GIS vs CAD. La specificità di un GIS.

Il Cad

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- Gestisce “entità” geometriche (punti, linee, poligoni, cerchi, spline, solidi platonici, superfici NURBS, testi).

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- Fornisce potenti strumenti di disegno e manipolazione delle forme (array, stretch...), piuttosto che di rappresentazione bi/ tridimensionale.

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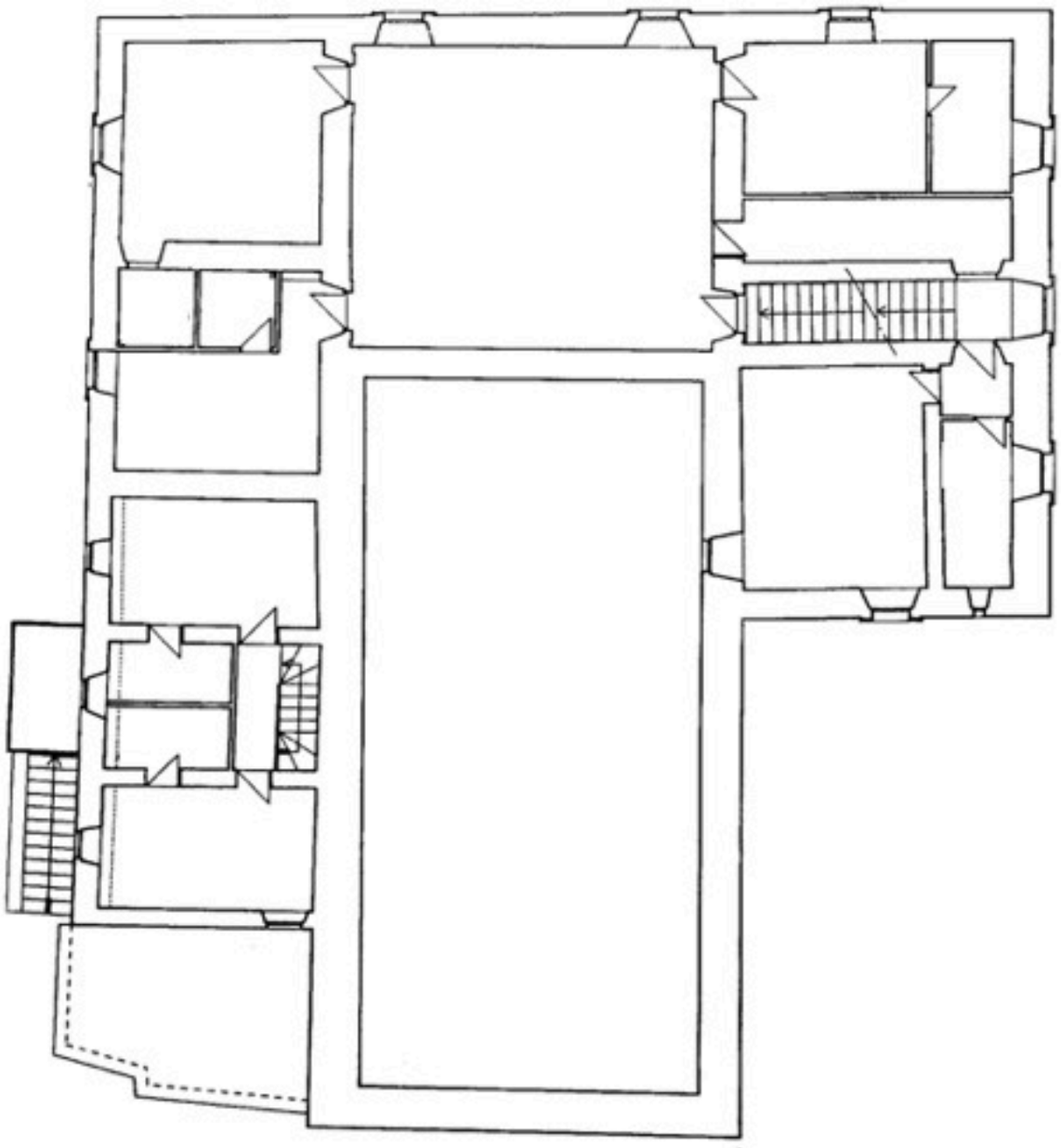
