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Image analysis, classification and change detection in ... Image classification - background. Image classification is a means to convert spectral raster data into a finite set of classifications that represent the surface types seen in the imagery. These may be used to identify vegetation types, anthropogenic structures, mineral resources, or transient changes in any of these properties.

Image Classification - Examples Numerous remote sensing change detection algorithms have been developed. Some of these include write function memory insertion, image algebra, multiple-date composite image change detection using principal component analysis, post-classification comparison, and spectral change vector analysis (Jensen, 2005).

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