

Obtain and Define Geographic Information

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1 Obtain vector layers on the following topics

1.0.1 Description

Set of thematic layers for Extremadura in a single project.

1.0.2 Additional Data

The municipality's boundary is included to orient the reader.

1.1 Municipal Boundaries

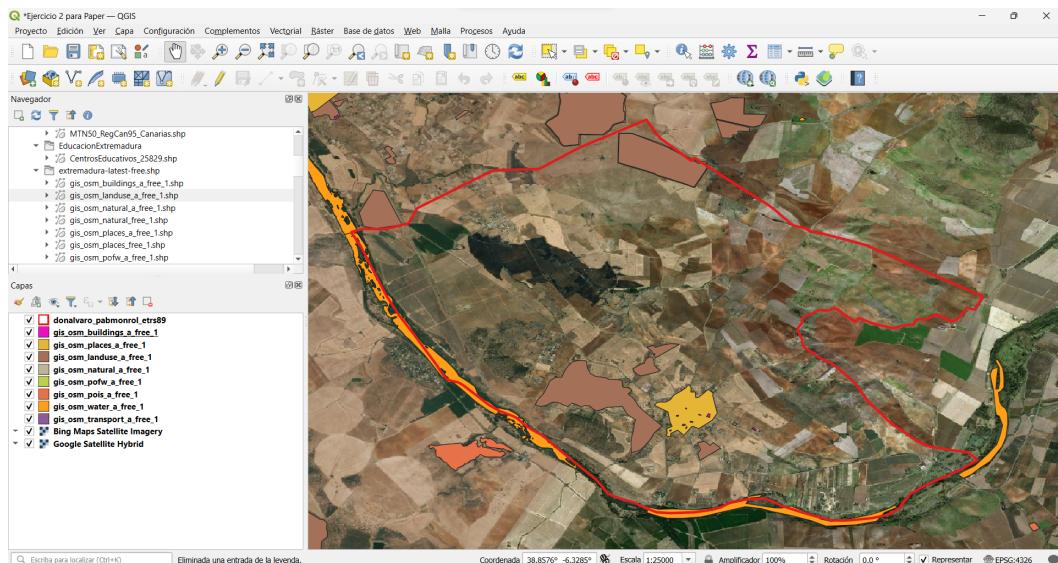


Figure 1: QGIS screenshot showing the polygons that define the municipal boundaries

1.1.1 File Information

Exercise No.	Name	Format	Size	Layer Type
3.2	extremadura-latest-free	.shp	156MB	Vector:Polygons

