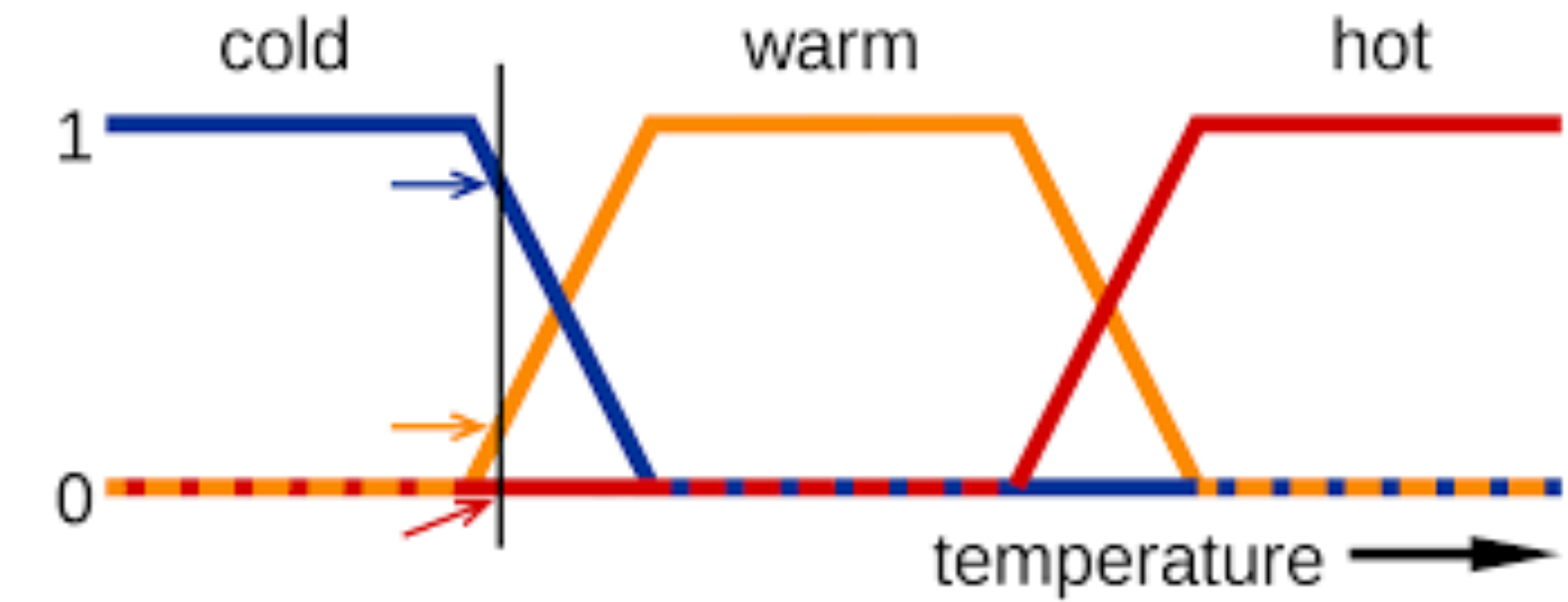
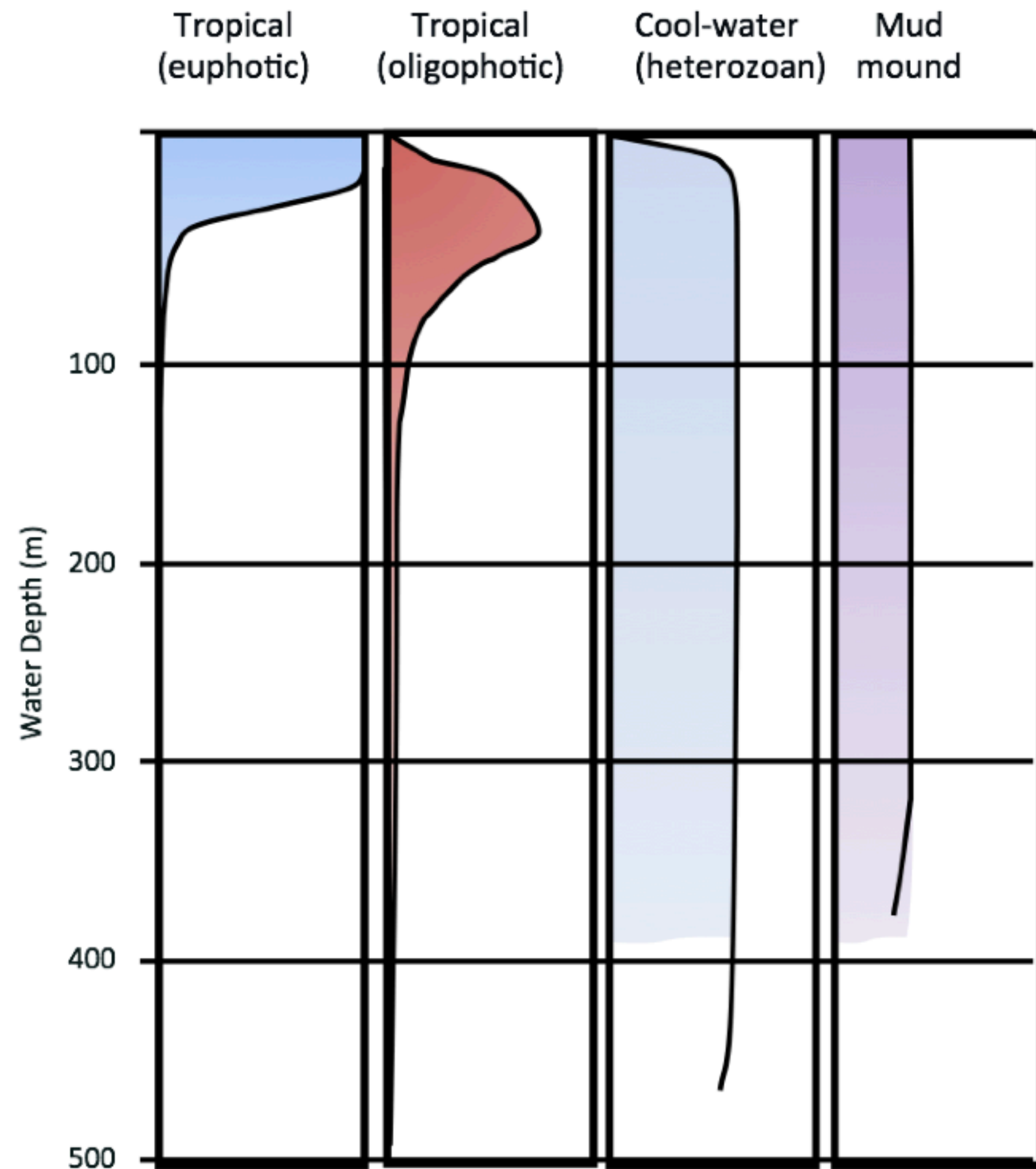


# Alternative modelling approaches

## Fuzzy logic



Standard paradigm: carbonate factory type, represented by carbonate production profile, controls platform architecture



*Rule 1: Rudist reefs will form rapidly when a site is at the surface, very far from a river, exposed to open water, in a hot region, is not on land and has no sediment input.*

*Rule 2: Pelagic reefs will form rapidly when a site is in the photic zone, very far from a river, far from the shore, not at the surface and has no sediment input.*



# Alternative modelling approaches

## Fuzzy logic

