GIS rasjednih zona i potresa u Dinaridima

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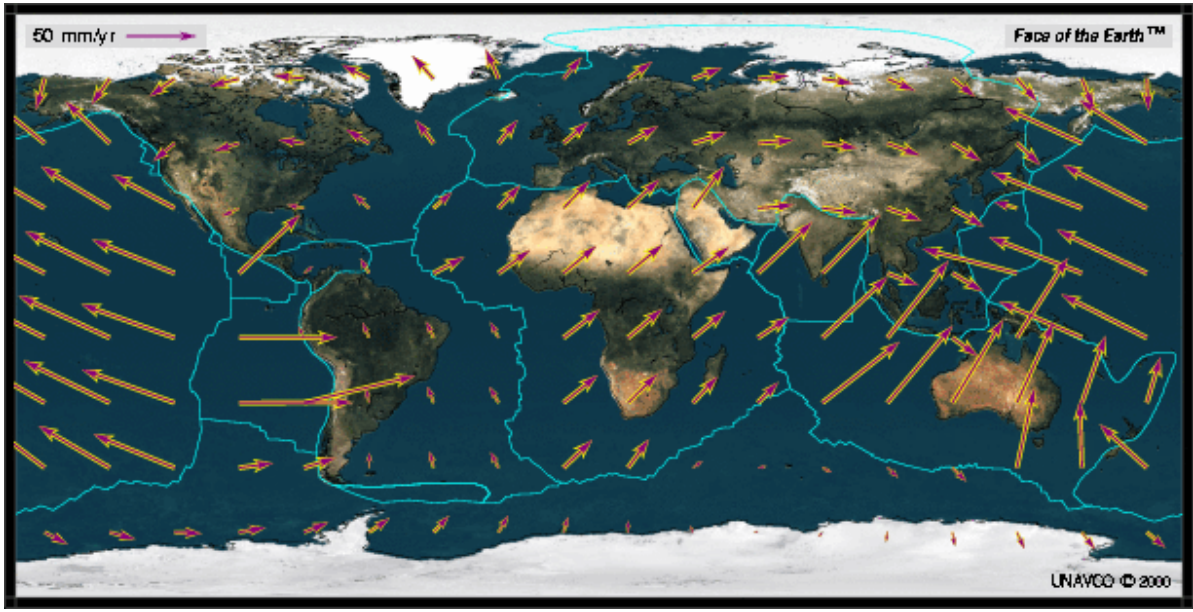
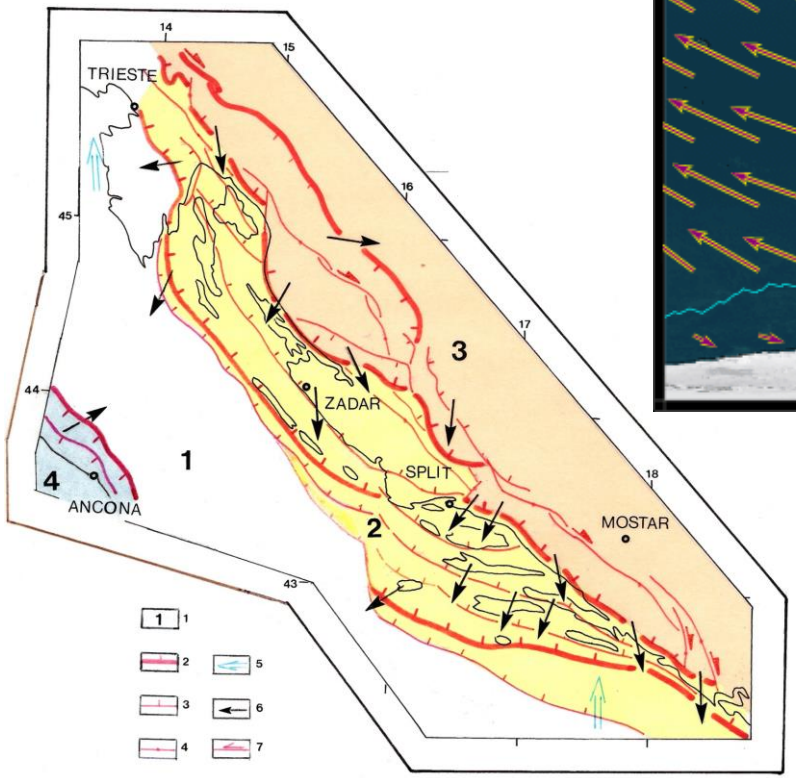

