EXERCISE 7

Preparing environmental layers for species distribution modelling (Part 2)

Using Modelbuilder greatly facilitates tasks that are repetitive and take a significant amount of time due to the large data size of environmental layers. This exercise continues the procedure used in Exercise 6 to prepare the environmental layers for modelling in Maxent

Objectives (at the end of this module, the user should be able to)

1. Create a model for processing raster environmental data
2. Produce a set of environmental layers to be used for Maxent

Requirements:

1. Software required include ArcMap Version 10 and Maxent (download from http://www.cs.princeton.edu/~schapire/maxent/).
2. Knowledge of ArcMap use.

Expected time to finish: 1 Hour

Preparing the Environmental Layers for Species Distribution Modelling (Part 2)

1. In Modelbuilder, Clip the Bio- clim layer to the New Zealand coastline
2. Set the NoData value to -9999
3. Convert the resulting raster file into ASCII files which is required by Maxent