## First ITH (Image Trait Handler)

At this stage I plan for the **image IDs to be formatted as strings**. It seems clear that colour values take up a lot of characters, spanning 3 or 4 spectrums means 3 or 4 scalar values to be recorded. This is expensive, and may require either:

1. Planning for a larger string value to be recorded.
2. Reducing, through an imposed limit, or best judgment per example, the amount of data which each trait handler contributes to the image ID.

## Work Flow

The project will work in the following flow, with a strong visualisation of test results guiding the process after each cycle.

1. Determine the nature of a new Image Trait Handler
2. Develop the ITH
3. Run the test program using the new ITH, along with any pre-existing ITH’s.
   1. If false negatives occur, go to step 2
   2. If false positives occur, go to step 1
   3. Otherwise:
      1. If the test program runs with an acceptable set of test cases, then we are done!
      2. If the test program needs more test cases, add them and repeat step 3.