50 mm/yr
Face of the Earth™
UNAVCO © 2000


14
15
16
17
18
45
44
43
TRIESTE
ZADAR
SPLIT
MOSTAR
ANCONA
1
2
3
4
1 1
2 2
3 3
4 4
5 5
6 6
7 7

Korištene aplikacije

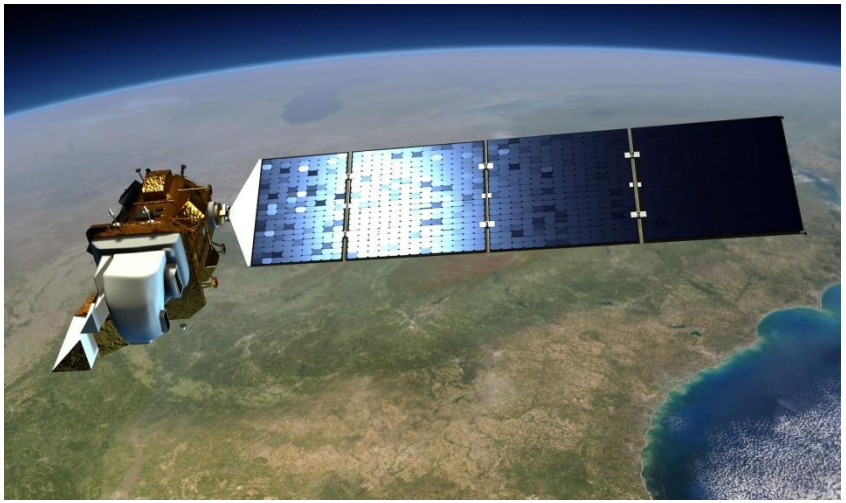
Landsat 8

Prostorna rezolucija

- 30m kanali 1 do 7 i 9
- 15m pankromatska
- 100m termalni kanali

Vremenska rezolucuja

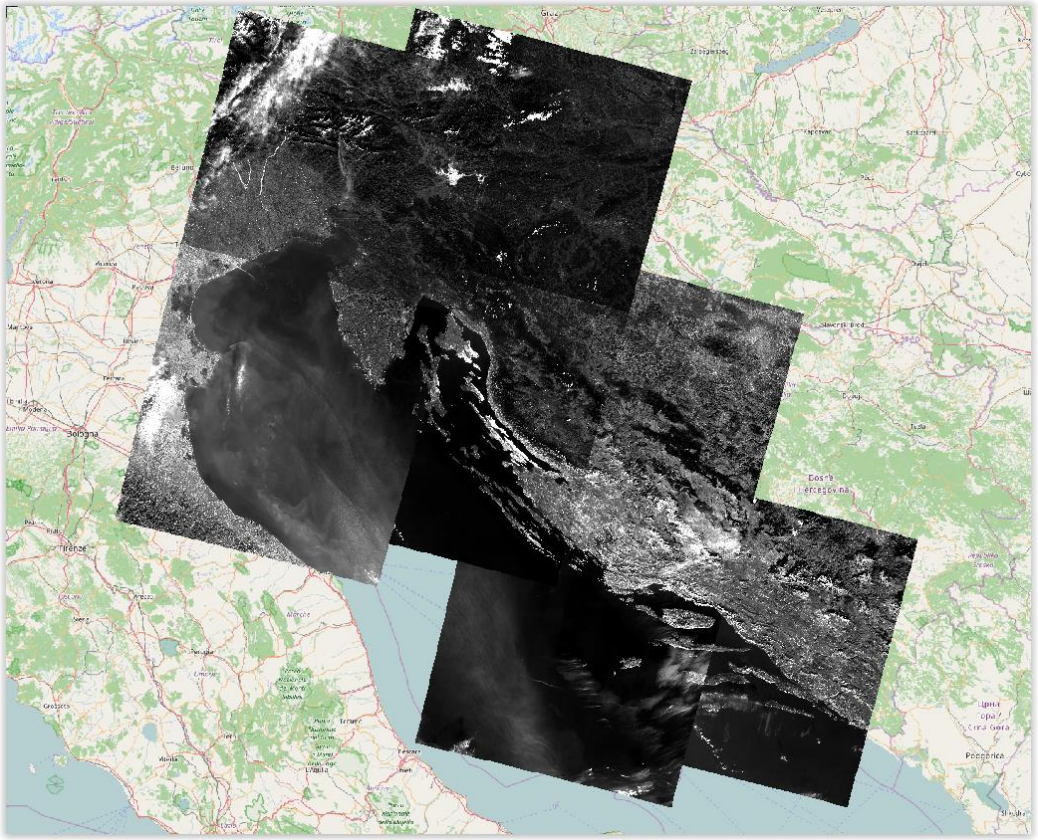
- 16 dana



