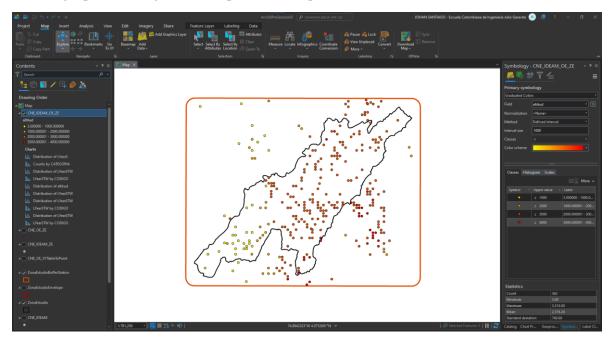
SECTION 03-CNESTATIONELEVATION, CURSO LTWB

Simbología por colores graduados a partir del campo Altitud



Histograma

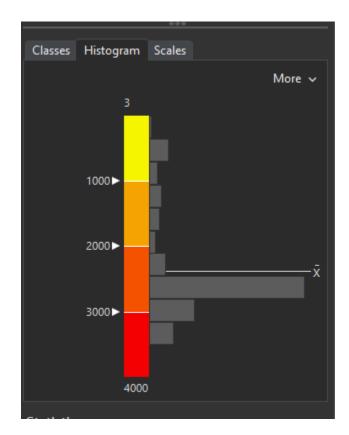
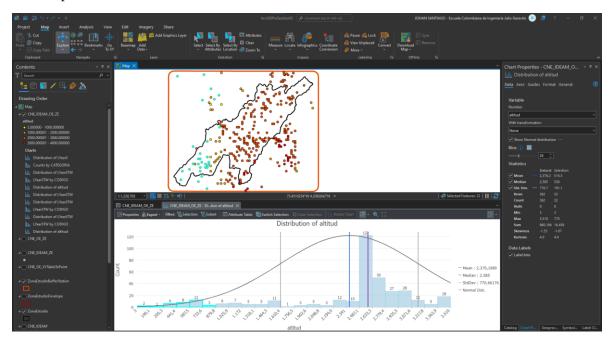
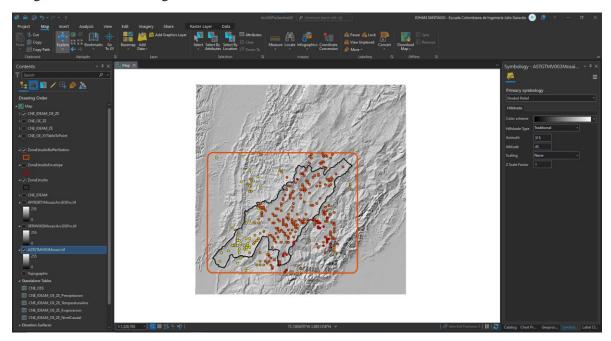


