
Subject: Re: aggregate pixel values within shapes or another raster
Posted by [wita](#) on Mon, 18 Jan 2010 08:06:00 GMT
[View Forum Message](#) <> [Reply to Message](#)

Dear Itiseva,

Have a look at: ftp://sc:image1@ftp.alterra.nl/pub/adewit/cgi_zonal_stats.pr o

It is basically as simple as:

```
result = cgi_zonal_stats(zones, data)
```

Results is a structure which contains the zone_id, mean, count, stdev and median of the values in 'data' (each layer in your time-series) for each unique zone in 'zones' (your 25km grid). A requirement is that 'zones' and 'data' are on the same grid, so resample your 25km grid to your 1km data grid.

The function leverages the power of HISTOGRAM module by looping over the reverse indices returned by HISTOGRAM and is therefore maybe faster then David's solution. Moreover, my routine can aggregate data over arbitrary shaped zoned and not just within kernel.

My guess is that this is exactly what you need.

Hope this helps

Allard
