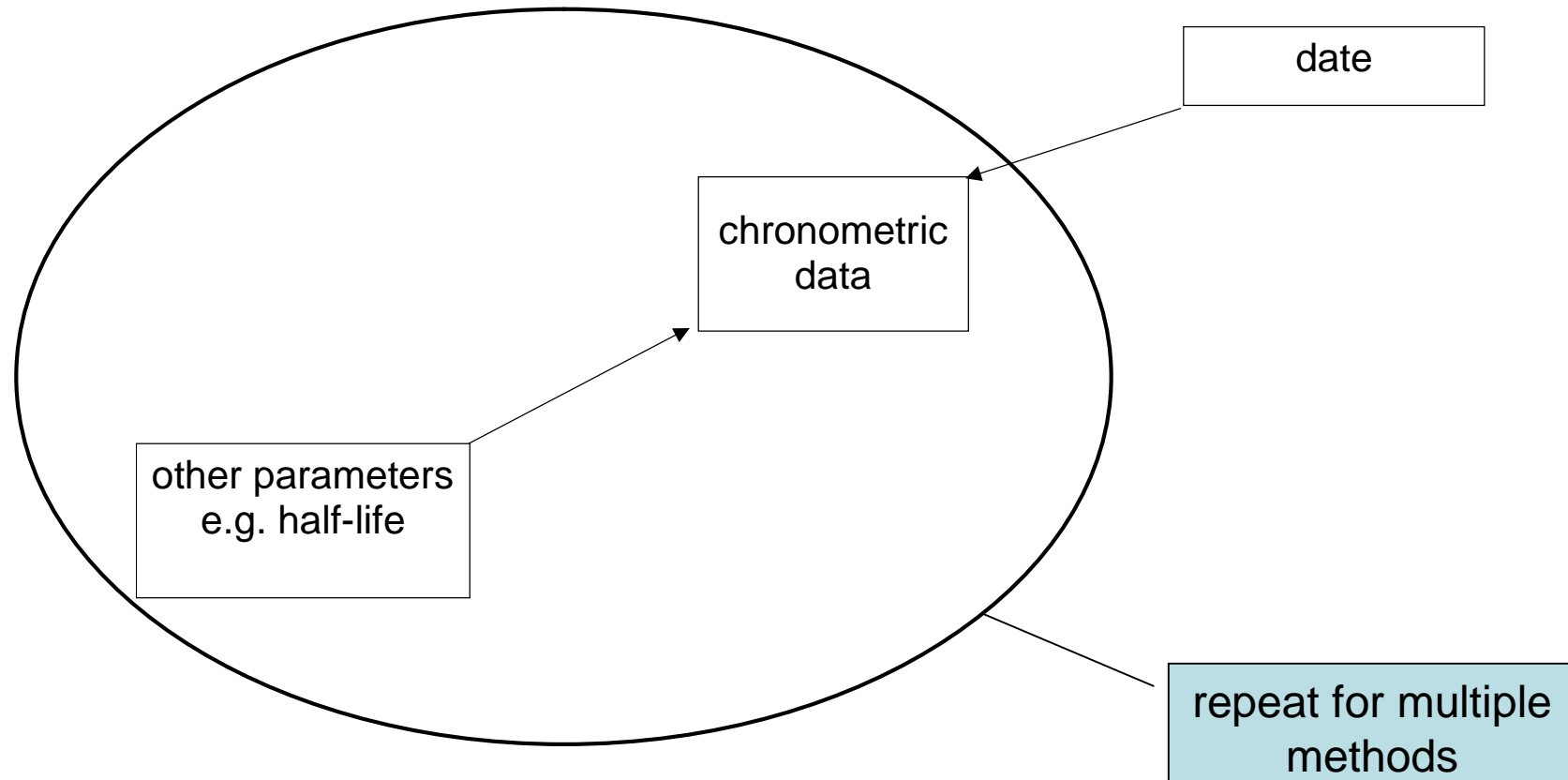


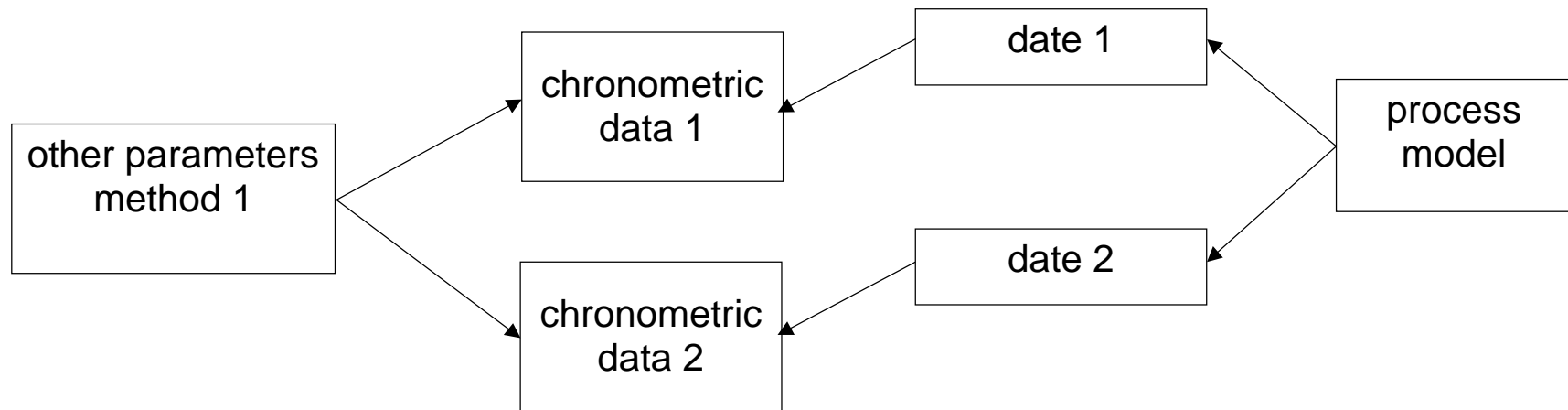
Multiple dating methods – a problem

- How to combine ^{14}C and ^{210}Pb dates?
- Current ‘obvious’ approach is:
 - Calculate ^{210}Pb dates based on a sediment accumulation model
 - combine with ^{14}C dates to give
 - new accumulation model
 - which may not be consistent with the initial accumulation model!
- Uncertainties are not properly quantified

