**post.plt.r**

**Purpose**  This function compares the posteriors and priors for the model parameters. There are two types of parameters, ones that vary annually and ones that are assumed fixed.

**Version Control**  Likely several versions of this exist, but this version rules them all

**Required packages** None

**Locally Derived Functions** None

**Section 1**

This plots the posteriors for all saved model parameters along with their priors. Some parameters are estimated only once while others are estimated annually so these are handled separately. Plots are set up to be multi-row/columns so that they are approximately square unless you specify the rows/columns yourself. Priors are added as red lines to the posterior histograms.

***Argument(s)***

1. model.out The model output, works with raw model output and with the

projections. Default = missing, must be supplied

1. priors The model priors. Default = missing, must be supplied
2. years The years of interest, this must align with the model years. Default =

missing, must be supplied

1. nr Number of rows for the figures. Default = Null, rows determined from

the number of years (approximately square figure)

1. nc Number of rows for the figures. Default = Null, columns determined from

the number of years (approximately square figure)

1. wd The width of the figure, default = 8.5
2. ht The height of the figure, default = 11
3. graphic Where to plot the figures. Options are 'screen' (default) and 'pdf'
4. xl.type The x axis range for multiple year priors/posteriors. Default of 1 has a

common x axis range for all years, 2 allows x-axis range to vary

1. multi Plot the posteriors for parameters estimated each year. (T/F) default=T
2. path Path to save if producing a pdf, default = ""