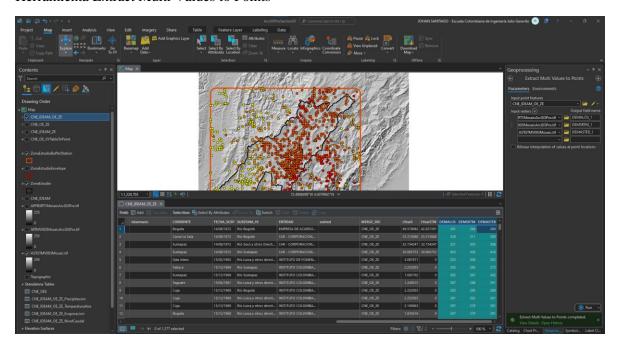
Gráfico por distribución de altitud



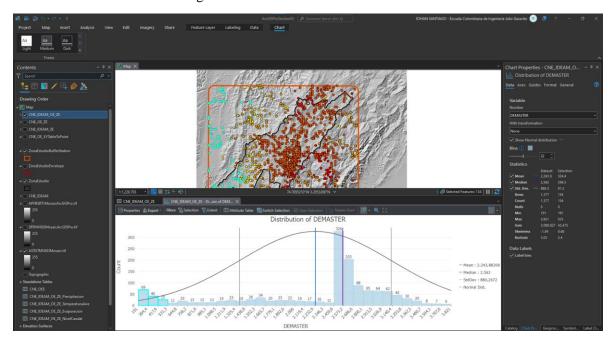
Cargue de los modelos digitales

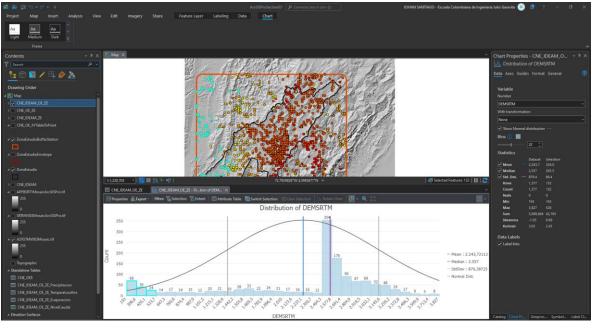


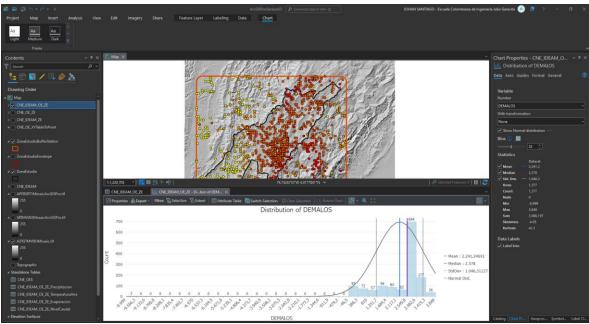
Herramienta Extract Multi Values to Points