CRS	Source	Download Date	Data Date
EPGS:4326	OpenStreetMap	17-10-2023	04-10-2023

1.2 Communication Routes

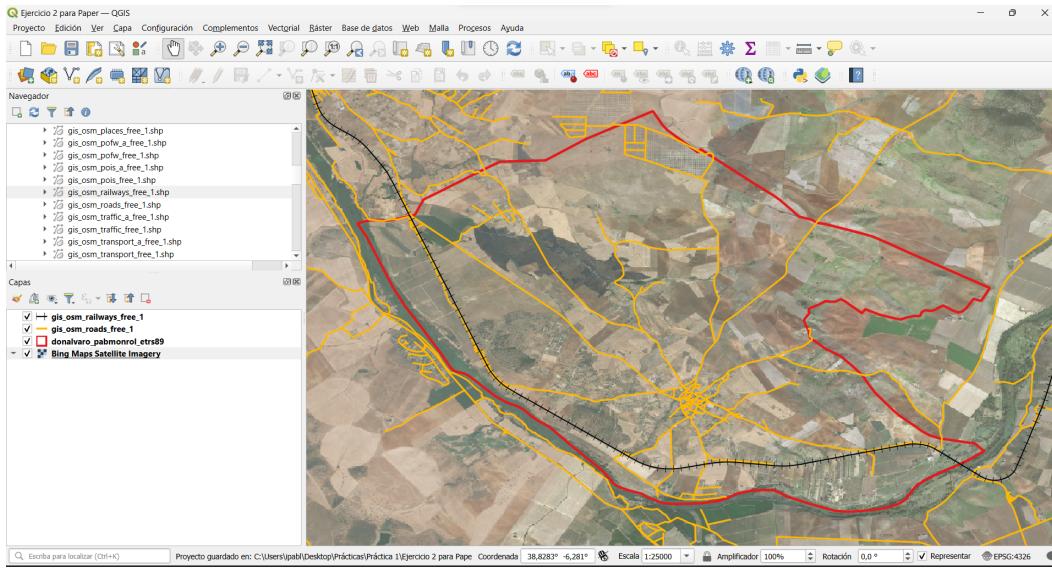


Figure 2: QGIS screenshot showing the lines representing the communication routes of the municipality

1.2.1 File Information

Exercise No.	Name	Format	Size	Layer Type
3.2	extremadura-latest-free	.shp	156MB	Vector:Lines

CRS	Source	Download Date	Data Date
EPGS:4326	OpenStreetMap	17-10-2023	04-10-2023

1.3 Hydrographic Network

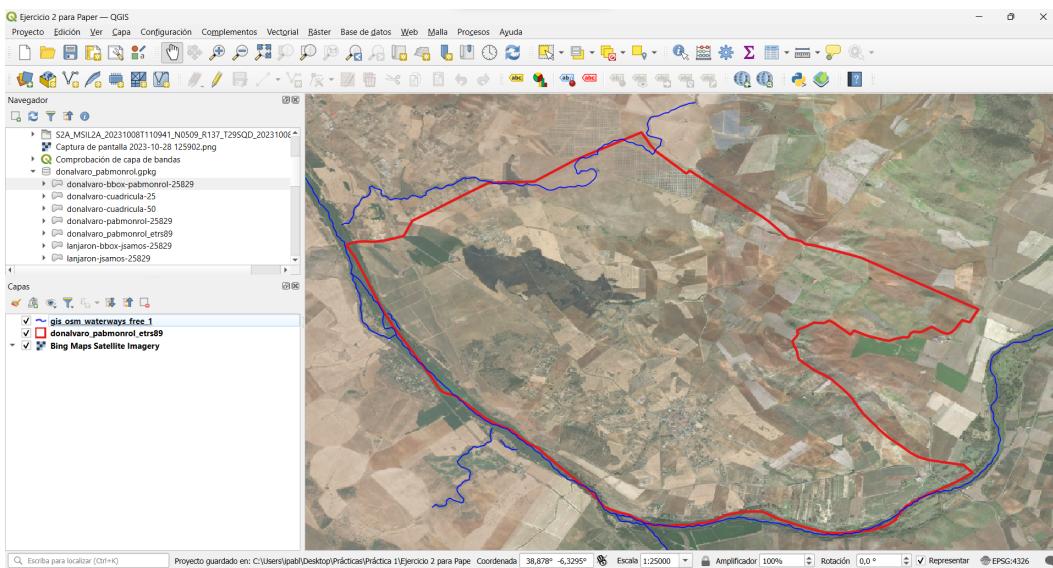


Figure 3: QGIS screenshot showing the lines representing the hydrographic networks of the municipality

1.3.1 File Information

Exercise No.	Name	Format	Size	Layer Type
3.2	extremadura-latest-free	.shp	156MB	Vector:Lines

