This is a subdirectory for templates of user-defined diagrams, either stand-alone, or their plates.

All \*.r and \*.R files stored in this subdirectory, except those whose name starts with underscore ("\_") are sourced every time the menu item 'Plots|User defined...'

is invoked. Hence the list of available diagrams is always built on fly, using the function .userlist().

For stand-alone, single Figaro templates, the crucial information is:

\* Name of the plot: sheet$demo$template$GCDkit$plot.name

\* Sequence number of the plot in the menu: sheet$demo$template$GCDkit$plot.position

\* Name of function defining a diagram

For a plate of Figaro templates:

\* Name of the plot: plate$plot.name

\* Sequence number of the plot in the menu: plate$plot.position

\* Name of function defining a plate

In both cases, the file should define a single function of a name identical to the filename.

'Sequence number' above is any positive real number (i.e., does not have to be an integer).

So far, the user-defined diagrams have to reside in the Diagrams/User subdirectory, cannot be used for classification and cannot have language versions other from

English.

\* HTML documentation is linked to the help system automatically. However, this is only done when the \*.htm file, named exactly

like the function, resides in Diagrams/User/doc subdirectory. See examples.##### TODO - FOR BLOG

Adding a new classification plot to GUI is rather easy. You just put a copy among the classification plots, so into a directory with a name such as:

....\R-3.2.1\library\GCDkit\Diagrams\Classification\English

You can have a look say into TAS diagram, and find the following row:

GCDkit=list("NULL",plot.type="binary",plot.position=21,plot.name="TAS (Le Bas et al. 1986)")

These serve for automatic generation of an object called claslist

and this object serves for creating the related menu.

plot.name is a full name as it will appear therein

plot.position is a sequence number (does not have to be integer), 10<x<20 for general, 20<x<30 for volcanic and 30<x<40 plutonic rocks.

So if you want to put a volcanic plot between TAS[21] and TAS (Cox) [22], number it 21.4 or 21.456666 for instance.