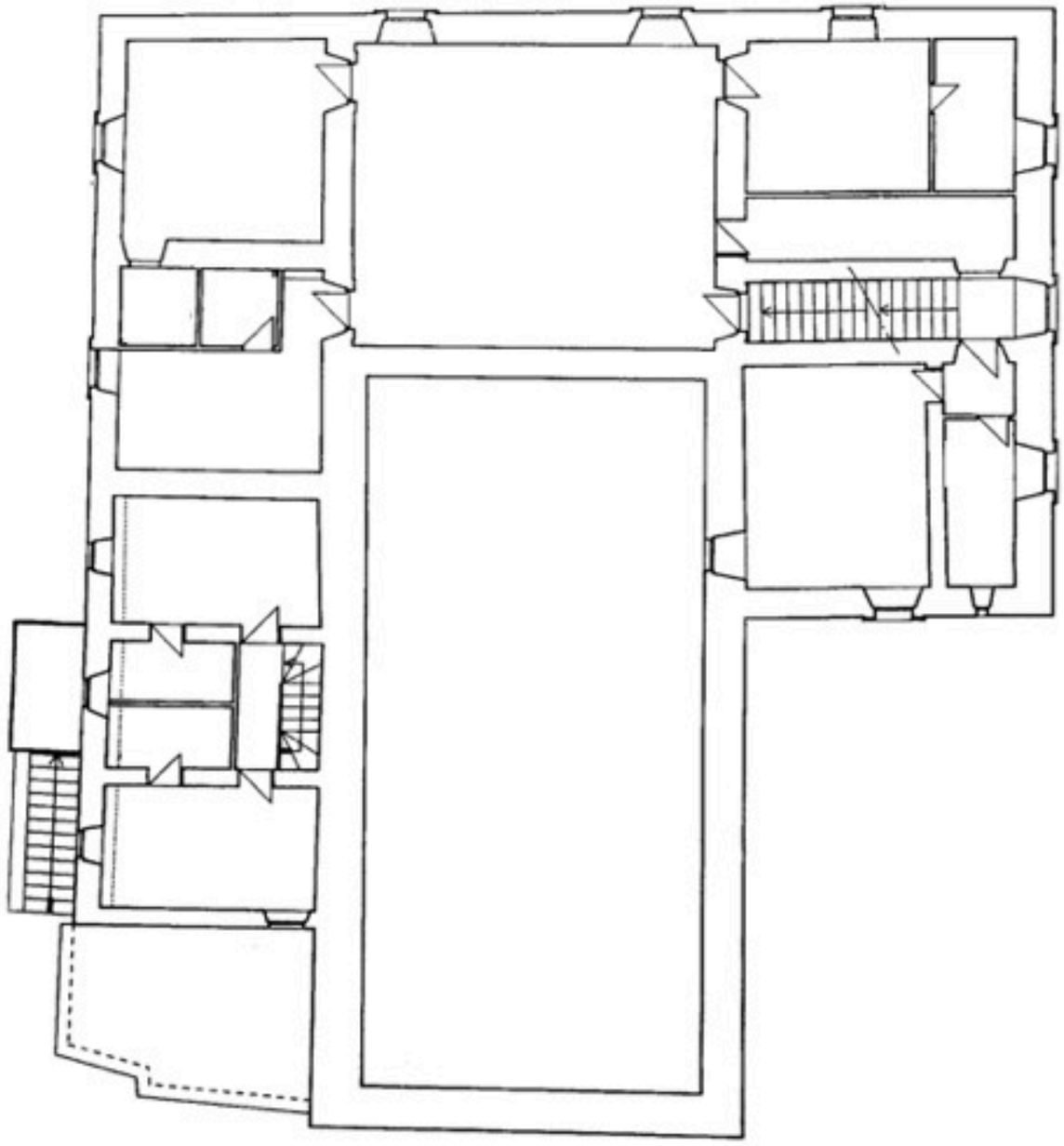
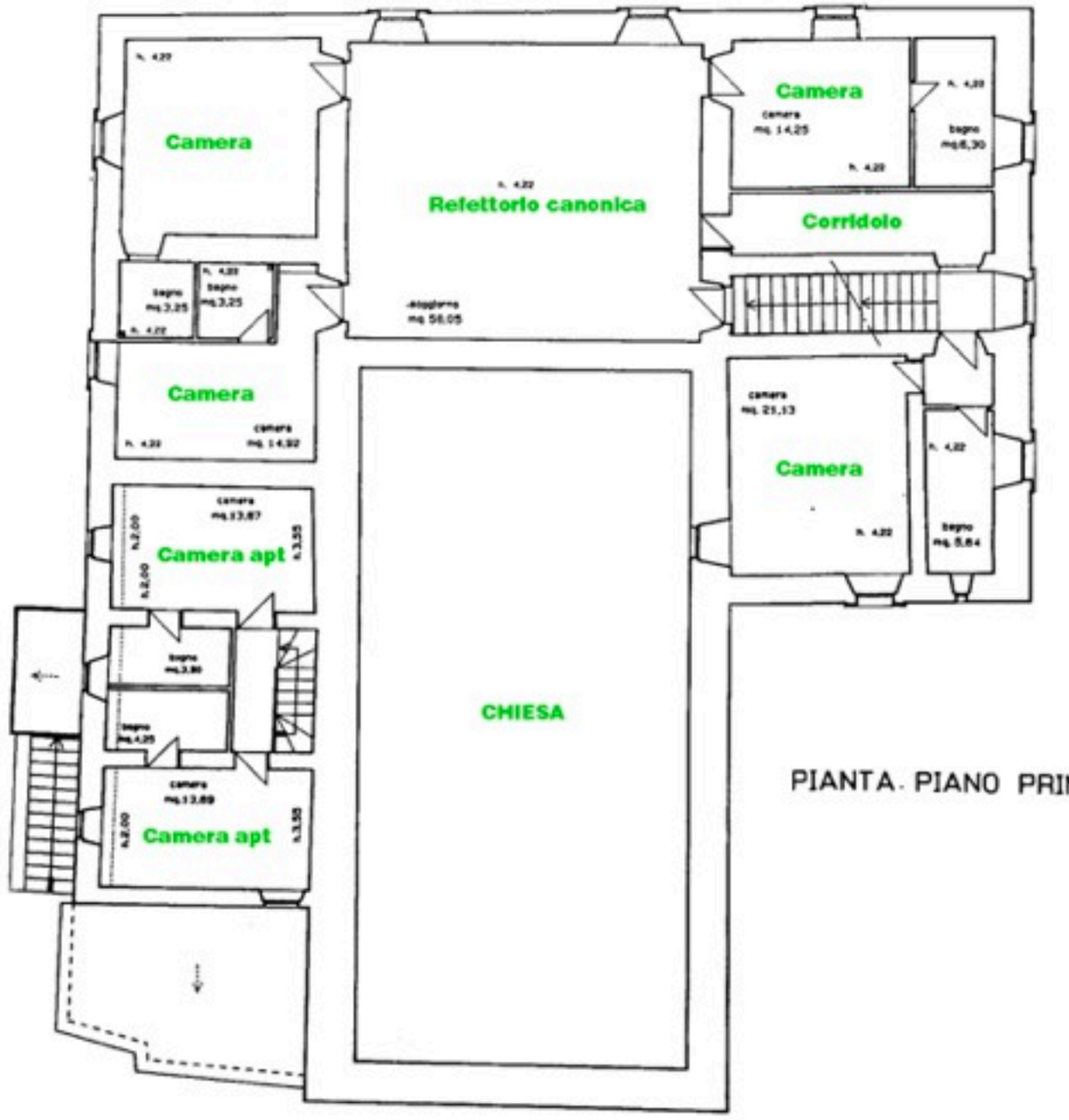
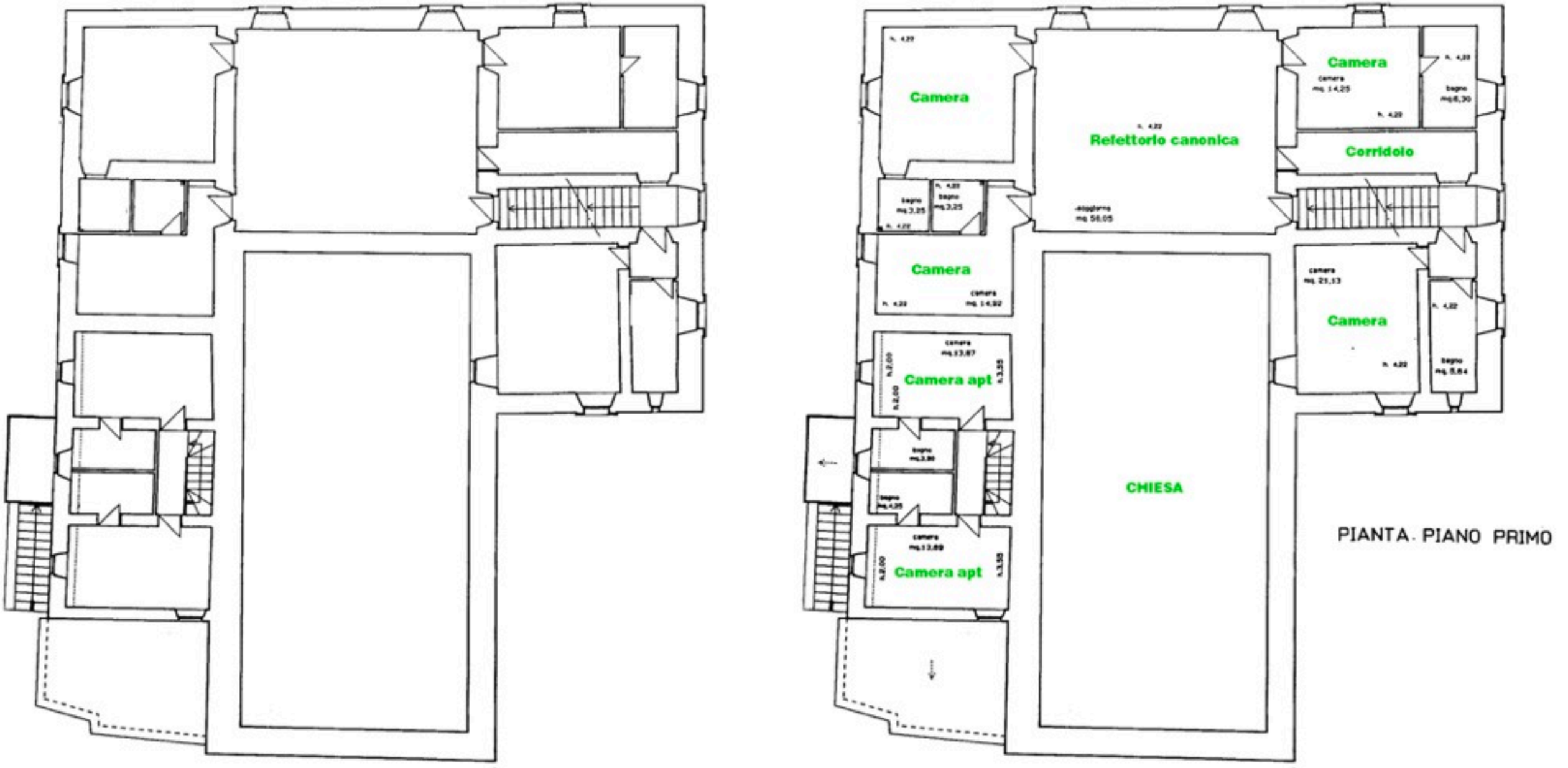
- Layer e blocchi sono i soli “meccanismi” per raggruppare entità tra di loro.







