



Paleoclimate Age Modeling

And how these methods can apply to you!

9 October 2017

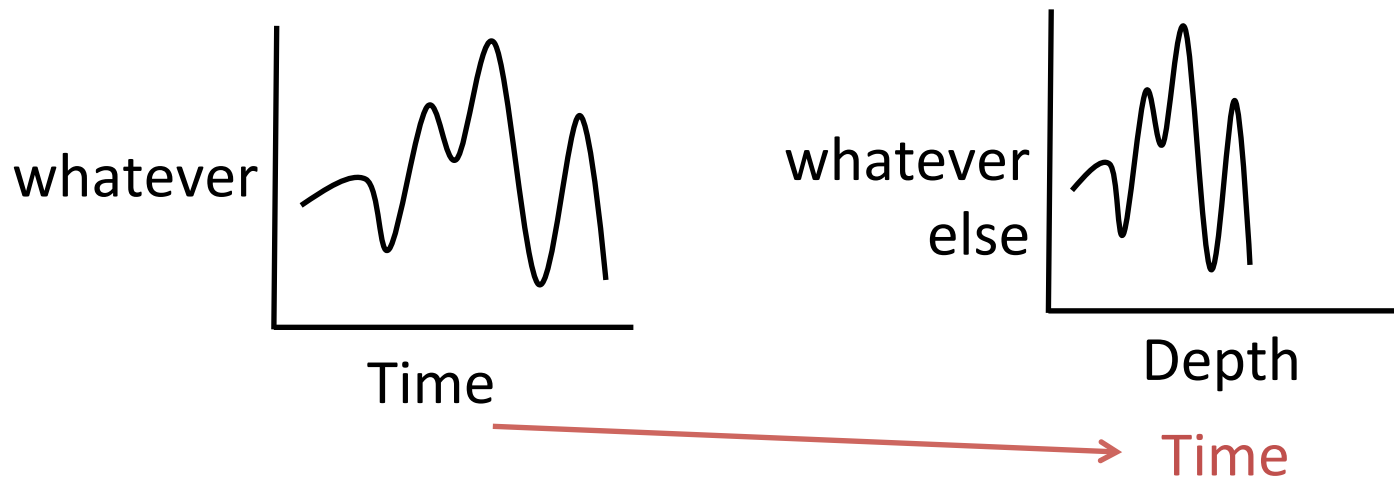
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Paleoclimatology

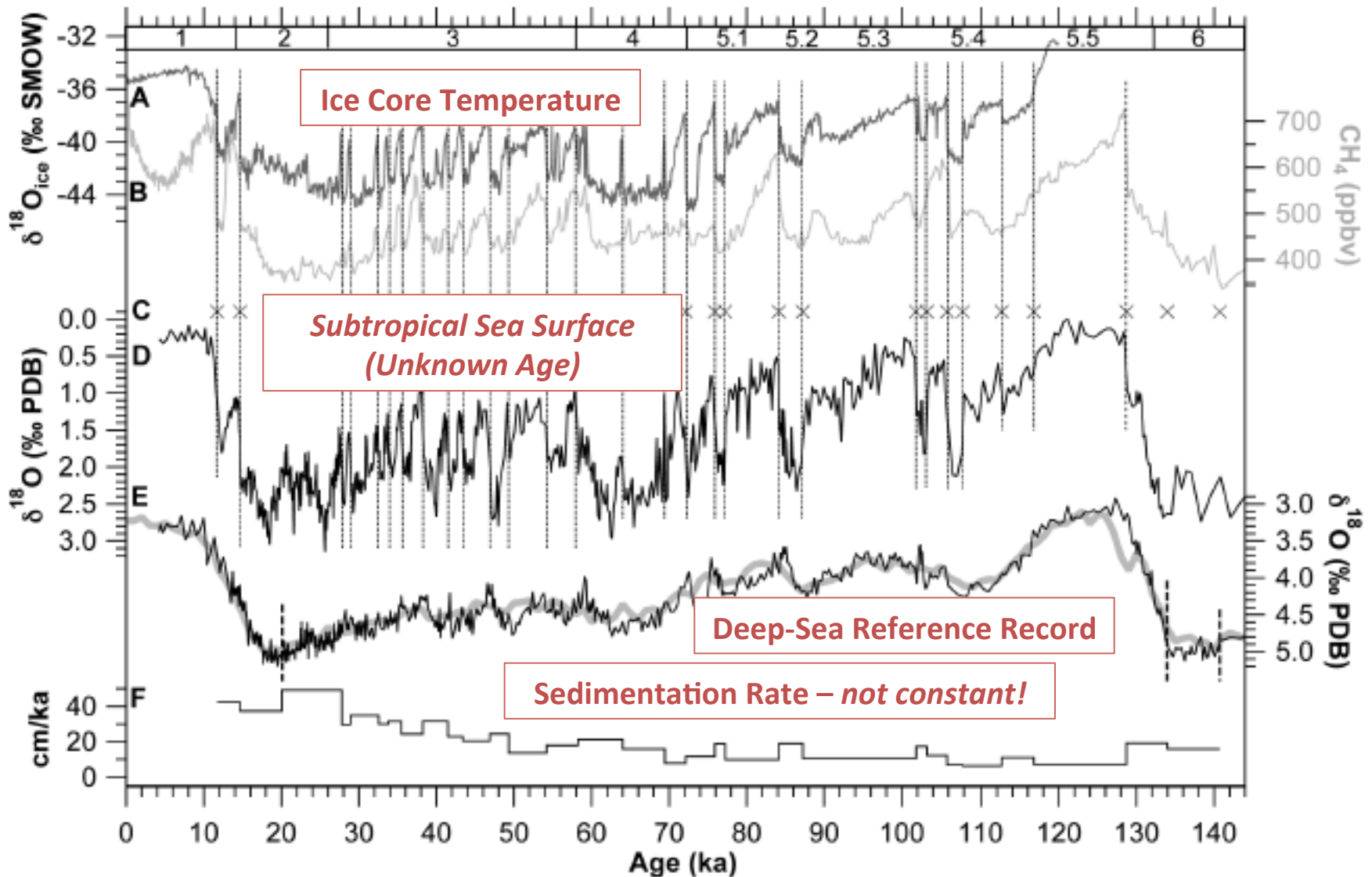
- Time (x axis) is crucial... and most important!
- Records can have absolute dates
 - Radiometric dating, band-counting, etc...
- What if absolute dating isn't available?

