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Subject: Re: ROI to shapefile for flood plain modelling  
Posted by [lbuset](#) on Tue, 04 May 2004 10:08:52 GMT  
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Hi shoaib,

I have never tried this, but if you just want to transform a set of Envi ROIs into vectors I think that you can try to convert your ROIs into a classification image with the ENVI routine "ENVI\_ROI\_TO\_IMAGE\_DOIT", and then you can convert the different classes of the image (which correspond to the different ROIs) in different vector (EVF) files with the ENVI routine "RTV\_DOIT". You can find sample programs for both routines in the ENVI online Help.  
I don't know if there is a routine which allows to directly convert a ROI to a vector file.

Hope this helps,

Lorenzo Busetto

sab@vpac.org (shoaib) wrote in message  
news:<2642713e.0405011826.512f9d7d@posting.google.com>...

> Hi,  
>  
> As a beginner envi programmer,  
> I'm trying to perform flood plane modelling from lidar data by  
> specifying a range of elevations and a seed value, then do a fill to  
> create shapefiles of areas that may be inundated by a flood scenario.  
> I would like to do this for a very large data-set, preferably in batch  
> mode.  
>  
> So far it looks like REGION\_GROW may be useful by creating a vector of  
> vertices representing a ROI. the next step would be to convert the ROI  
> to shapefile. Any functions in IDL/ENVI that cleanly allow this  
> conversion?  
>  
> any help is greatly appreciated.  
>  
> shoaib

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