PIANTA. PIANO PRIMO



Il Cad considera le “scritte”, al pari di una linea o di un poligono. Non riconosce l’oggetto “refettorio” ad esempio

Il Gis

Il Gis

- Gestisce “solo” Punti, Linee e Poligonali chiuse, in forma semplice o multipla.

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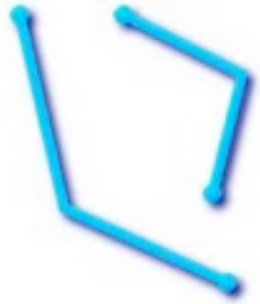
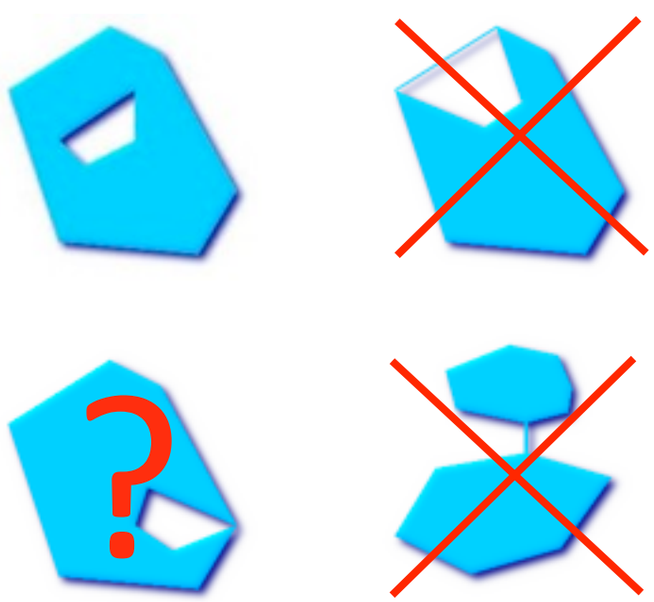
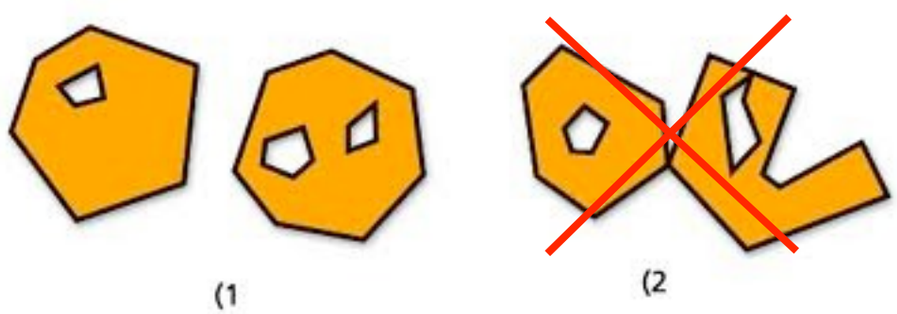
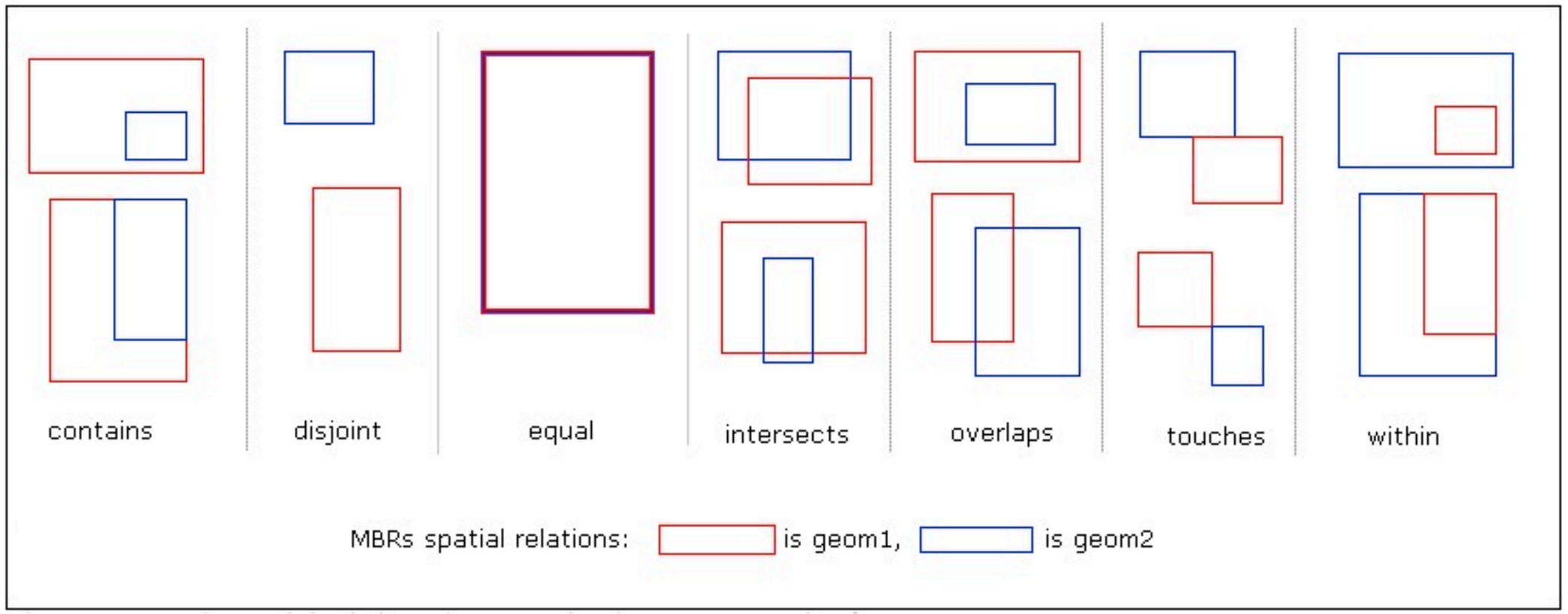
- Aggiunge il concetto di “topologia”, mettendo in relazione le entità tra di loro, secondo operatori logici booleani (intersezione, unione, appartenenza)

