

Fractional Vegetation

This takes the normalized difference vegetation index (NDVI) ratio and produces a normalized output expressed as a percentage ranging from 0 to 100.

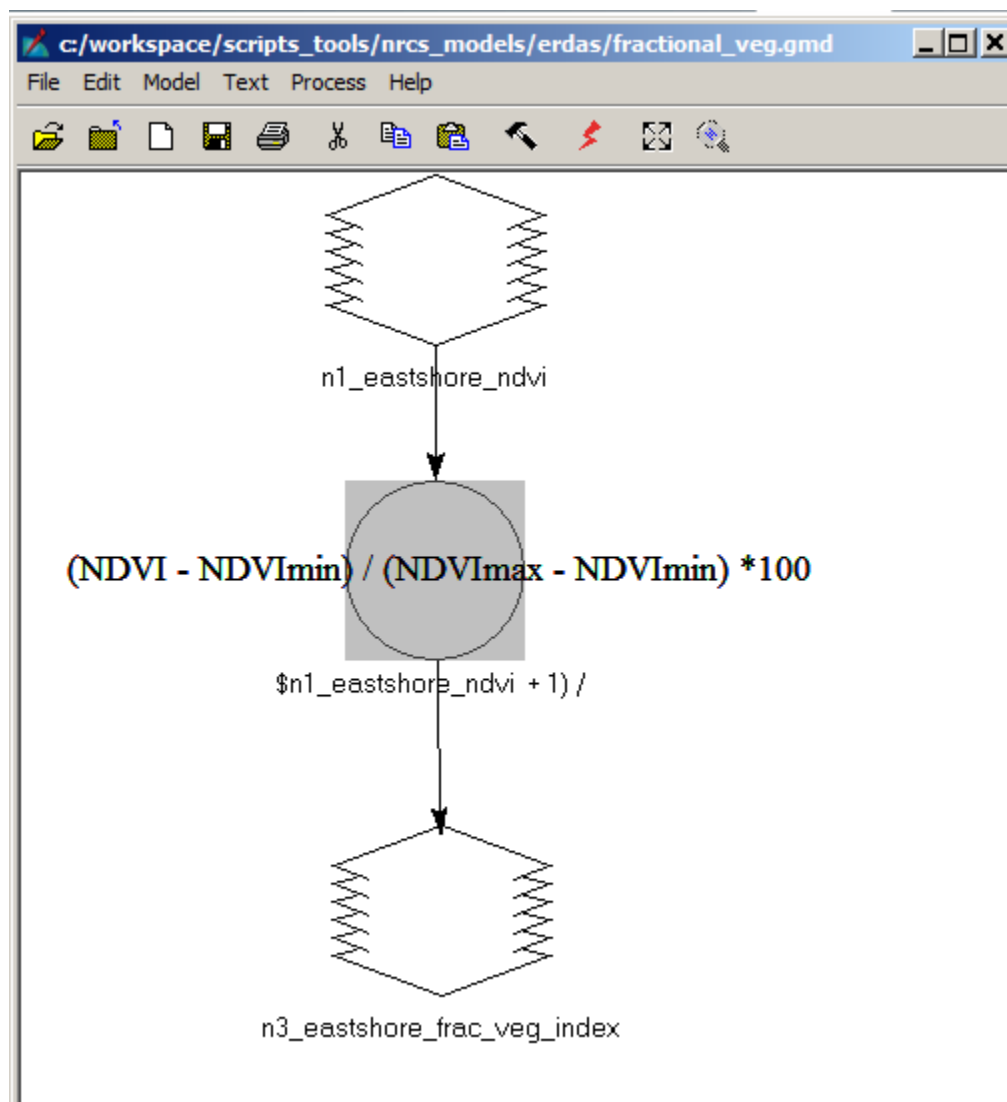
File: fractional_veg.gmd (ERDAS Imagine Model, v. 2013 and prior)**

Input: NDVI

Output: single layer image with data values ranging from 0 to 100; Pixels with higher values can be interpreted as pixels with greater vegetative cover.

You will be prompted for the input image, and to name the output image.

The model open in ERDAS Imagine Model Maker:



*Remember ratios must always be calculated on images which have had an atmospheric correction or image standardization applied. Resources for image standardization:

<http://earth.gis.usu.edu/imagestd/>

**These are .gmd ERDAS Imagine Model Maker files. They can easily be opened in ERDAS 2013 and all previous versions of Imagine. Starting with ERDAS 2014, they must be converted to the new Spatial Modeler interface and file type.

While these ratios were developed for Landsat bands, they could be modified and used with data from any sensor with bands capturing the same part of the electromagnetic spectrum as the indicated Landsat bands.

Enhanced Thematic Mapper Plus (ETM+)	Landsat 7	Wavelength (micrometers)	Resolution (meters)
	Band 1	0.45-0.52	30
	Band 2	0.52-0.60	30
	Band 3	0.63-0.69	30
	Band 4	0.77-0.90	30
	Band 5	1.55-1.75	30
	Band 6	10.40-12.50	60 * (30)
	Band 7	2.09-2.35	30
	Band 8	.52-.90	15