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Subject: Re: Segmentation in ENVI

Posted by [guillermo.castilla.ca](mailto:guillermo.castilla.ca) on Wed, 10 Sep 2008 20:36:52 GMT

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> Any idea why the ENVI built-in doesn't work?

Well, I wouldn't say it doesn't work, it is simply intended to perform a different task, namely to partition into homogeneous regions a grey-level image. In your case (a classified image), you already have a partition where each region is a set of connected pixels sharing a common class. What you wanted to do is to single out the regions within your classified image, which is different from what is usually understood as 'segmentation'.

However, you are right in that the 'segmentation image' ENVI 'basic tool' is too basic. First, it only handles one band at a time. And second, it only produces a partial segmentation (only pixels that fall within the entered DN range are considered). The good news is that new ENVI Fx module tackles these deficiencies (and does way more than just segmentation). The bad news is that you have to pay a separate fee for it. However, there are other segmentation tools that you can get for free in the ITTVIS codebank (e.g., my SCRM algorithm :).

Cheers

Guillermo

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