

## Who Does Image Processing?

### Pre-Processing

(Before taking the shot!)

- Adjust the camera settings
    - the camera is set to **manual**
      - choose the focus point
      - set the aperture (depth of field)
      - choose a suitable ISO
      - decide on the shutter speed
- OR
- the camera is set to **automatic**
    - choose appropriate scene from menus  
(scenes are created by manufacturer)

## Post-Processing

(Everyone does it!)

- Image hits the camera's sensor ... What now?
  - if the camera was set to **manual**
    - RAW files are created (if selected)
    - uncompressed files (quite large)
    - image is unaltered by camera's software
    - needs manual post-processing using software
    - files are usually 20MB or larger  
(lots of image data)
    - manual image file-editing is recommended

OR

- if the camera was set to **automatic**
  - JPEG files are usually created
  - post-processing is done immediately by the camera  
(using scenes programmed by the manufacturer)
  - image files are compressed by the camera
  - unnecessary data is deleted by the camera
  - files are usually less than 10MB  
(limited amount of image data)
  - manual image file-editing is limited