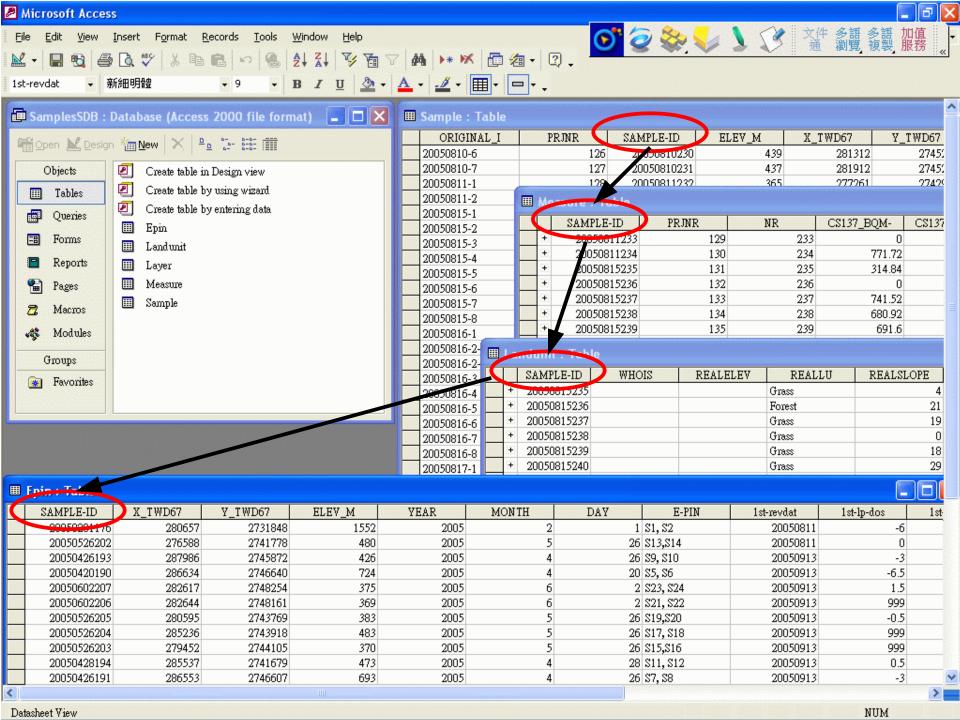


Database structure



Sample database

- Now Access, intention to move to → OpenOffice 'Base' database:
- Four tables connected by a sample ID:
 - 1. Sample
 - 2. Measure
 - 3. Land unit (sample site)
 - 4. Erosion pin

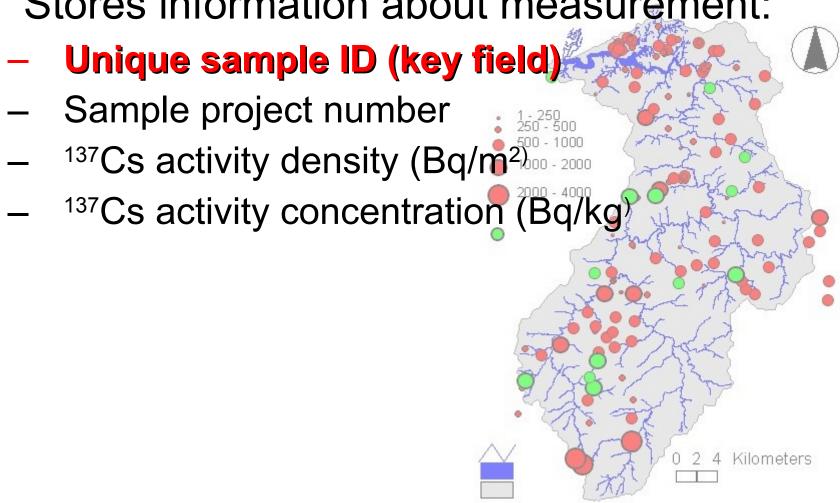


Samples table

- Stores information about each sample:
 - 1. Original sample ID
 - 2. Project sample number
 - 3. Unique sample ID (key field)
 - 4. X coordinate TWD67
 - 5. Y coordinate TWD67
 - 6. Sample date: YYYY|MM|DD