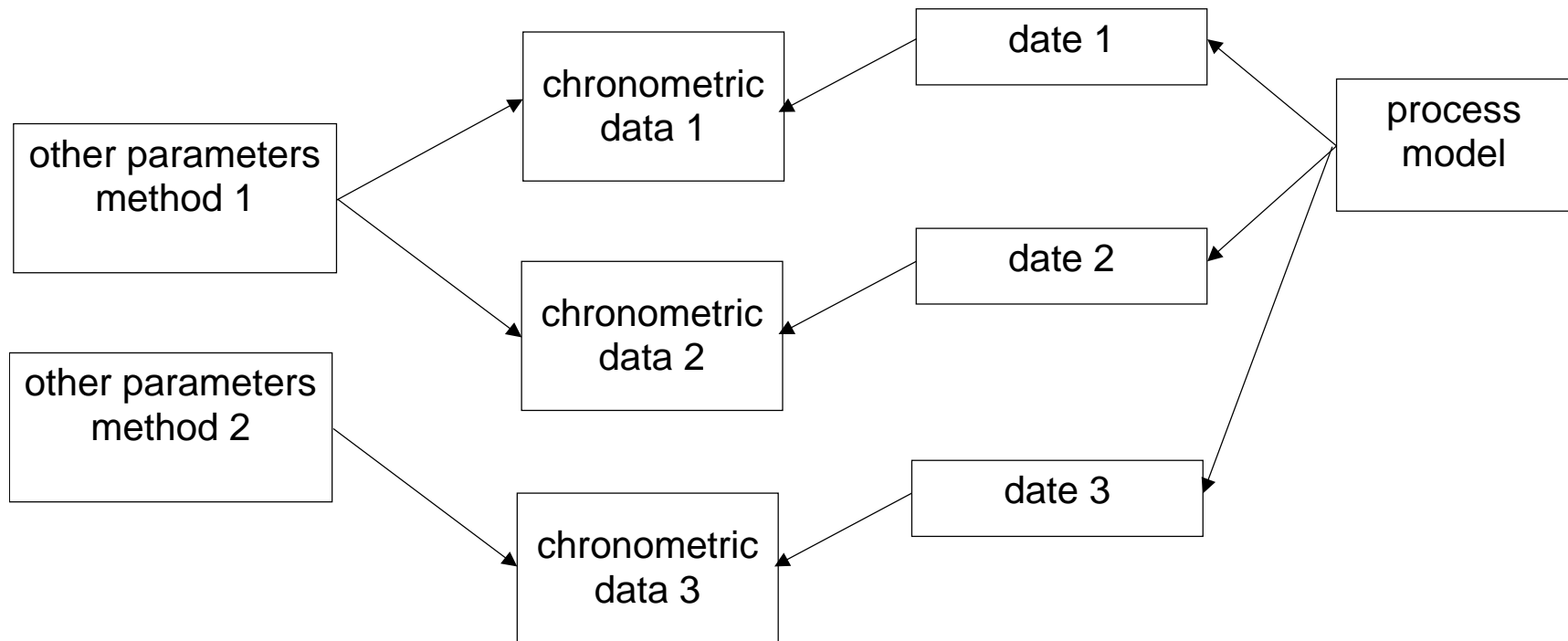
One event



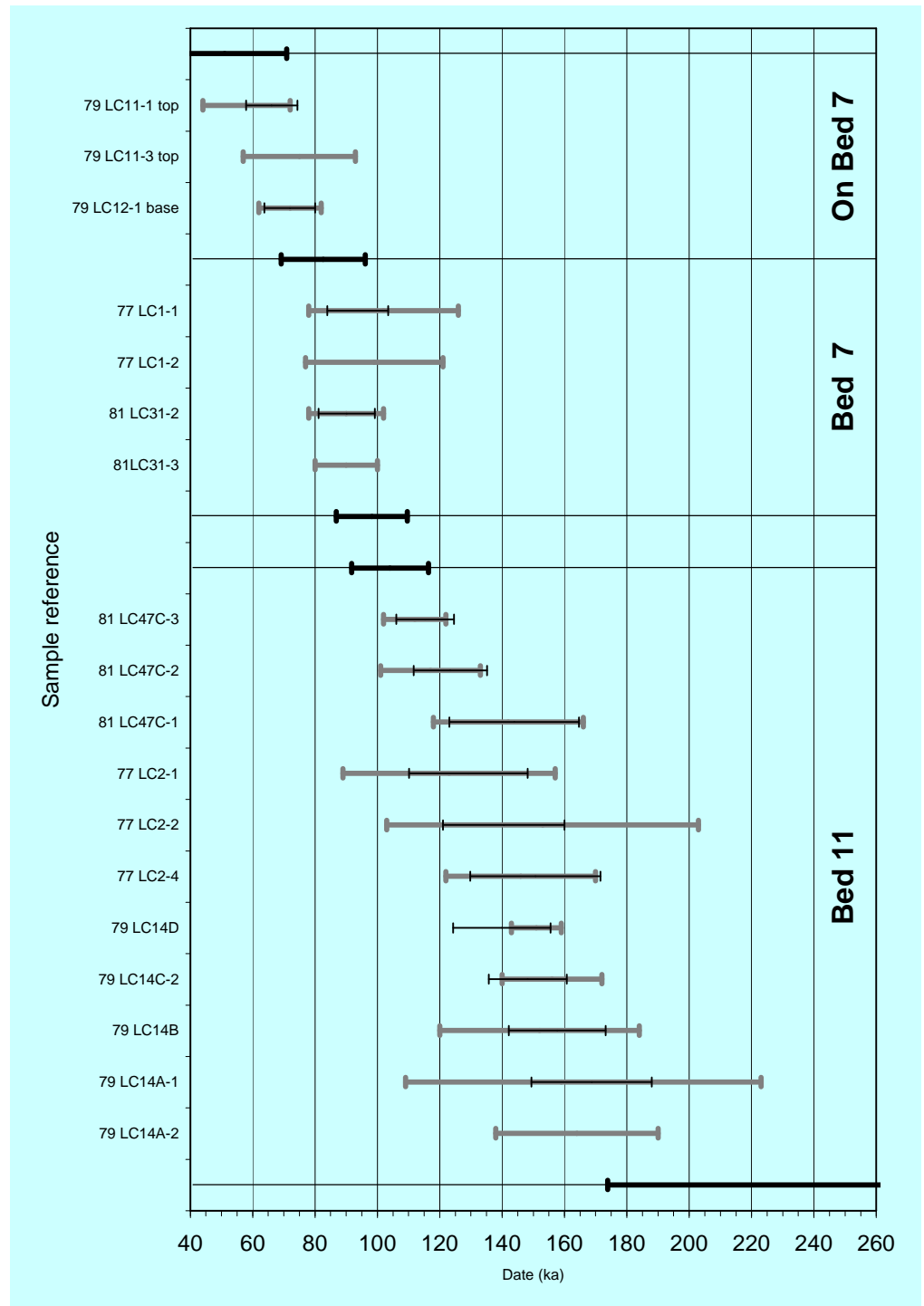
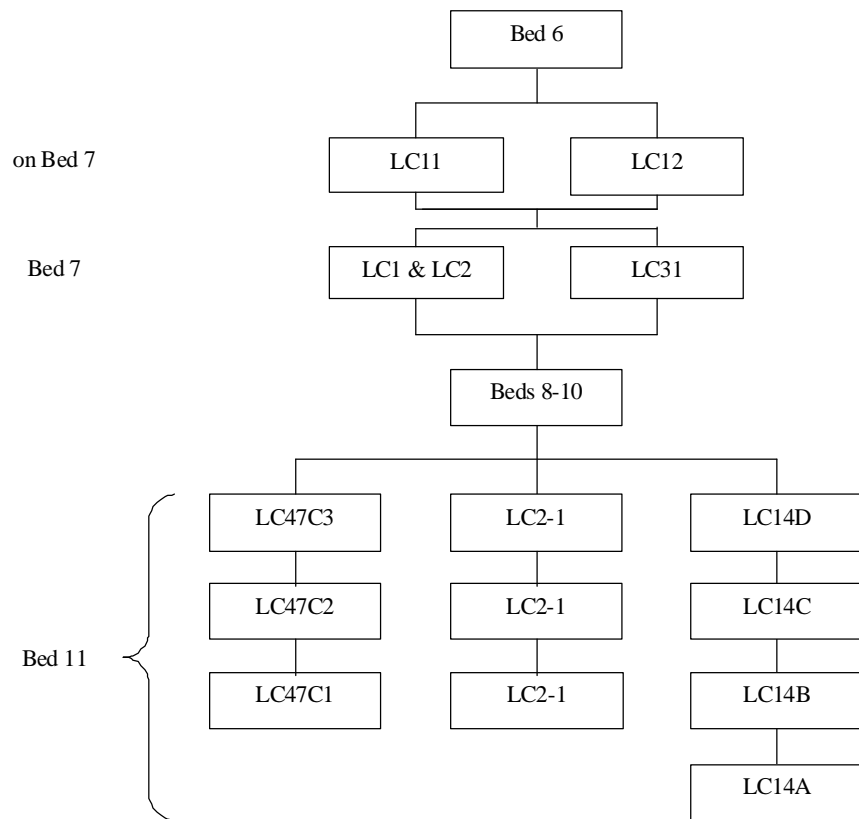
Multiple events



Multiple events



U-series at the Bourgeois Delaunay



Combining ^{14}C and ^{210}Pb