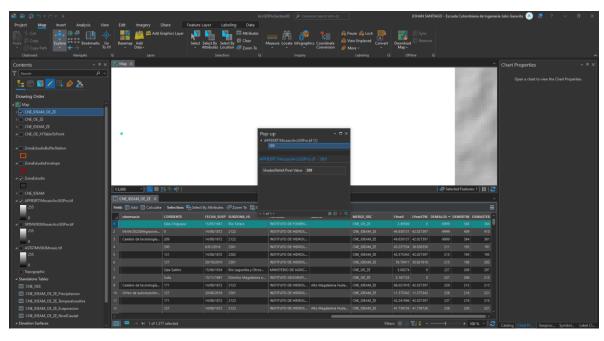
Gráficos de distribución de las grillas

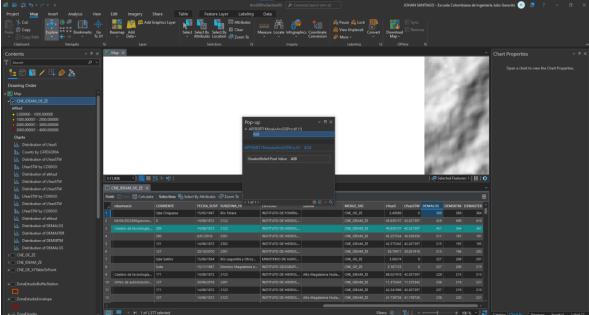


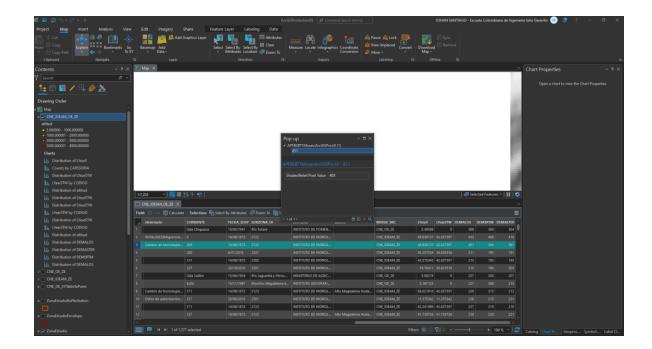




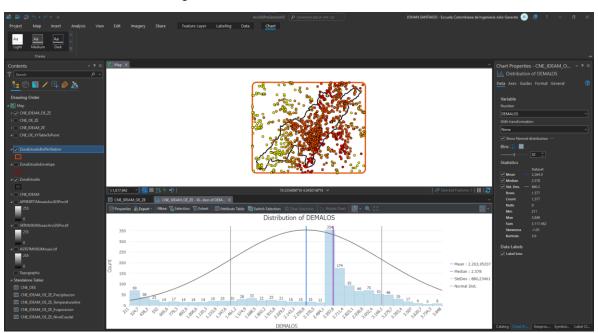
Reasignación manual de los valores de elevación







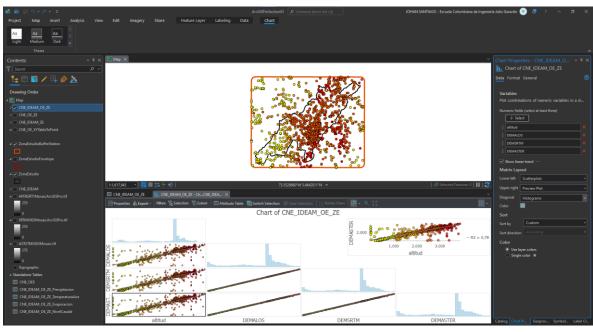
Gráficos de distribución de la grilla ALOS

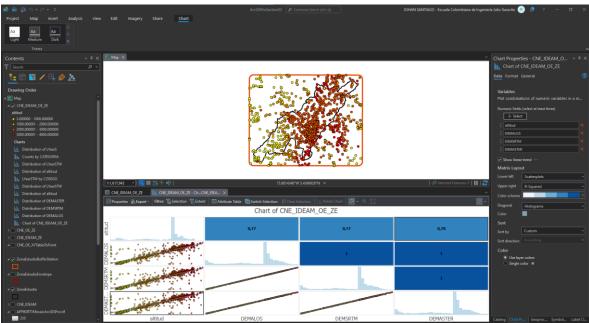


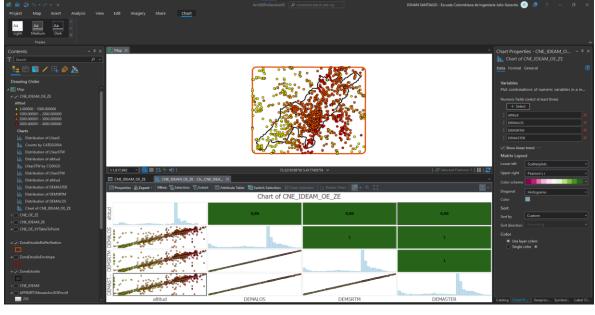
Estadístico	IDEAM	ASTER	SRTM	ALOS
Mean	2376.2	2243.9	2243.7	2264
Median	2585	2562	2557	2578
STD. Dev.	770.7	880.3	879.4	880.2
Rows	362	1377	1377	1377
Count	362	1377	1377	1377
Nulls	0	0	0	0

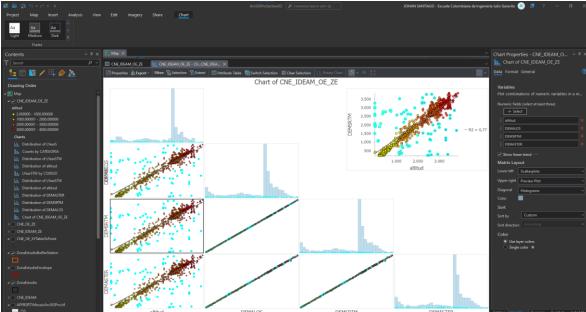
Min	3	191	193	211
Máx	3.510	3821	3827	3848
Sum	860184	3089827	3089604	3117462
Skewness	-1.33	-1.04	-1.03	-1.03
Kurtosis	4	3.03	3.03	3