CRS	Source	Download Date	Data Date
EPGS:4326	OpenStreetMap	17-10-2023	04-10-2023

2 Municipality and the Minimum Bounding Rectangle

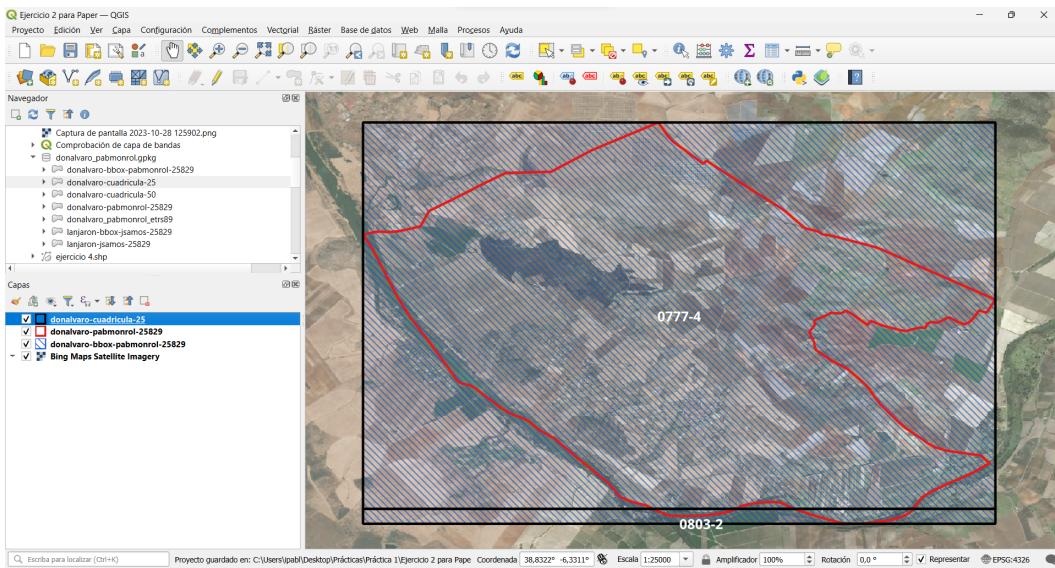


Figure 4: Map layout composition

2.0.1 File Information

Exercise No.	Name	Format	Size	Layer Type
3.3	recintos-municipales-inspire-penimbal-etr89	.shp	57.5MB	Vector:Polygons

CRS	Source	Download Date	Data Date
EPSG:4326	OpenStreetMap	10-10-2023	04-10-2023

2.0.2 Description

Set of sheets covering the municipality.

2.0.3 Additional Data

The municipality's boundary is included to orient the reader.

