**Test Summary**

This test is to check that the output of the brt projection experiment is accurate.

**Preconditions & Test Data-sets Required**

occur.csv

bkgd.csv

future climate layers (RCP3PD\_cccma-cgcm31\_2055 | bioclim01-bioclim19.tif)

model.object.RData (produced by “brt Model Evaluate.docx” test script)

**Test Steps**

1. Log in to the BCCVL
2. Select Experiments tab
3. Click new Projection Experiment
4. Enter “Phascolarctos cinereus brt projection” as the name for this experiment.
5. Enter “Phascolarctos cinereus brt projection RCP3PD\_cccma-cgcm31\_2055” as the description of experiment
6. Click Next
7. Select distribution model “Phascolarctos cinereus brt model and evaluation” under Species Distribution Models
8. Click Next
9. Select 2055 for Years
10. Select RCP 3PD for Emission Scenarios
11. Select cccma-cgcm31 for Climate Models
12. Click Next
13. Click start Experiment

**Expected output in files:**

1. future.tif – brt model projected onto future climate layers
2. Rplots.pdf - histogram of each climate variable’s relative influence on the model

**Comments**

Test Step #7 I’m not sure what this is going to be called, I’m assuming same as the name of experiment which created the model

Outcome Step #2 This file is automatically generated by the brt projection function. At some stage, it would good to replicate this functionality across all model algorithms. For now, probably best to ignore it.