GIS

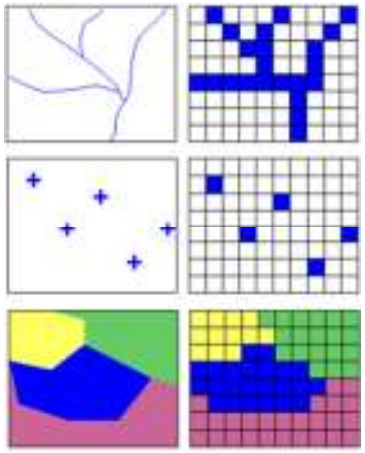
Components of GIS

- Methods / processes
- People
- Software Programmes
- Data INFO
- Hardware Equipment

Functional Elements of a GIS

- Capture / measure /observe
- Store and update
- Manage data / backup and secure
- Analyse data / find patterns
  - Spatial analysis e.g. buffers, clusters, routes, overlayes
  - Statistical anlysis e.g. sort, classify, categorise, order, intervals
- Suggest solutions and generate results

DATA types

- Meta data - describes database
- Attribute data - describe Geo features (ID, name, classify, order, categorise (Stored in tables and displayd as labels and symbols / keys)
- Spatial data - shape and location of Geo features - Georeferenced data with spatial and spectral resolution
  - Vector data - Points, Lines and Polygons - map
  - Raster data - pixels in a grid - images (remotes sensing)

DATA formats stored in computerised GIS