```
multiscale::analysis
           ::MatFactory
   # rows
   # cols
   # simulationTime
   # ERR INPUT OPEN
   # ERR IMG RESOLUTION
   #ERR IN EXTRA DATA
   + MatFactory()
   + ~MatFactory()
   + create()
    + createFromViewerImage()
   + maxColourBarIntensityFrom
   Viewerlmage()
   # initInputFile()
   # processConcentrations()
   # convertToIntensity()
   # isValidViewerImage()
multiscale::analysis
        ::CircularMatFactory

    ERR UNIMPLEMENTED METHOD

- INTENSITY MAX
- ROI START X
- ROI START Y
- ROI RADIUS
- INPUT IMG WIDTH
- INPUT IMG HEIGHT

    COLOURBAR MAX X

    COLOURBAR MAX Y

+ CircularMatFactory()
+ ~CircularMatFactory()
+ createFromViewerImage()
+ maxColourBarIntensityFrom
Viewerlmage()
# processConcentrations()
# isValidViewerImage()
- createCircularMask()
```