3 Layer Representation

3.1 Ortho-photography Layer

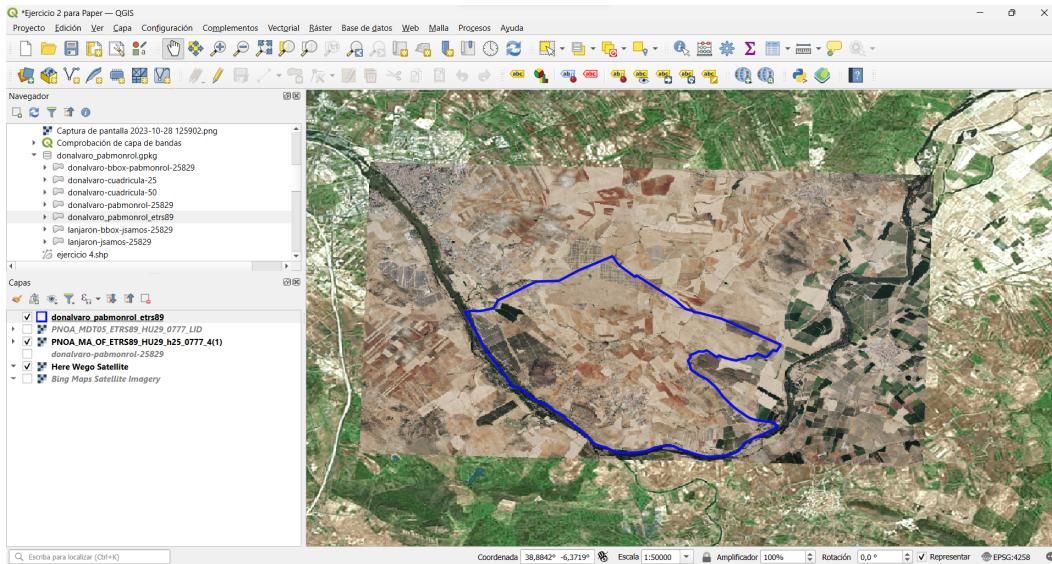


Figure 5: Map layout composition

3.1.1 File Information

Exercise No.	Name	Format	Size	Layer Type
3.4	PNOA-MA-OF-ETRS89-HU29-h25-0777-4	.shp	860B	Raster:Spatial Resolution

CRS	Source	Download Date	Data Date
EPGS:4258	CNIG Download Center (IGN)	24-10-2023	xx-06-2022

3.1.2 Description

Ortho-photo showing real images of the set of sheets covering the municipality.

3.1.3 Additional Data

The municipality's boundary is included to orient the reader.

3.2 DEM Layer

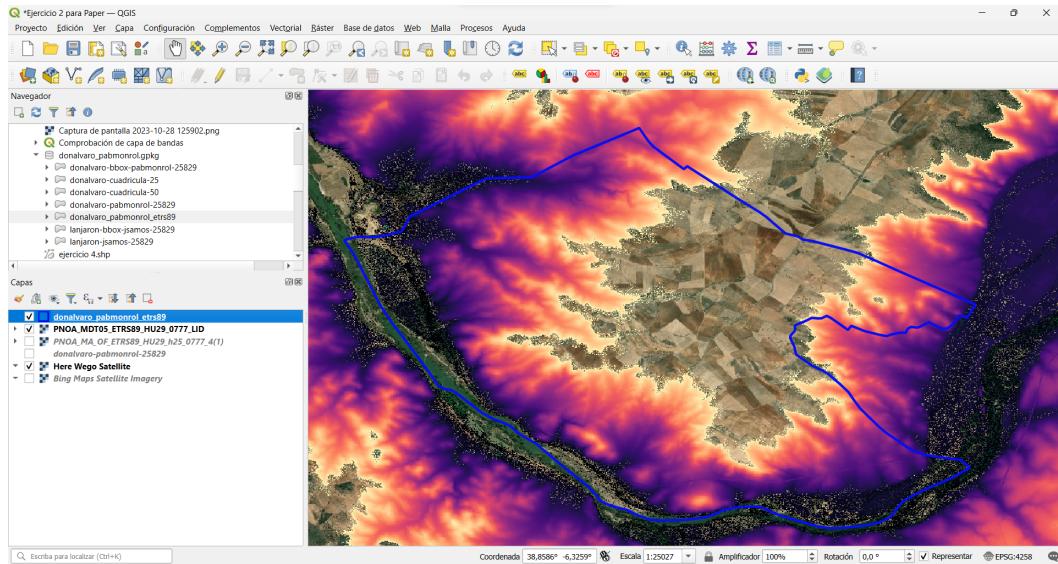


Figure 6: Map layout composition

3.2.1 File Information

Exercise No.	Name	Format	Size	Layer Type
3.4	PNOA-MDT05-ETRS89-HU29-0777-LID	.shp	95.2MB	Raster:Spatial Resolution

CRS	Source	Download Date	Data Date
EPGS:4258	CNIG Download Center (IGN)	24-10-2023	xx-xx-2010

3.2.2 Description

Digital terrain model of the set of sheets covering the municipality.

3.2.3 Additional Data

The municipality's boundary is included to orient the reader.

