**Sizing images for projection**

***Your image can be smaller but CAN NOT exceed these dimensions in either direction:***

 **1024 pixels wide 768 pixels tall**

**Why:**

Images for projectors should match the pixel dimensions of the projector. As with computer monitors, projectors also have their own display dimensions. For example, most 4:3 aspect projectors have a display of 1024 x 768 pixels, so an image that is 1024pixels wide by 768 pixels tall with a 72 PPI resolution would be an ideal image size to be displayed from a projector. Whatever your image proportions, Landscape, Portrait or Widescreen etc., your image should be resized to fit ‘through the projector’s window’.

**If your image is in landscape orientation** the longest side is the horizontal dimension and therefore should be set to match the projectors horizontal dimension of 1024 pixels.

**If your image is in portrait orientation** the longest side is the height and should therefore be adjusted to match the projectors vertical dimension of 768 pixels.

**If you have a square image** it must still be made to ‘fit through the projectors window’. The smallest dimension of this ‘window’ is the vertical of 768 pixels, so your image should be resized to 768 x 768 pixels.

**How:**

There are many software packages for editing images but they all have very similar resizing options which are usually found under the menu item Image, then Resize. Once selected this should bring up a dialog window with a variety of selections and check boxes. If any of the following are present ensure that they are set or ticked as follows:

**Pixel Dimension:** this is where you set dimensions as explained above.

**Constrain Proportions:** ticked

**Resample Image:** ticked and select ***Bicubic***

**Scale Styles:** ticked

**Resolution:** this will display the current resolution of your image and is not relevant to image projection and can therefore be left unchanged. However, it should not be less than 72 PPI

**Colour Profile:** check that your image has the best colour profile for projection by going to the menu item Image, then Convert to Profile and select **sRGB** in the dialog box

**Your image should then be saved as JPEG**

*Geoff Mason, Jan 2016*