Gráficos Scatter Plot Matrix

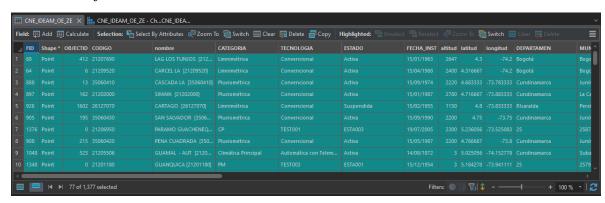




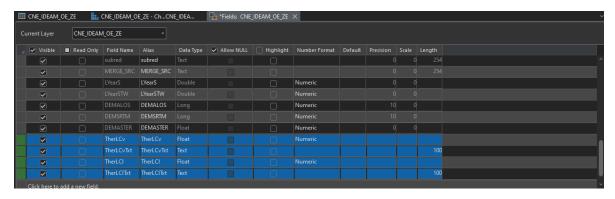




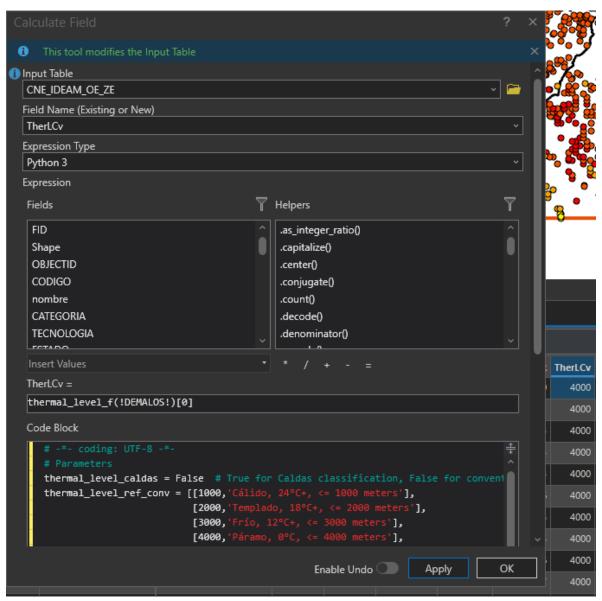
Estaciones alejadas de la tendencia lineal