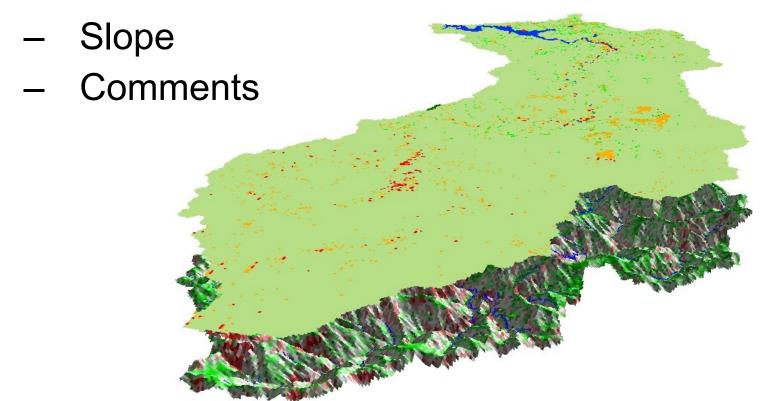
Measure table

Stores information about measurement:



Land unit table

- Stores information about sample sites:
 - Unique sample ID (key field)
 - Land use



Erosion pin table

- Stores information about sample sites:
 - Unique sample ID (key field)
 - Project sample number
 - Date of placing pin: YYYY|MM|DD
 - First re-visit date (YYYYMMDD)
 - 1st left pin down slope measurement (mm)
 - 1st left pin upslope measurement (mm)
 - 1st right pin down slope
 - 1st right pin upslope measurement (mm)

