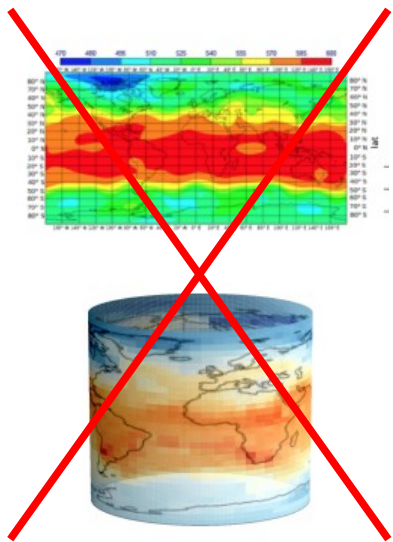
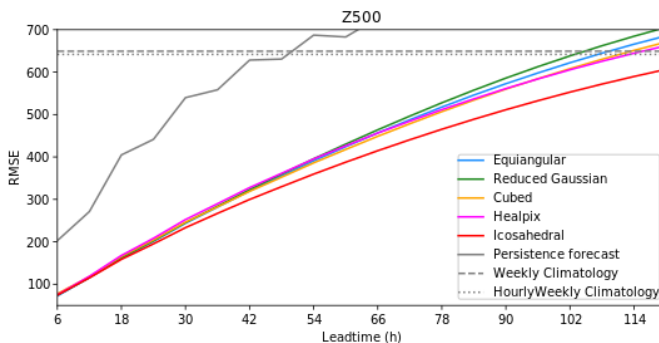
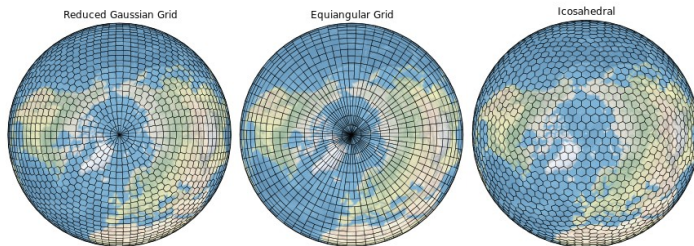


# Learning on the sphere

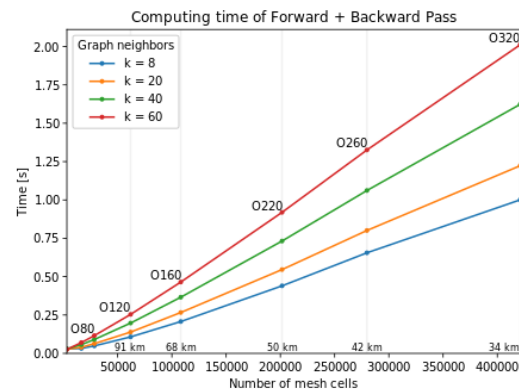
Topology and geometry of the Earth



Any (unstructured) grid:  
no interpolation!



Scalable



convolution  $y = \sum_k w_k L^k x$

pooling  $y = Px$

non-linearity  $y = \sigma(x)$