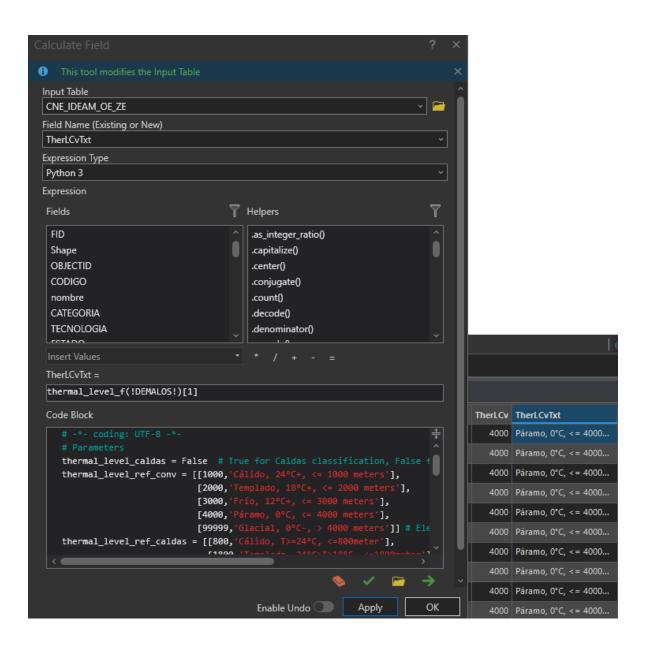


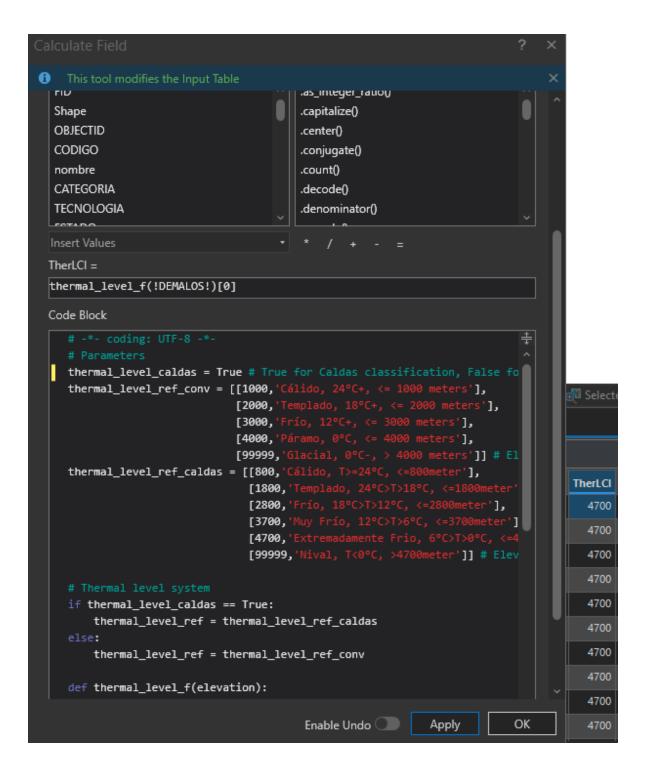
Creación de atributos en CNE_IDEAM_OE_ZE.shp

