

## **PBSmodelling Updates (version 2.10) – May 14, 2009**

This document provides updates not covered in the main User's Guide since version 2.01.

### **New user functions added since last revision of the User's Guide:**

`cleanWD`.....Launch a GUI for file deletion  
`convSlashes` .....Convert slashes from UNIX to DOS  
`clearRcon`.....Clear the R console  
`doAction` .....Execute an action created by a widget  
`evalCall` .....Evaluate a function call  
`focusRcon`.....Give focus to the R console  
`getPrefix`.....Get prefix of system files with specified suffix  
`getSuffix`.....Get suffix of system files with specified prefix  
`packList` .....Pack a list with objects  
`showPacks` .....Show packages required but not installed  
`testAlpha`.....Test various alpha transparency values  
`updateGUI` .....Update the active GUI with values from R's memory  
`viewCode` .....View package R code

### **New namespace (hidden) functions since last revision of the User's Guide:**

`.doCleanWD`.....Execute cleaning routines when called from `cleanWD`  
`.findSquare` .....Calculate rows `m` and columns `n` from a scalar `N`  
`.forceMode`.....Attempt to force a direct mode change

### **Revised existing functions:**

`cleanProj` .....Changed structure to be more versatile and to close itself after cleaning  
`plotBubbles` .....Allow data frames and argument resolution through `evalCall`  
`readList` .....Allow reading of PBS formatted arrays  
`runDemos` .....Execute `require` statement before running a package demo  
`showArgs` .....Cleaner display of GUI argument defaults  
`writeList` .....Allow writing of PBS formatted arrays; use `typeof` in place of `mode`  
  
`.doClean` .....Execute cleaning routines when called from `cleanProj`  
`.makeCleanVec` ....Insert “'” delimiters around file names in GUI vector declarations  
`.pFormatDefs$array` (definition) Expanded the definition of a PBS array object