“Wiggle-Matching”

- Match a climate record with known ages to a record with unknown ages
- Must have a mechanistic link between proxies

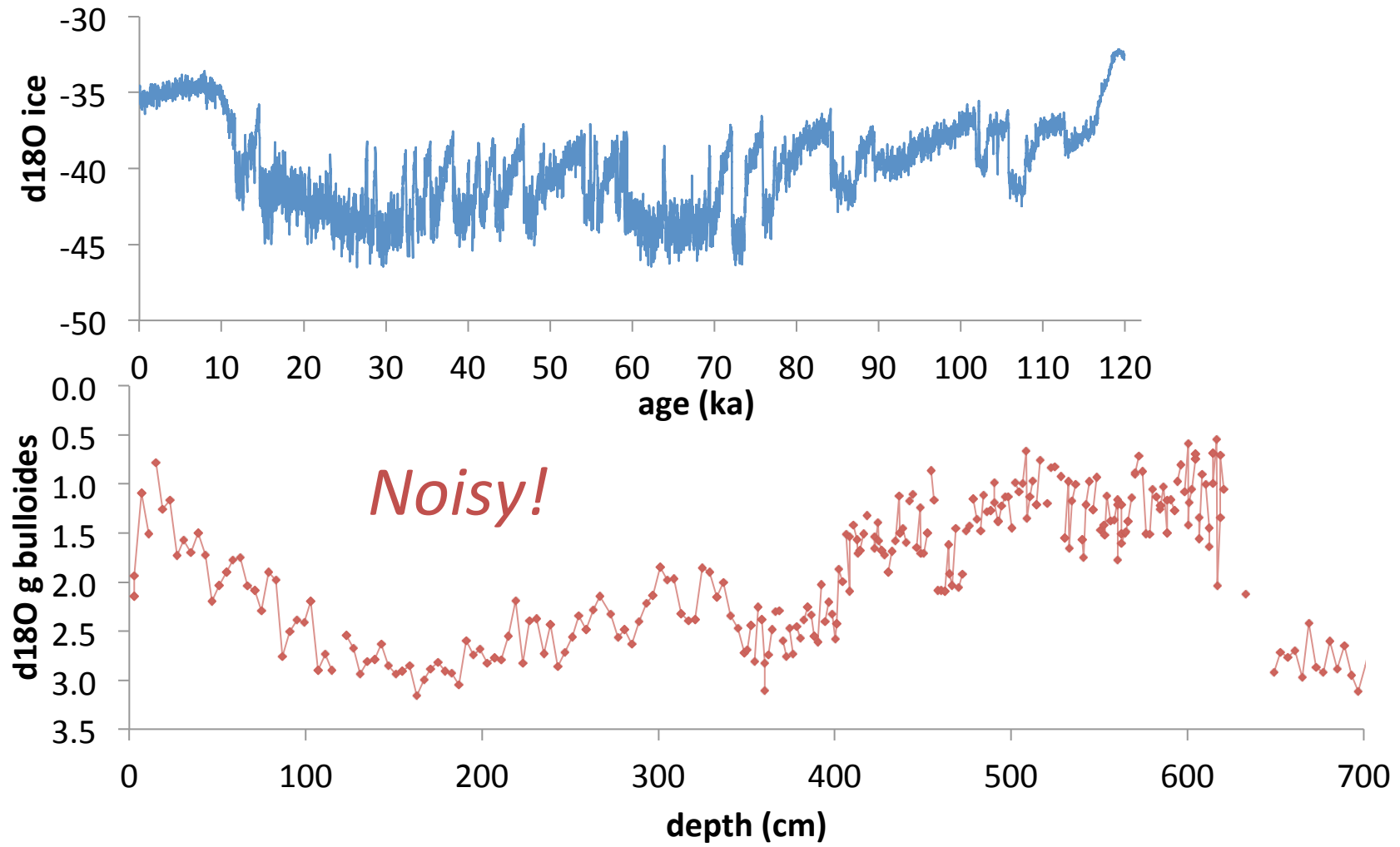


“Wiggle-Matching”



PROBLEMS.

- Not always clear; at best, subjective



Goals

- Tune my benthic record with target benthic record (with known ages)
- Propagate error

Currently done visually ->
How can we improve?

