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The different approaches for reconstructing palæogeography at the global scale in deep time

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Plate tectonic reconstructions are different from palæogeographic reconstructions. The latter can be derived from the former, but not the opposite.

Many end-users (palæontologists, palæoclimate or mantle dynamics modellers) use a map (often without citing the source) of ***the*** palæogeography for a given time. However, there are various reconstructions of palæogeographies, based upon numerous plate tectonic models.

Aimed primarily at end-users, the presentation will focus on what are the main similarities and differences when creating a plate tectonic model. Then, different ways (mainly two) of proposing palæogeographies will also be discussed.

This information is crucial when using such maps and can have a significant impact on interpretations drawn from climate simulations or studies of the evolution of life through Earth history.