

Your assignment is to create and test a supervised map from your satellite image

First SUBSET the image to be approx 25kmX25km in size

Using the methods from this course create a supervised classified map of *yourname_class.tif*

The classes to find are:

Grassland

Builtland

Peatland

Crop

Forest

Natural Vegetation

Water

Bare Soil

Assess the accuracy of your map by comparing its outputs to 50 random points checked against the aerial imagery base image.

Report

- Report:
- Intro (why use Remote sensing).
- Data (half a page on the satellite image you are using- satellite source characteristics etc).

- Location- provide a map showing where your satellite image is in Ireland
- Method (how supervised classification works in theory). Examples of training data for each class
- Results including Error Matrix
 - Report should contain lots of images and no more than 2000 words

 - **Deadline Nov 30th**
 - **Electronic submission only by email to me:**
 - **Stuart.green@teagasc.ie**

Helpful sites

- <http://virginiaview.cnre.vt.edu/education.html#RSinArcGIS10>
- This is an excellent resource with step by step guides to all you'll need plus Videos on how to do it.