	SIMPLE	MULTI
POINT		
LINESTRING		
POLYGON		 (1 (2

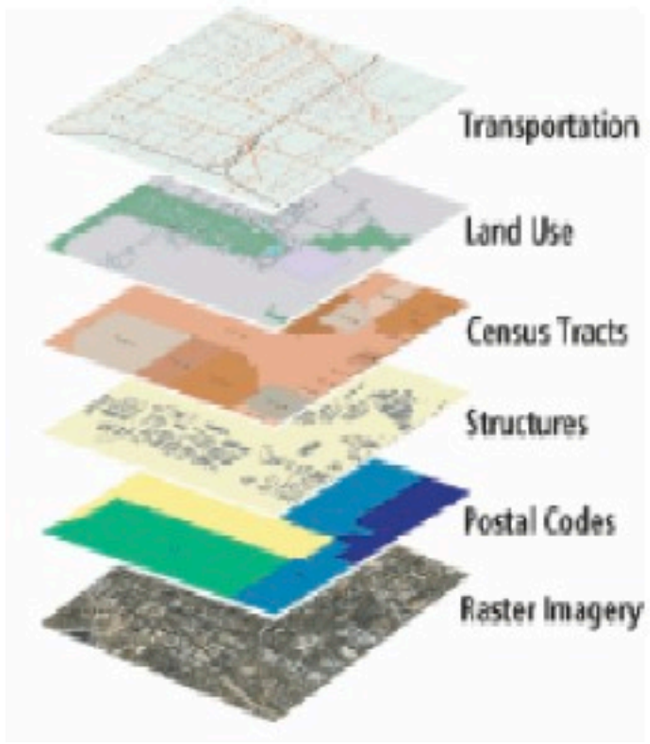
OpenGIS spatial objects (WellKnownText)

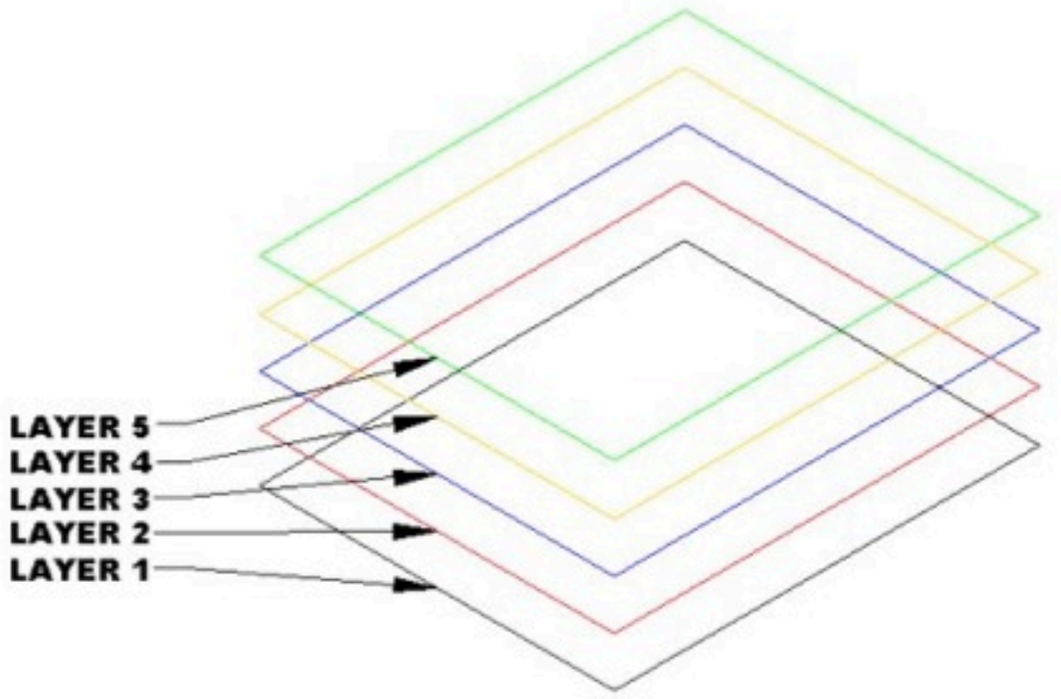
- POINT(0 0)
- LINESTRING(0 0,1 1,1 2)
- POLYGON((0 0,4 0,4 4,0 4,0 0),(1 1, 2 1, 2 2, 1 2,1 1))
- MULTIPOINT(0 0,1 2)
- MULTILINESTRING((0 0,1 1,1 2),(2 3,3 2,5 4))
- MULTIPOLYGON(((0 0,4 0,4 4,0 4,0 0),(1 1,2 1,2 2,1 2,1 1)), ((-1 -1,-1 -2,-2 -2,-2 -1,-1 -1)))
- GEOMETRYCOLLECTION(POINT(2 3),LINESTRING(2 3,3 4))

Relazioni topologiche



Tematismi, vestizioni e mappa.



