





- Environmental samples have to be taken where appropriate - hence conditions may not be as well constrained as in the laboratory
- Natural systems are commonly heterogeneous over a wide range of physical and temporal scales
 - a carefully designed sampling programme is a critical first step in any study
 - in general, take as wide a range of samples as possible to determine inherent variability

Single measurements are usually of very limited value (NB Maqarin.....)























Final word

We want to do our best to improve our data quality, but to put this in perspective.....

SKB

currently, the vast majority of SKB's site characterisation data are Category 3-5 (1=best, 5=worse)

indeed, for redox calculations, less than 10% of the data are Category 1 or 2

>and several of these boreholes are 3 or more years old.....

Posiva

➢ when Posiva carried out a similar exercise on their Olkiluoto data last year, only just over 20% were assessed as Category 1 or 2 (equivalent)

