Explore raw values of snow-cover indicators (pdf)

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```
# Load packages
library("raster")
library("rgdal")
library("sp")
library("dplyr")
library("rasterVis")
```

Prepare Data

- Read snow cover indicator data and subset snow cover duration
- Read topographic data and position (spatial) data

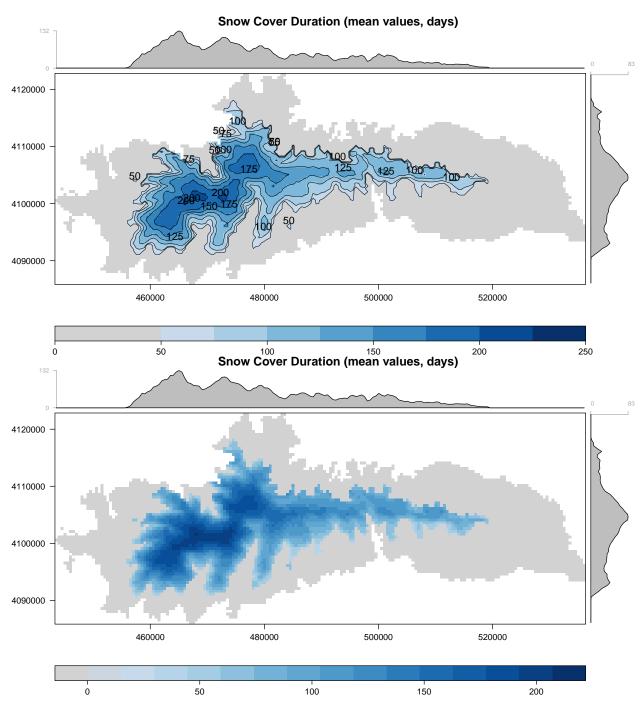
Spatial pattern of the snowcover indicators

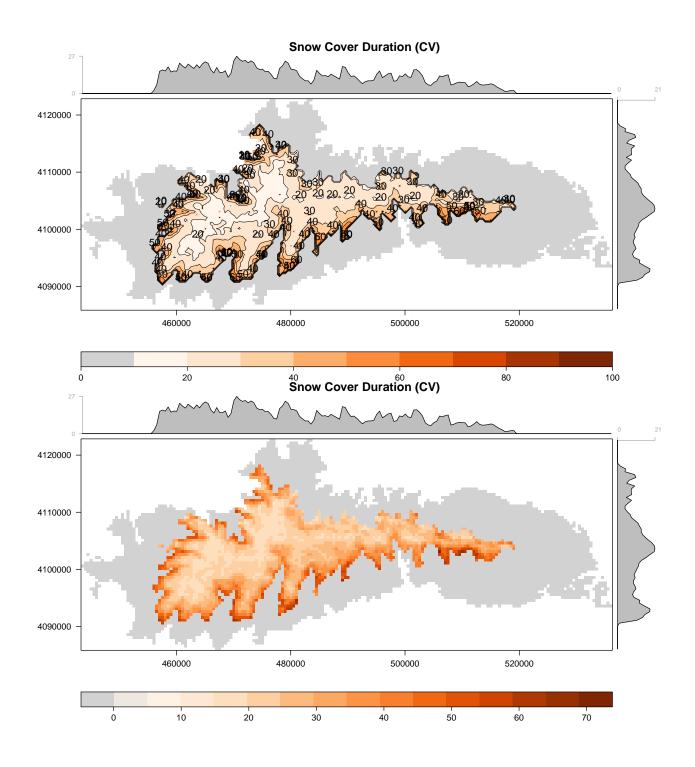
- Create raster maps of the summary stats for each indicator (\$indicator\$: scd, scod, scmd, scmc). Two raster maps will be created:
- r_mean_\$indicator\$: mean values of the indicator for the pixel in the temporal serie.
- r_cv_\$indicator\$: coefficient of variation of the indicator for the pixel in the temporal serie.
- Two additional raster maps will be created, with a mask of the elevation (those pixels above 1900 *m* asl). The names of the raster are: r_mean_\$indicator\$_1900 and r_cv_\$indicator\$_1900. Pixels below 1900 masl show a value of -1. This value can be customized (change updatevalue=-1 argument of the mask function).
- All these rasters are stored at ./data/derived/

[1] "+init=epsg:23030 +proj=utm +zone=30 +ellps=intl +towgs84=-87,-98,-121,0,0,0,0 +units=m +no defs

Visualization of the Snow Cover indicators

Snow Cover Duration





Snow Cover Onset Date