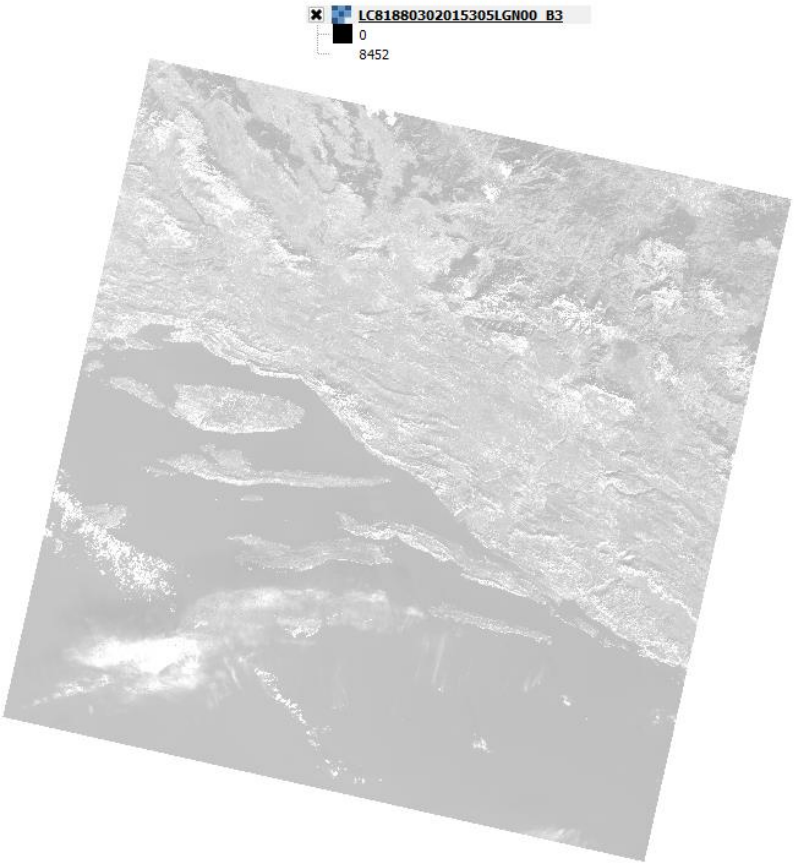
Senzor	Kanal [broj]	Valna duljina [µm]	Prostorna rezolucija [m]	Opis
OLI	1	0,43 – 0,45	30	Vidljivi
	2	0,45 – 0,51	30	Vidljivi
	3	0,53 – 0,59	30	Vidljivi
	4	0,64 – 0,67	30	Crveni
	5	0,85 – 0,88	30	NIR
	6	1,57 – 1,65	30	SWIR
	7	2,11 – 2,29	30	SWIR
	8	0,50 – 0,68	15	Pankromatski
	9	1,36 – 1,38	30	Cirrus
TIRS	10	10,60 – 11,19	100	LWIR
	11	11,50 – 12,51	100	LWIR

