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Subject: aggregate pixel values within shapes or another raster

Posted by [ivitseva](#) on Thu, 14 Jan 2010 09:54:05 GMT

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Dear All,

I have a time series of images (yearly data) on 1km spatial resolution and I have a systematic grid in an ArcGIS shapefile format or a ArcGIS grid format or envi BIL format, whatever suits best that has a 25km spatial resolution. I need to calculate the mean and standard deviation of all pixels within 1 grid zone, for all years and write them out in a new image. Thus, in case of 26 input years on 1km spatial resolution I need to have 26 output images on 25km spatial resolution, where in each 25km cell the mean and/or the standard deviation of the 1km cells within the respective grid is written. Besides opening and reading the files (at least that I have no problems with) any clue please how to start it? Thank you very much in advance, Eva.

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