



Complex Policy Questions

Soil Carbon Budget
Nitrification
Erosion
Trans-national mapping
Digital Soil Mapping
How do soil parameters relate to each other and to Environmental and human factors needed at a range of scales?

Limited Resources

The National Soil Inventory of Scotland has data for 778 points in a 10 km grid (see results).

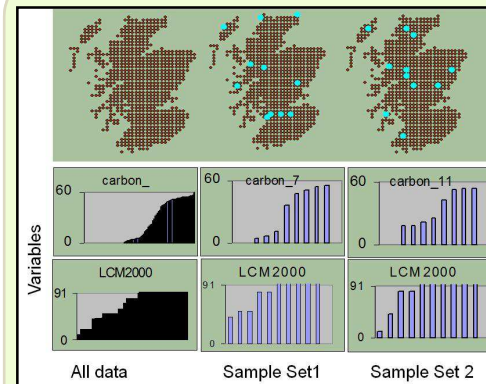
What is the best way to establish change data when resources are only sufficient to revisit c200 points?

What if we monitor only 50 points annually?

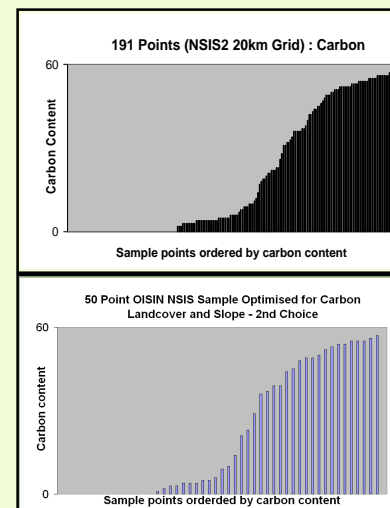
Sample Optimisation

Trends for multiple variables in random samples automatically compared with global trends using R-Stats.

Data may be taken from existing database or spatially joined to 3rd party data.



Results



Carbon d = 0.163031
Landcover d = 0.36297
Slope d = 0.190831

D = % difference from global trend



Carbon d = 0.045035
Landcover d = 0.067889
Slope d = 0.069963