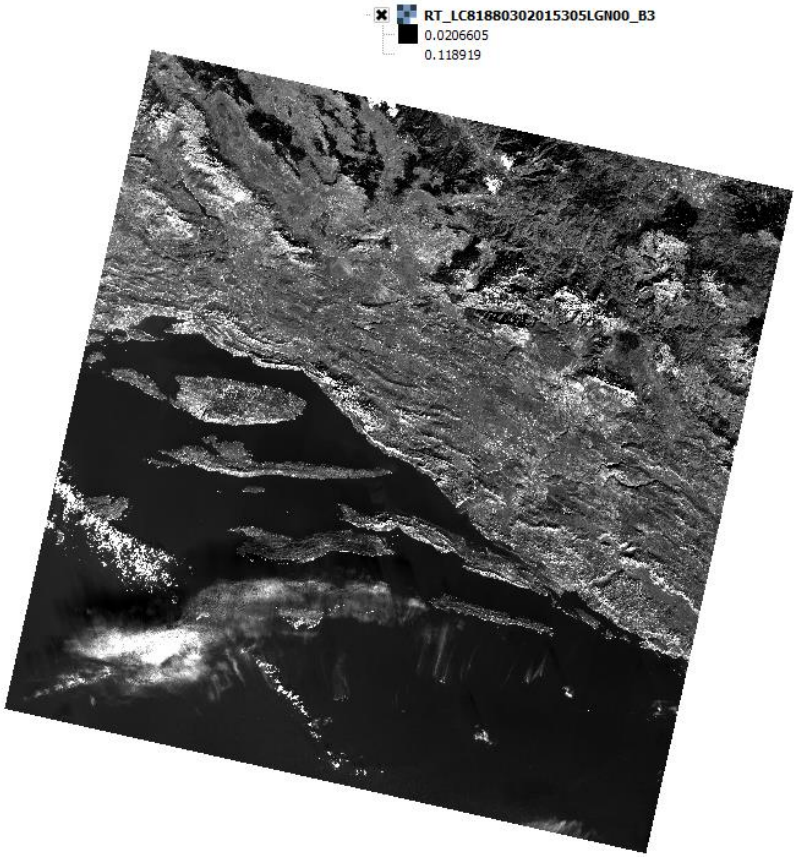
Landsat 8 područje Jadrana

LC81890302015312LGN00
LC81890292015312LGN00
LC81910282015310LGN00
LC81910292015310LGN00
LC81880302015305LGN00
LC81900292015255LGN00
LC81900282016242LGN00



