

Relationship Between Representation & Analysis

- Raster
 - less compact data structure
 - simple data model
 - Easier analysis of spatial variability
 - Easier analysis of spatial relationships of environmental data

- Vector
 - More compact data structure
 - More complex data model
 - Provides analysis of distribution and location of individual objects
 - works well with topological relationships (i.e. land parcels & roads)
 - difficult overlay processing