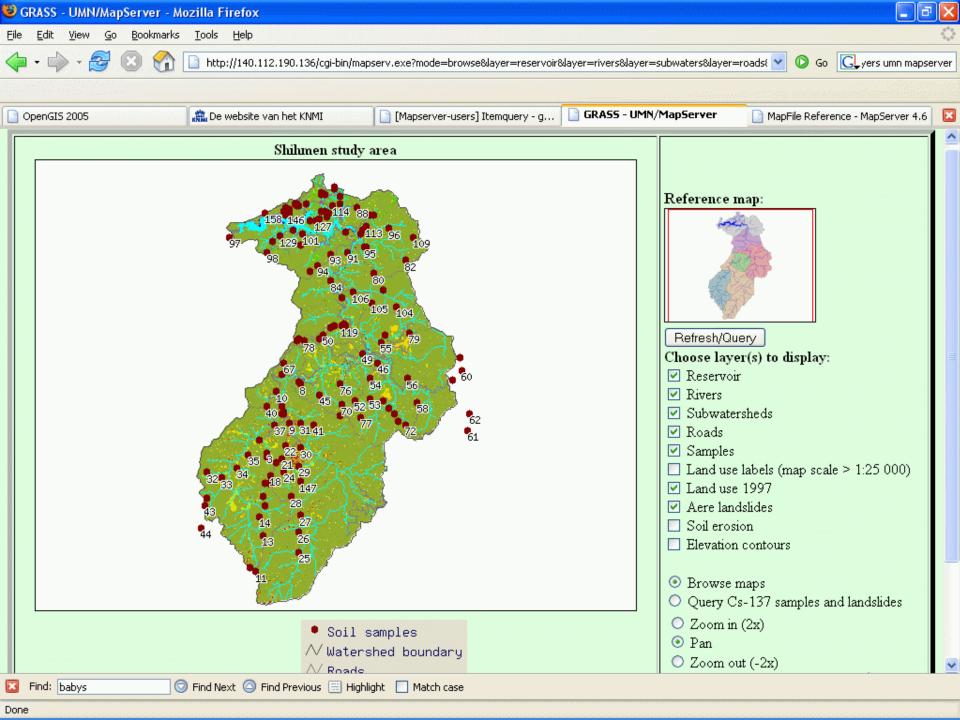
9S1. S2

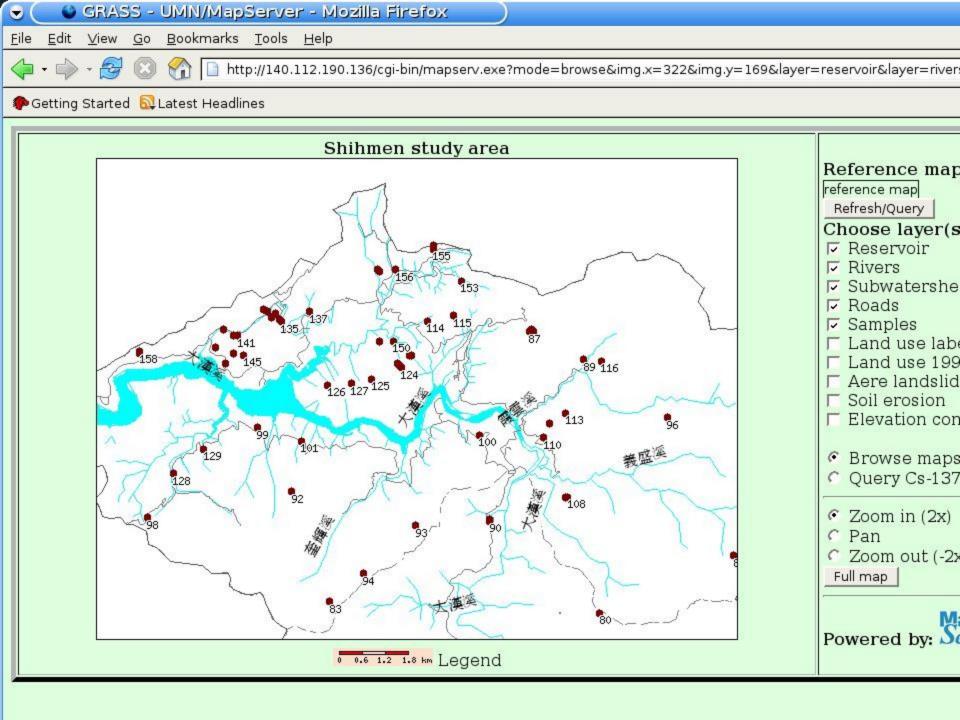
Remarks

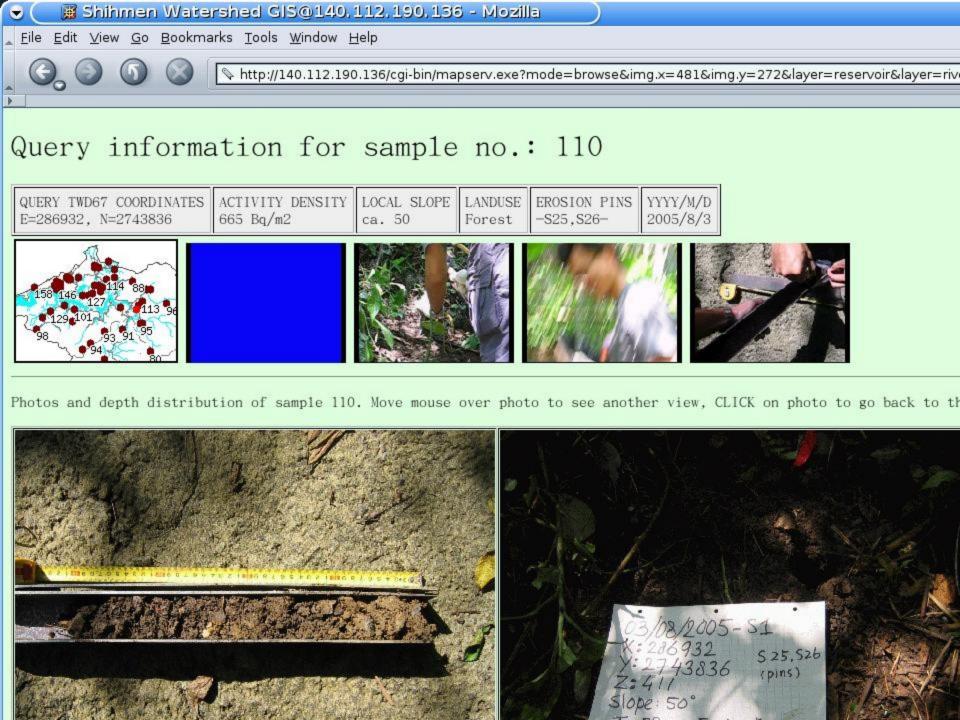


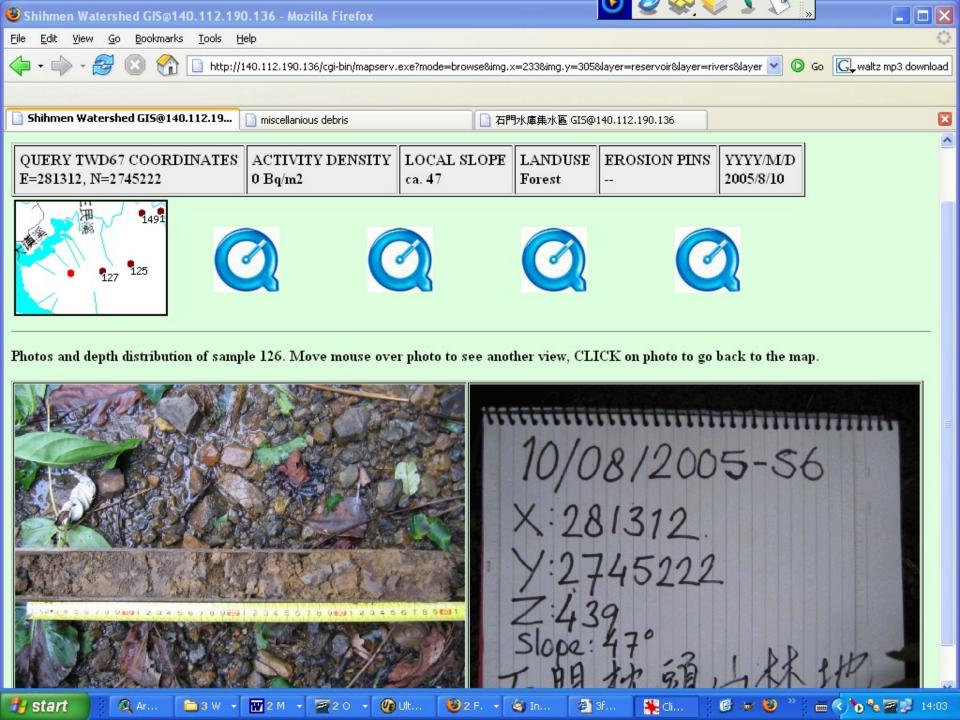
UMN Map Server

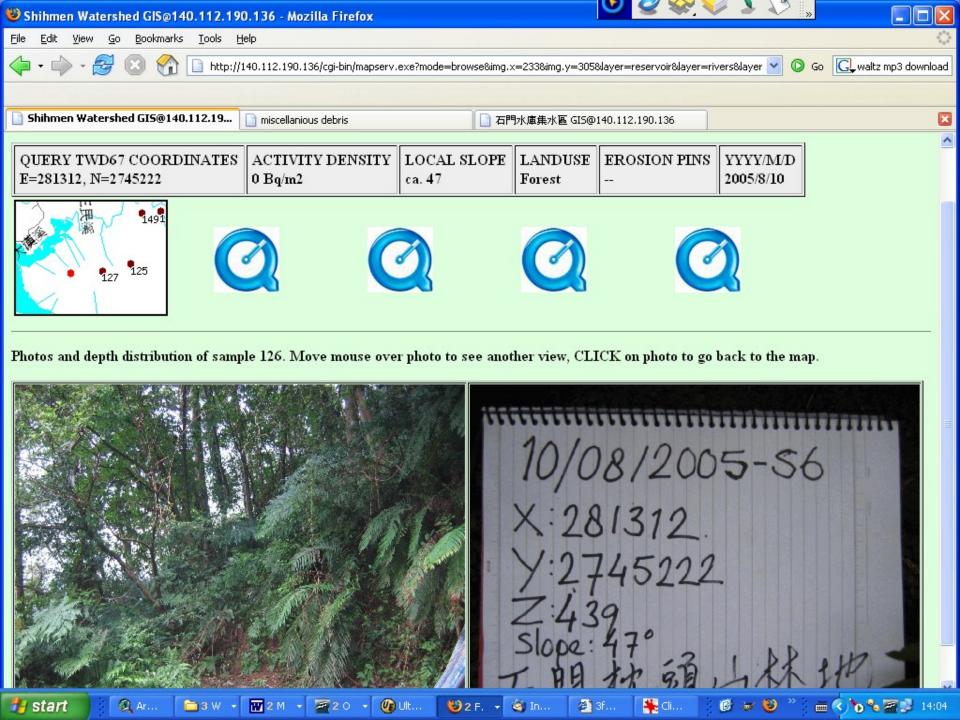