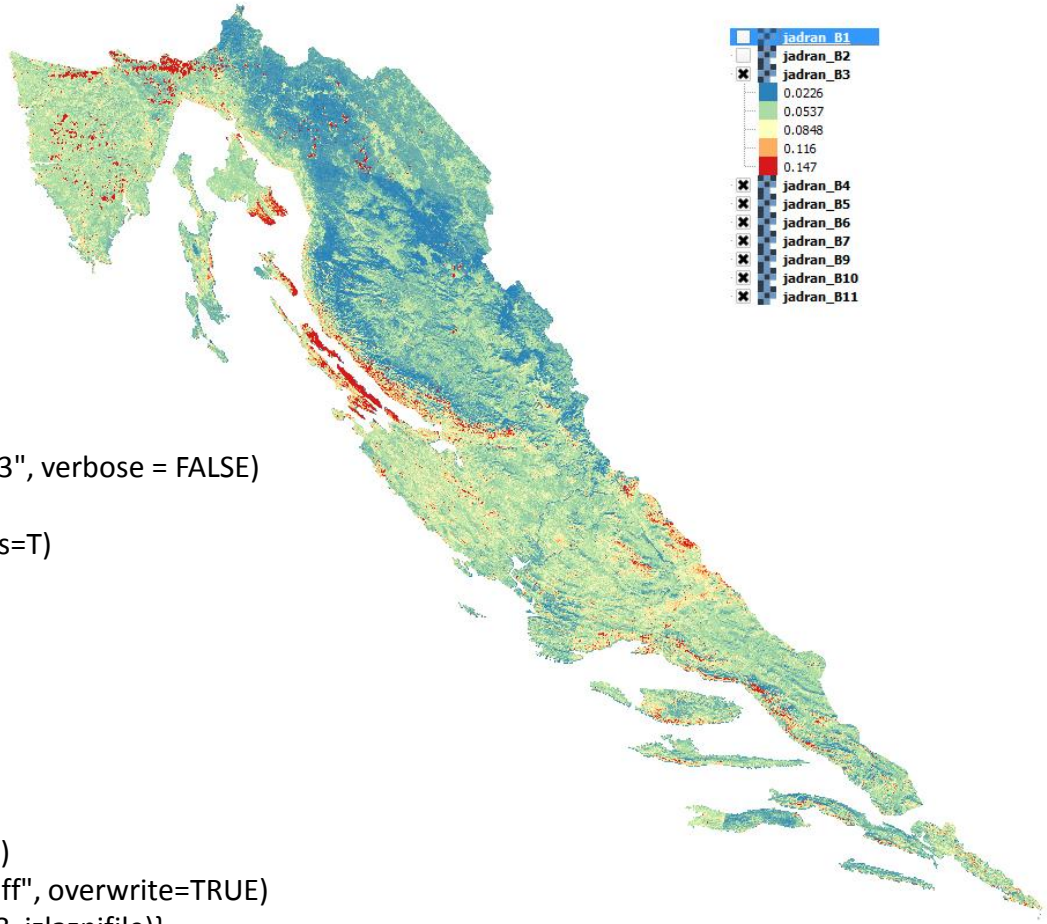
Atmosferska korekcija





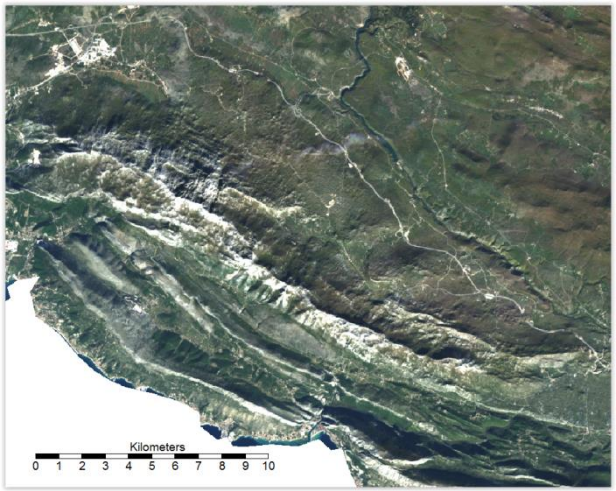
Spojeni Landsat snimci

-mosaic (raster, fun)
-mask (raster, shp)