3.3 CartoCiudad Layer

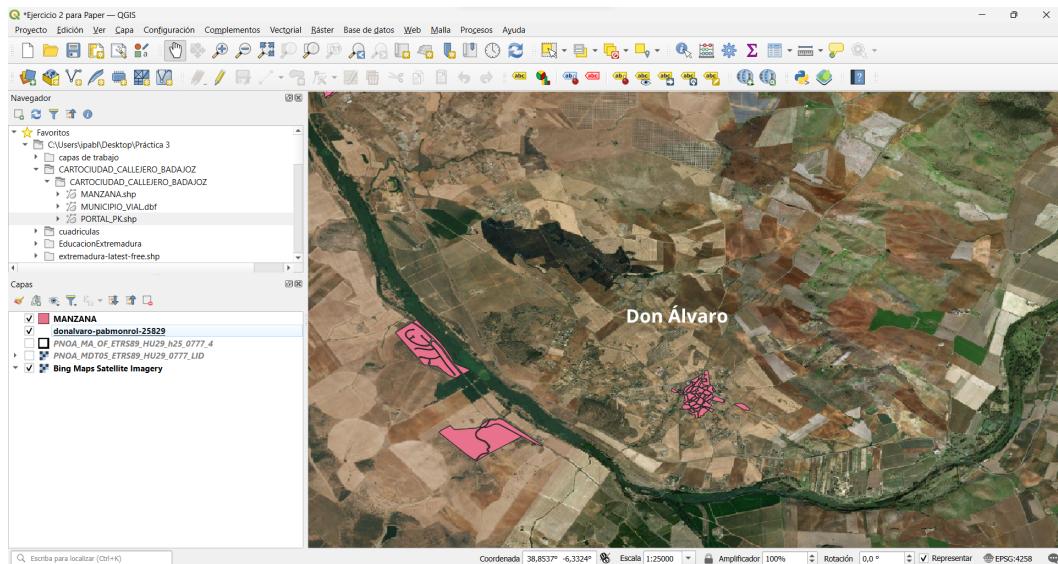


Figure 7: Representation of the cartography of the municipality of Don Álvaro

3.3.1 File Information

Exercise No.	Name	Format	Size	Layer Type
3.4	MANZANA	.shp	19.54MB	Vector:Polygons

CRS	Source	Download Date	Data Date
EPGS:4258	CNIG Download Center (IGN)	27-10-2023	01-08-2023

3.3.2 Description

Cartography of the municipality.

3.3.3 Additional Data

The name of the municipality is included.