- Open Source map server developed by University of Minnesota through the NASAsponsored ForNet project
- Enables viewing, zooming and querying of different GIS formats in a web browser:
 - -# vector formats supported: ESRI shapefiles,
 PostGIS, ESRI ArcSDE and many others via OGR
 - -# raster formats supported: TIFF/GeoTIFF,
 EPPL7 and many others via GDAL

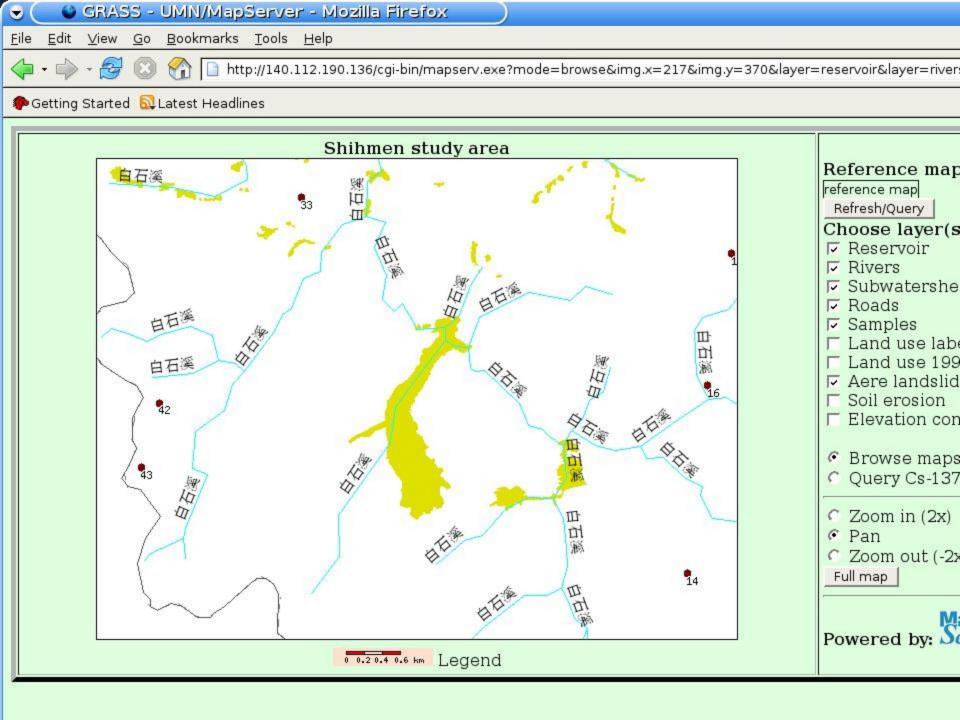


















謝謝你