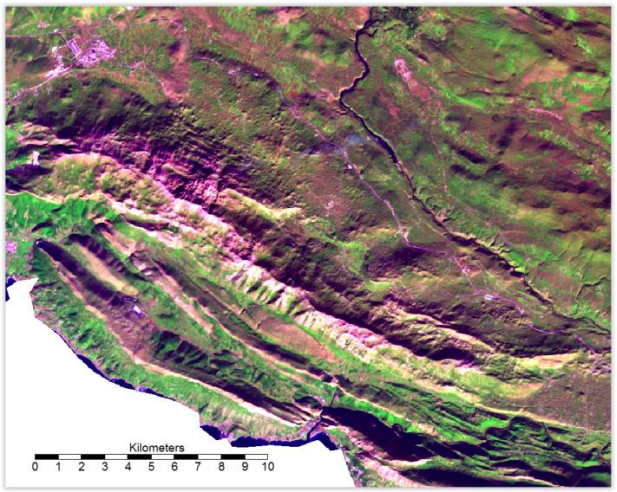



```
jadran <- readOGR("shp_jadran", "rh_granica_poligon_utm33", verbose = FALSE)
land8dir <- "landsat"
land8_list <- list.files(path=land8dir, pattern="TIF", full.names=T)
for (j in 1:11) {
  br_kanala =paste("_B",j,".TIF", sep="")
  kanal_list <- land8_list[(grep(br_kanala, land8_list))]
  kanal_raster <- lapply(kanal_list, raster)
  kanal_raster$fun <- max
  mkanal <- do.call(mosaic, kanal_raster)
  jadran_land8 <- mask(mkanal, jadran)
  izlaznifile=paste("jadran_landsat/jadran_B", j, ".TIF", sep="")
  writeRaster(jadran_land8, filename=izlaznifile, format="GTiff", overwrite=TRUE)
  rm(br_kanala, kanal_list, kanal_raster, mkanal, jadran_land8, izlaznifile)}
```

