**BioDivDyn Course TUB – Kramer-Schadt. Modelling. Provided data source and description:**

The following raster data has been prepared and calculated for the Borneo Carnivore Symposium 2011 in Kota Kinabalu, Sabah, Malaysia, and is extensively described in Kramer-Schadt et al. (2013), Diversity & Distributions.

*Folder geo\_raster\_current\_asc* **Raster data.**

All climate data (bio\_asci 1-19) were downloaded from the worldclim webpage (https://worldclim.org/data/index.html).

- bio\_asc\_1 - mean annual temp (up to bio\_asc\_11 temperature statistics)

- bio\_asc\_12 - mean annual precipitation (up to bio\_asc\_19 precipitation statistics)

- bio\_asc\_21 - distance to water streamnet 5000 (high resolution with small water courses)

- bio\_asc\_22 - ruggedness

- bio\_asc\_24 - DEM (digital elevation model)

- bio\_asc\_27 - distance to water (coarse; main rivers only)

- bio\_asc\_42 - land use categories (be careful: categorical data!!!!! not a number!)

##### Land use categories (bio\_asc\_42); see Kramer-Schadt et al. 2013; Struebig et al. 2015 a,b; Gaveau et al. 2013, 2014 ## Please do not distribute the asci-files! ##############

1. Lowland forest 0 - 500m 2. Upland forest 501 - 1000m

3. Lower montane forest 1001 - 1500m 4. Upper montane forest > 1500m

5. Lowland forest (fragmented or degraded) 6. Upland forest (fragmented or degraded)

7. Lower montane forest (fragmented or degraded) 8. Upper montane forest (fragm. or degrad.)

9. Swamp forest 10. Mangrove

11. Old plantations 12. Young plantation and agriculture

13. Burnt forest area 14. Mixed crops

15. Water and fishponds 16. Water bodies

17. No data

Folder *geo\_raster\_future\_asc* **Raster data**.

You will find rasters with the same name (but different content for bioclims 1, 12 and 42!!!!) here in the *geo\_raster\_future\_asc* folder (here climate projections (IPCC CMIP3 Hadley) and land cover projections (Gaveau et al. 2013, 2014) for 2080 as in the *geo\_raster\_current\_asc* -folder, but the CONTENT of these maps is different; these maps contain also the climate and land use, but projected to the year 2080!

**Geo-vector Data**

Borneo\_Admin.shp = boundaries of countries and counties in Borneo (polygons) (DivaGIS data)

Borneo\_PA.shp = protected areas on Borneo (polygons) (DivaGIS data)

sn\_100000.shp = rivers of Borneo (lines) (DivaGIS data)

*Folder animal\_data:*

Csv or shapefiles with simulated species records

And IUCN\_Terrestrial\_Mammals.shp : outline of mammal ranges