3.4 CORINE Land Cover Map of Land Use/Cover

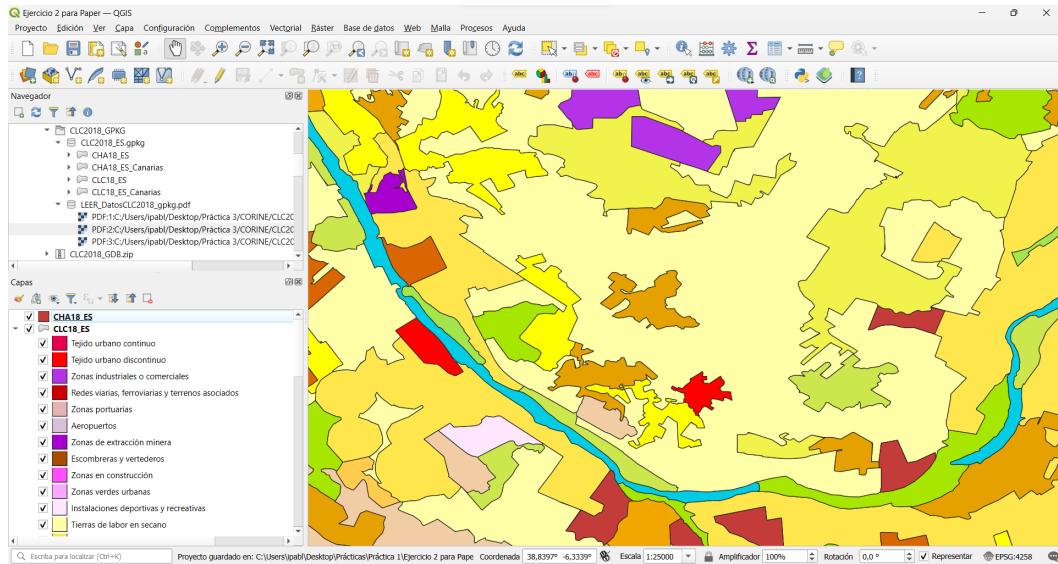


Figure 8: Representation of the environmental diversity of the municipality

3.4.1 File Information

Exercice No.	Name	Format	Size	Layer Type
3.4	CLC2018-ES	.gpkg	2.97GB	Vector:Polygons

CRS	Source	Download Date	Data Date
EPGS:4258	CNIG Download Center (IGN)	27-10-2023	10-01-2019

3.4.2 Description

This CORINE cartographic layer reveals the fascinating environmental diversity of the municipality.

4 Satellite Bands

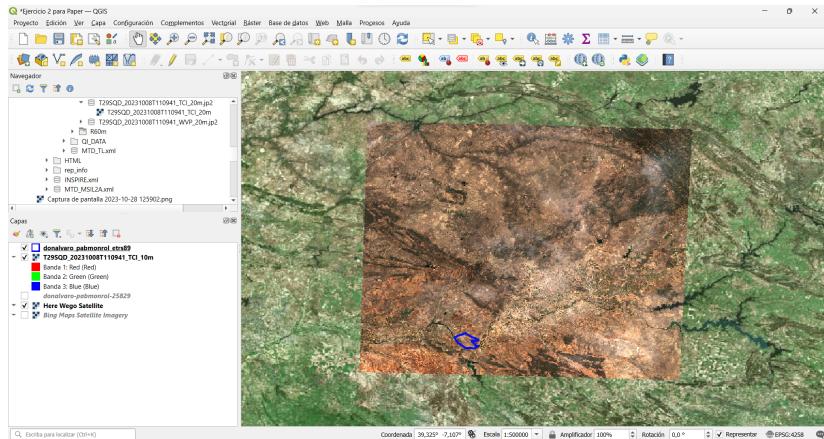


Figure 9: Representation of satellite bands at 1:500000 resolution

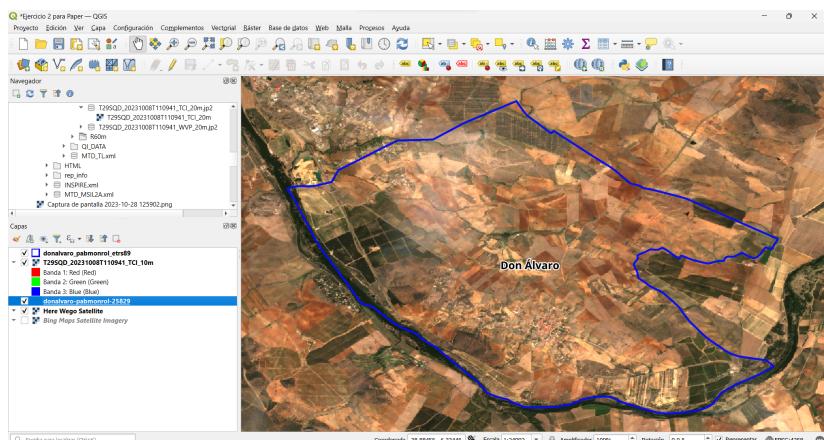


Figure 10: Representation of satellite bands at 1:25000 resolution

4.0.1 File Information

Exercise No.	Name	Format	Size	Layer Type
3.5	T29SQD-20231008T110941-TCI-10m	.jp2	128MB	Raster:Number of Bands

CRS	Source	Download Date	Data Date
EPGS:4258	Copernicus Open Access Hub	24-10-2023	08-10-2023

4.0.2 Description

Representation of the satellite bands at different resolutions.