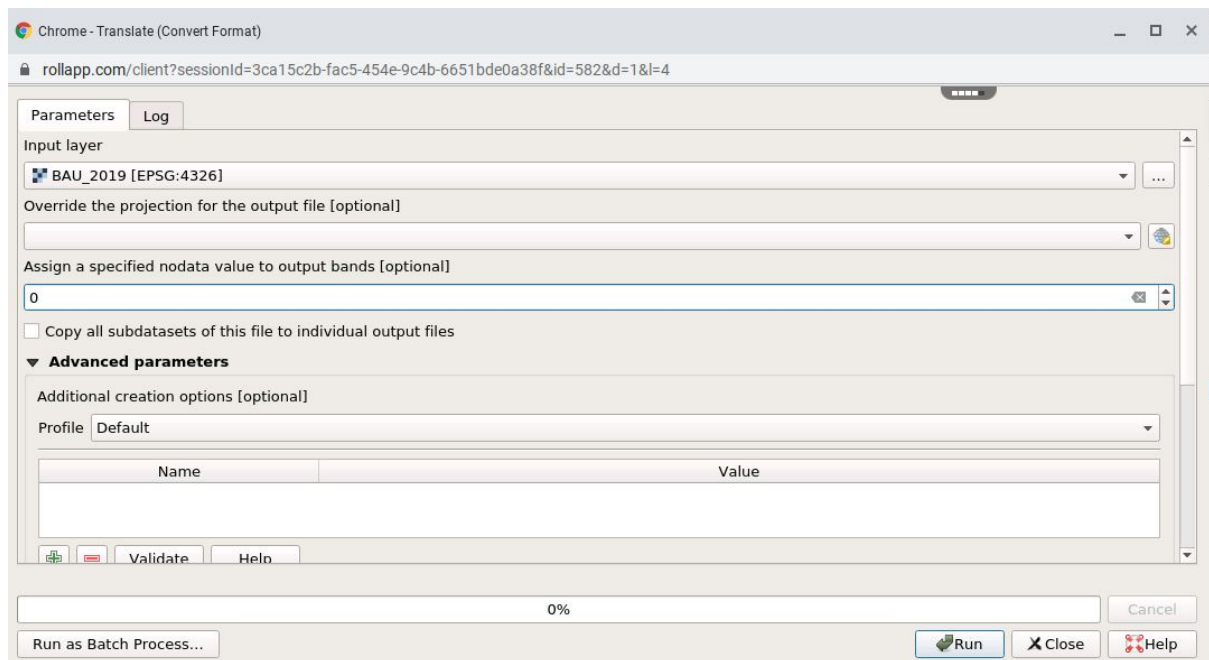
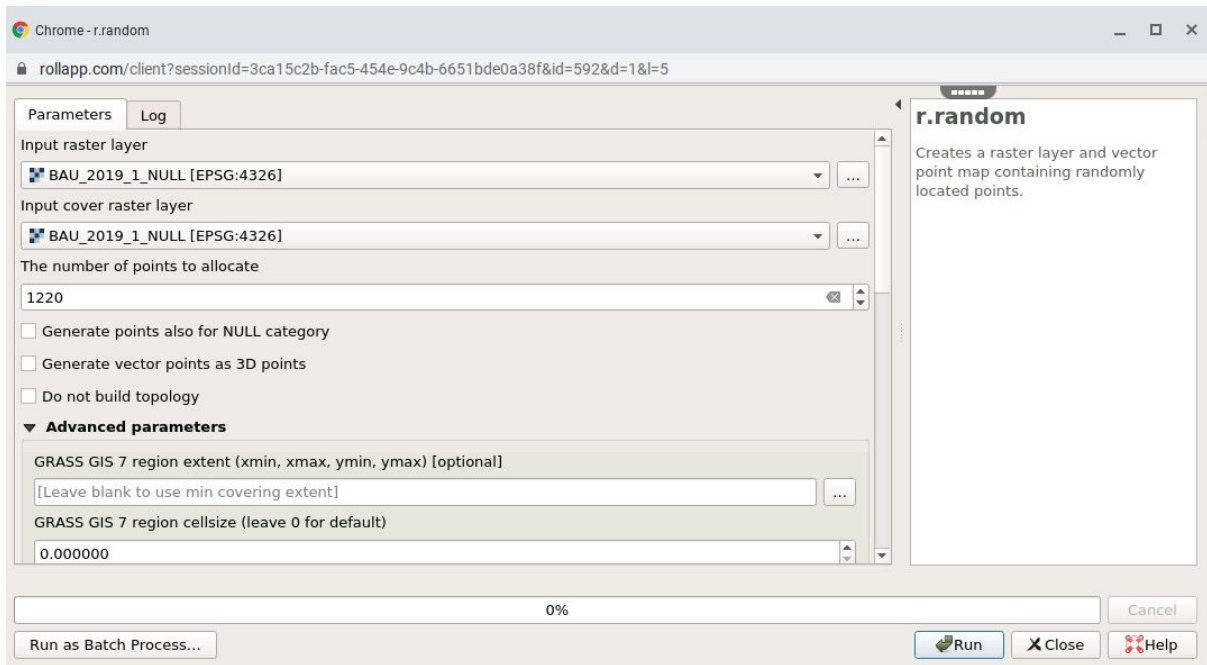