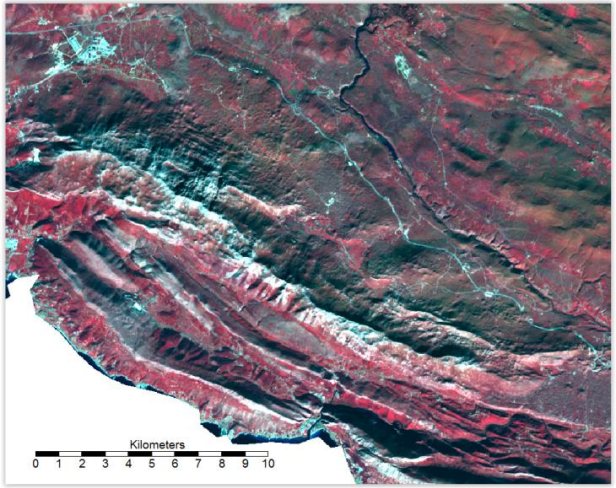
Visualizacija višekanalnih snimaka



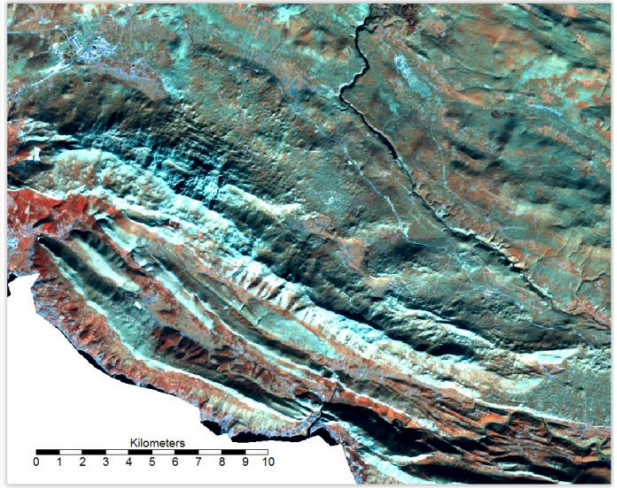
4-3-2



7-5-2

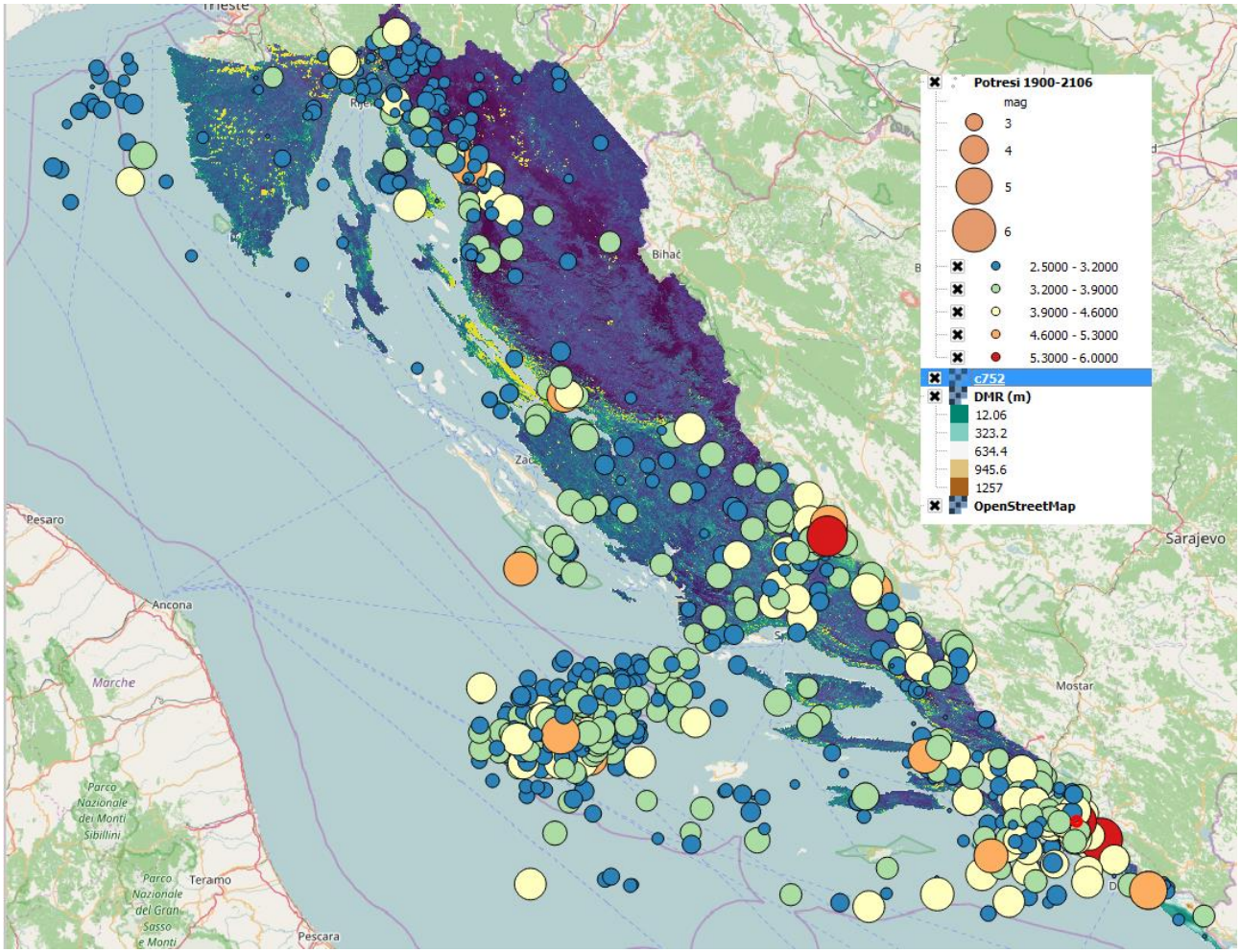


5-4-3



5-6-7

Potresi u periodu 1900 - 2016



URL_podaci<-
"http://earthquake.usgs.gov/earthquakes/feed/v1.0/summary/all_month.csv"

Vizualizacija