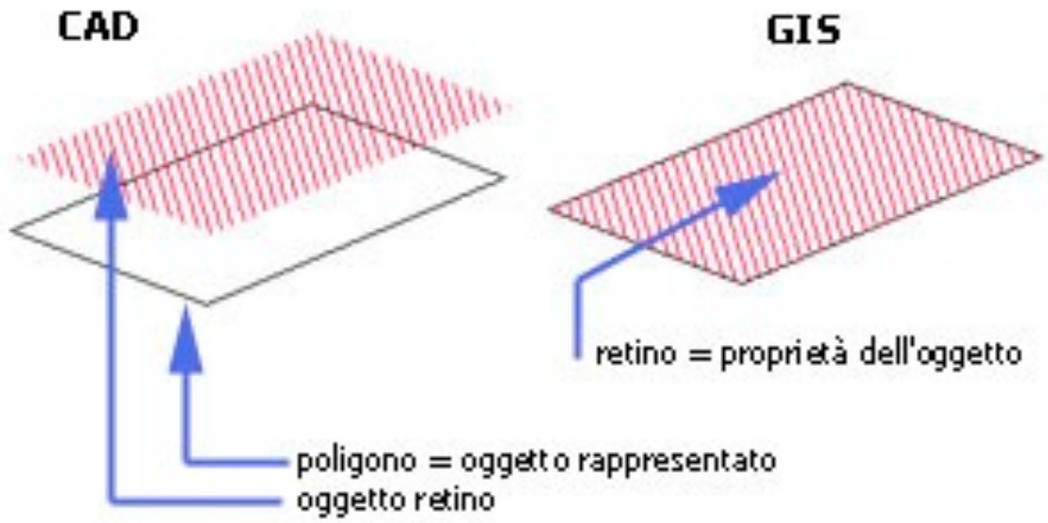


Associazione entità-livello

1 - molti

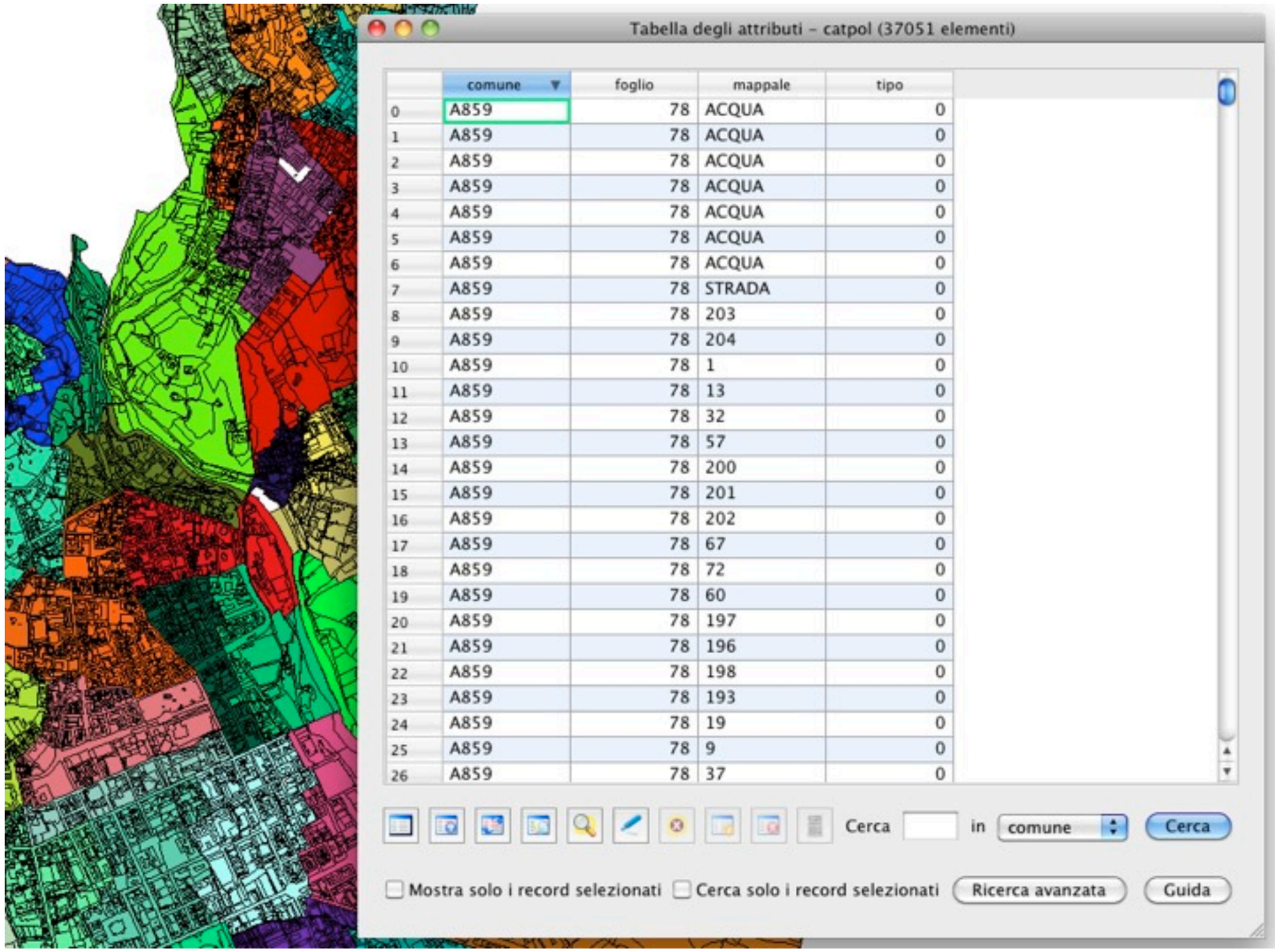
1 - 1

.... vestizioni

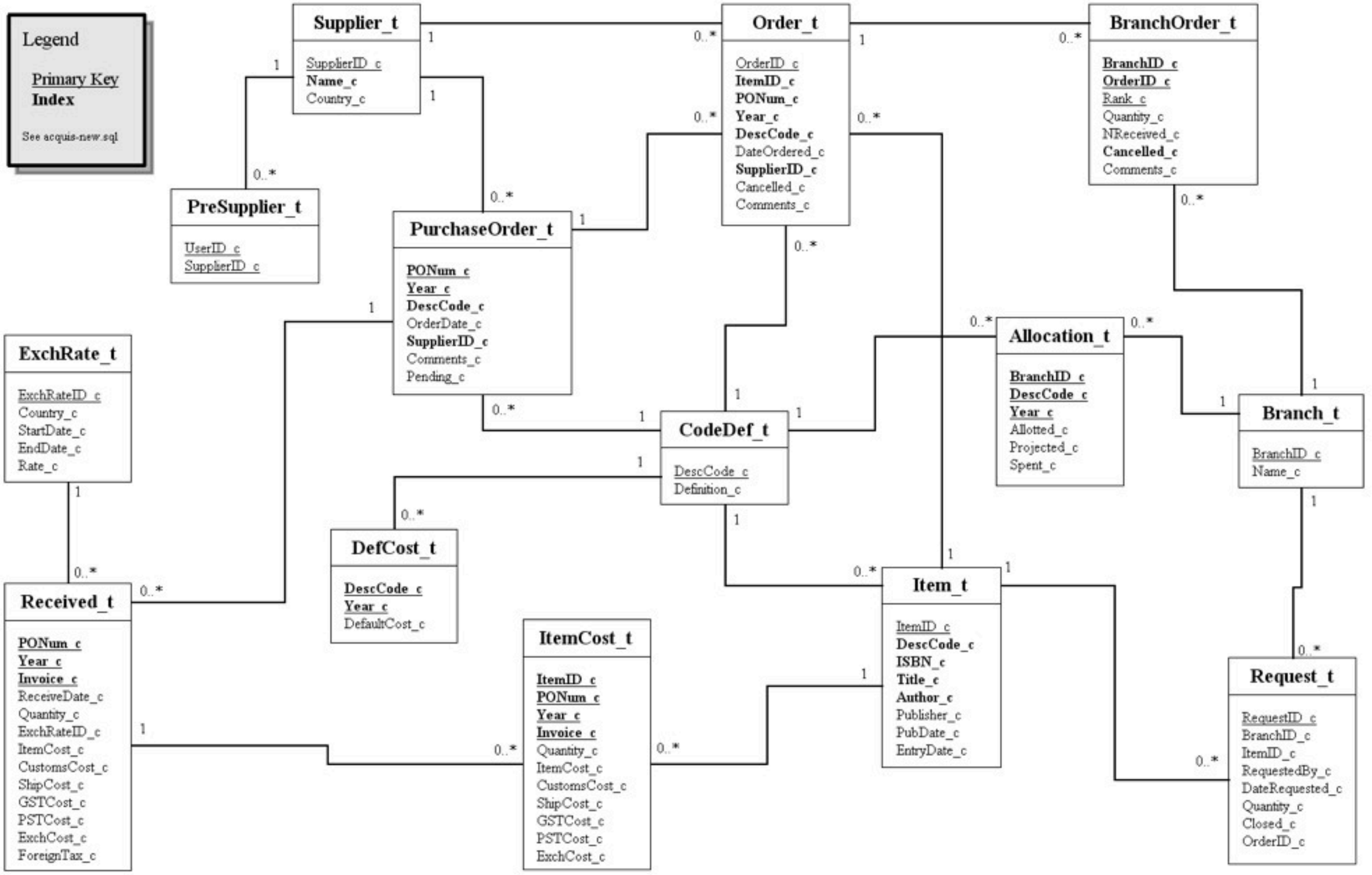


Nel Cad il “retino” è un oggetto, nel Gis una proprietà

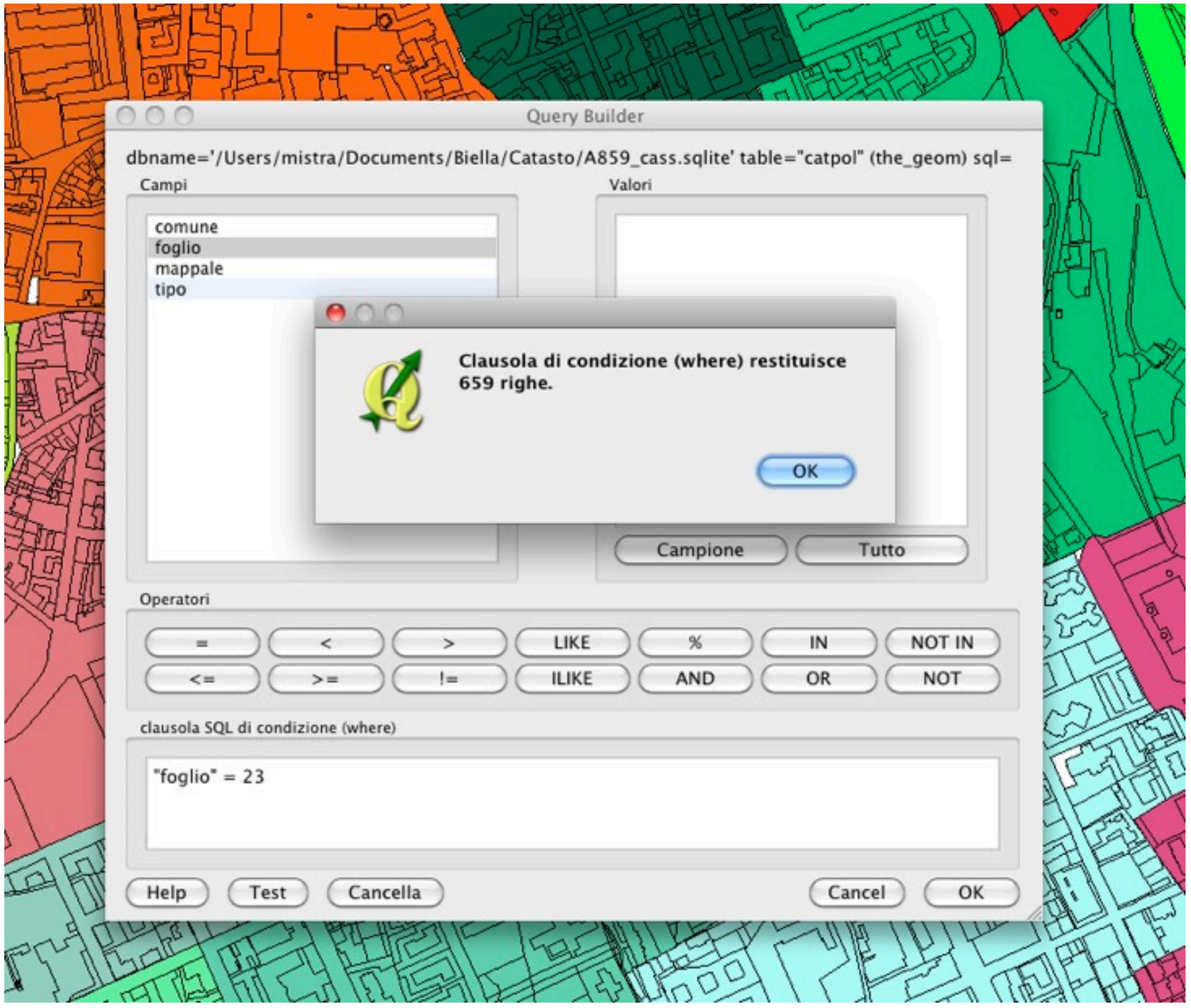
Tabelle, database e interrogazioni



… database….


Legend
Primary Key
Index
See acquis-new.sql
Supplier_t
SupplierID_c
Name_c
Country_c
Order_t
OrderID_c
ItemID_c
PONum_c
Year_c