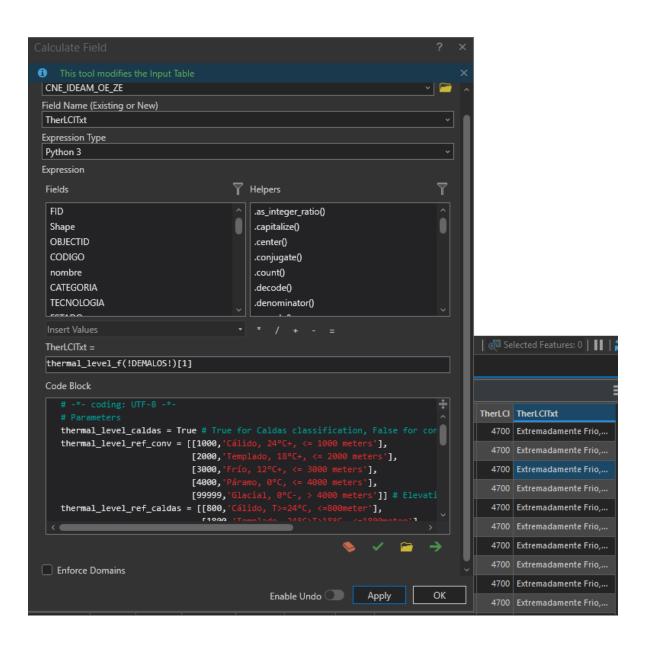


Calculate field para calcular el rango de elevación de las estaciones

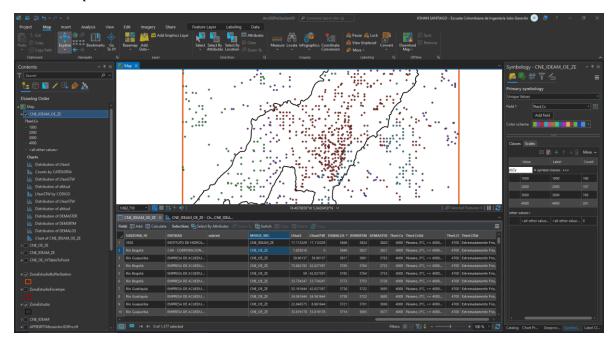






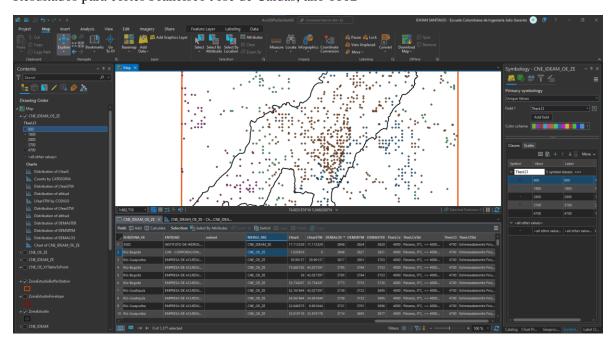


Resultados para cortes convencionales



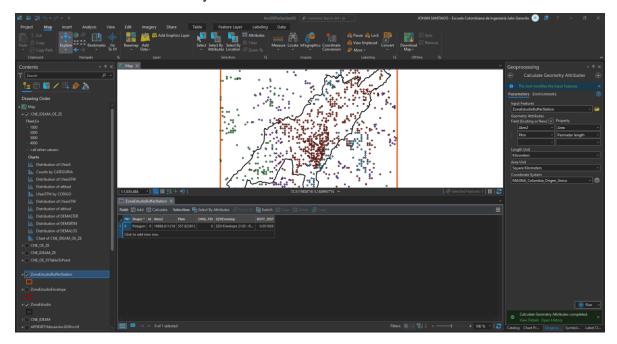
Valor de corte	Etiqueta	Estaciones
1000	Cálido, 24°C+, <= 1000 meters	190
2000	Templado, 18°C+, <= 2000 meters	197
3000	Frío, 12°C+, <= 3000 meters	789
4000	Páramo, 0°C, <= 4000 meters	201

Resultados para cortes Francisco José de Caldas, año 1802

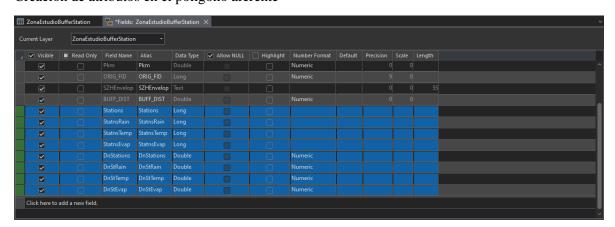


Valor de corte	Etiqueta	Estaciones
800	Cálido, T>=24°C, <=800meter	169
1800	Templado, 24°C>T>18°C, <=1800meter	178
2800	Frío, 18°C>T>12°C, <=2800meter	710
3700	Muy Frío, 12°C>T>6°C, <=3700meter	310
4700	Extremadamente Frio, 6°C>T>0°C, <=4700meter	10

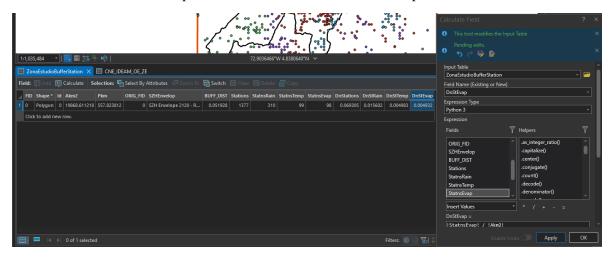
Herramienta Calculate Geometry Attributes



Creación de atributos en el polígono aferente



Herramienta Calculate Field para calcular las densidades de los campos



Valores de densidad y cobertura obtenidos

Atributo	Descripción	D, Estn/km ²	Cobertura, km²/Estn (1/D)	Radio de acción, km (r=sqrt[C/\pi])
DnStations	Densidad en estaciones por km² para toda la zona de estudio	0.069305	14.42897	2.1431
DnStRain	Densidad en estaciones por km² para obtención de datos de precipitación	0.015602	64.09435	4.5168
DnStTemp	Densidad en estaciones por km² para obtención de datos de temperatura del aire cerca del suelo	0.004983	200.68232	7.9924
DnStEvap	Densidad en estaciones por km² para obtención de datos de evaporación potencial	0.004932	202.75750	8.0336