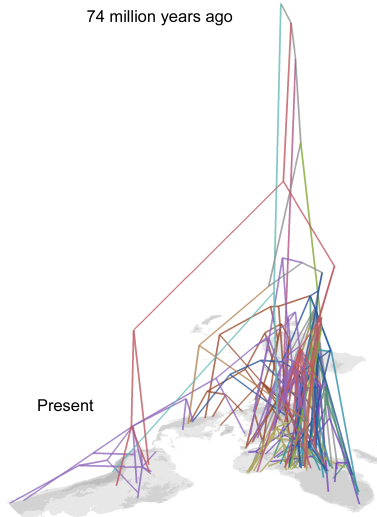


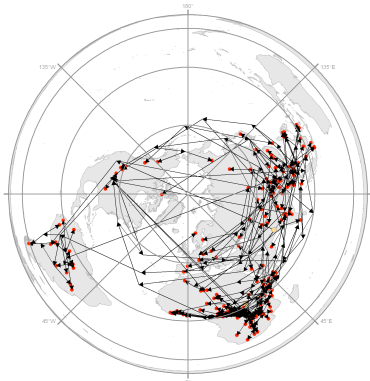
# Artiodactyla Evolution in Space and Time

Artiodactyls are even-toed hoofed mammals which are believed to have originated on the Indo-Pakistani subcontinent around 74 million years ago. Subsequently they spread and diversified across all continents except Australasia. Some groups adapted to specialist ecological niches, for example the duikers (Cephalophinae), while others like the sheep and goats (Caprinae) are generalists.

74 million years ago



Present



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Phylogeny from Price, Gittleman & Bininda-Emonds (2005) *Biological Reviews* 80 (3): 445-473, with branch lengths from Bininda-Emonds et al. (2007) *Nature* 446: 507-512. Range centroids derived from Sechrest (2005) PhD Thesis, Department of Biology, University of Virginia. Biomes derived from World Wildlife Fund Terrestrial Ecoregions Database, Olson et al. (2001) *Bioscience* 51: 933-938. Geophylogeny created with GeoPhyloBuilder extension from ArcGIS. <http://www.nescent.org/informatics/software.php>. Silhouettes copyright Brent Huffman, <http://www.ultimateungulate.com>.

