



Climate Simulations  
*SST or TS*

Proxy records (metadata)  
*core locations, proxy types and species, sedimentation rates, and age ensembles*

Construction of pseudo-proxies

- Extract temperature at proxy location
- Select an age ensemble
- Transform signal (via sedproxy)

Pseudo-proxies  
*synthetic SST records*

Reconstruction algorithm

Pseudo GMST

Area-weighted average

Simulated GMST

Comparison