Projection of a Baseline: How to develop your random degradation in a BAU scenario

1. Set the deforestation rate by pixels based on historic values (average for example is 1220 pixel per year)
2. Take the latest historical observation called year_clip.TIF
3. Translate/Convert the 0/1 values into NULL/1 values

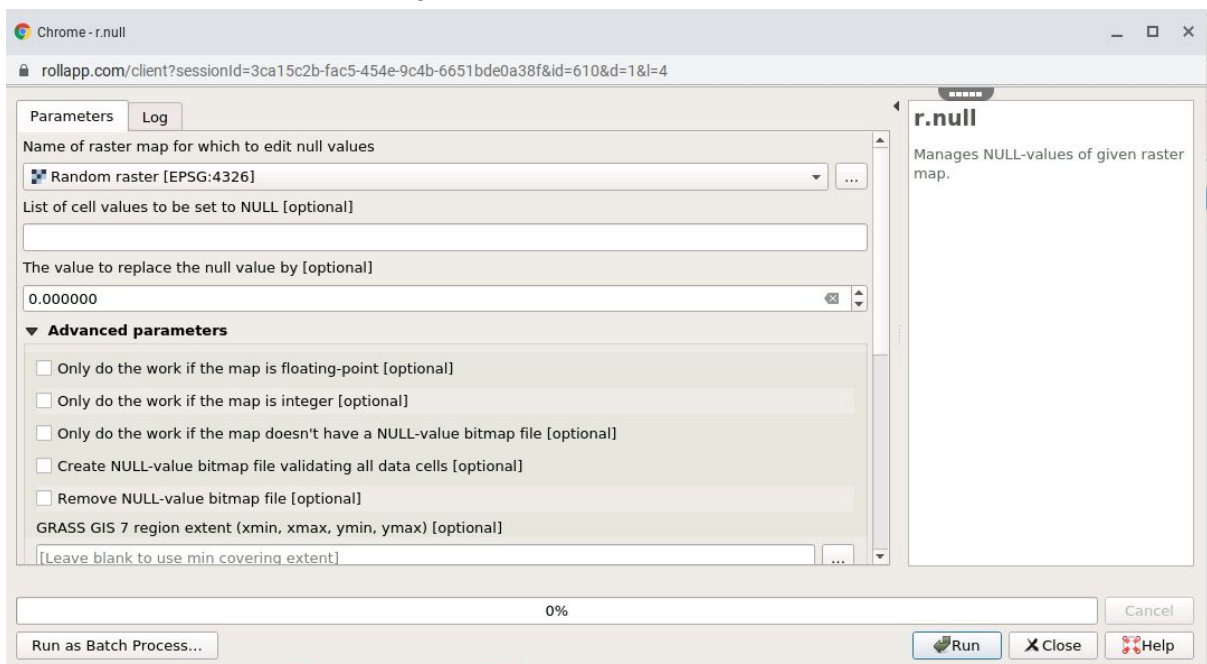


4. Use Grass r.random to select 1220 pixels that are not NULL (uncheck the vector file generation)



5. CAREFUL: This step is only to be executed if Grass r.random has generated pixels with 0-values. Use the Raster Calculator to turn the random zeros into random 1s (“random-pixels” = 0)

6. Use Grass r.null to change null values into zero values



7. Use Raster Calculator to calculate year+1 forest cover called BAU_year+1.TIF by using this formula (“year_clip.TIF” - “random-pixels”)

Chrome - Raster Calculator

rollapp.com/client?sessionId=3ca15c2b-fac5-454e-9c4b-6651bde0a38f&id=647&d=1&l=5

Raster Bands

- 2018_Forest_no-value@1
- BAU_2019@1
- BAU_2020@1
- Blanco_clip@1
- Grid_2018@1
- BAU_2019_1_NULL@1
- 2020nullraster@1**
- NullRaster@1
- random_1_null@1
- Random raster@1
- Random raster_1@1

Result Layer

Output layer: ections (2).7z/BAU_2020.tif

Output format: GeoTIFF

Selected Layer Extent

X min: 125.08450 X max: 125.16275

Y min: -9.35350 Y max: -9.30900

Columns: 313 Rows: 178

Output CRS: EPSG:4326 - WGS 84

☒ Add result to project

Operators

+	*	sqrt	cos	sin	tan	log10	(
-	/	^	acos	asin	atan	ln)
<	>	=	!=	<=	>=	AND	OR

Raster Calculator Expression

```
( "BAU_2019@1" - "2020nullraster@1" )
```

Expression valid

OK Cancel Help

8. Start again but now using BAU_year+1.TIF for a total of 30 years