Hands On

Generation of contours, slope and aspect using DEM

Training Course on 'Geospatial Techniques for coastal mapping and monitoring'

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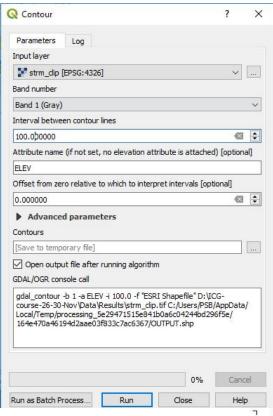


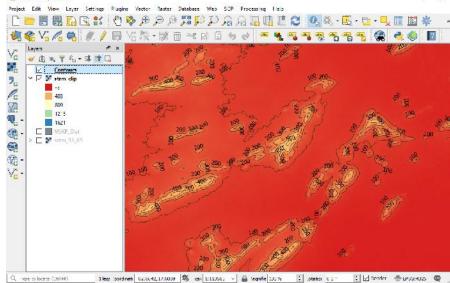




Generation of contours

- Open the srtm data srtm_53_09.tif and clip the raster to the Vskp_boundary extent.
- In the Processing toolbox go to GDAL -> Raster extraction and click on Contour
- In the Contour window, set *Input layer* as *DEM* (previously generate DEM)
- Set Interval between contour lines as 100.00 (A contour line for eve 100m)
- Attribute name as ELEV (field name of elevation data in DEM raster)
- Set the output names of the contours shapefile in the Contour field
- Click Run and the add the generated contours will be added to the window
- Now, go to the Properties of the contour file select the Labels tab
- Select Single labels in the first field and in the Label with field select *ELEV*(field name) and click *Ok*





Generation of slope and aspect

- Open the SRTM data srtm_clip.tif clipped to our boundary extent in qgis
- In *Processing toolbox* go to *Grass -> Raster* and select *r.slope.aspect* tool
- In the *Elevation* field provide the file *srtm_clip.tif*
- Select degrees in Format for reporting the slope
- Select CELL in Type of output aspect and slope layer
- Next save only Slope and Aspect and set remaining all layers to Skip output
- Click *Run* and close the tool after the results are completed and added to qgis window