DescCode_c
DateOrdered_c
SupplierID_c
Cancelled_c
Comments_c
BranchOrder_t
BranchID_c
OrderID_c
Rank_c
Quantity_c
NReceived_c
Cancelled_c
Comments_c
PreSupplier_t
UserID_c
SupplierID_c
PurchaseOrder_t
PONum_c
Year_c
DescCode_c
OrderDate_c
SupplierID_c
Comments_c
Pending_c
Allocation_t
BranchID_c
DescCode_c
Year_c
Allotted_c
Projected_c
Spent_c
Branch_t
BranchID_c
Name_c
ExchRate_t
ExchRateID_c
Country_c
StartDate_c
EndDate_c
Rate_c
CodeDef_t
DescCode_c
Definition_c
DefCost_t
DescCode_c
Year_c
DefaultCost_c
Item_t
ItemID_c
DescCode_c
ISBN_c
Title_c
Author_c
Publisher_c
PubDate_c
EntryDate_c
Received_t
PONum_c
Year_c
Invoice_c
ReceiveDate_c
Quantity_c
ExchRateID_c
ItemCost_c
CustomsCost_c
ShipCost_c
GSTCost_c
PSTCost_c
ExchCost_c
ForeignTax_c
ItemCost_t
ItemID_c
PONum_c
Year_c
Invoice_c
Quantity_c
ItemCost_c
CustomsCost_c
ShipCost_c
GSTCost_c
PSTCost_c
ExchCost_c
Request_t
RequestID_c
BranchID_c
ItemID_c
RequestedBy_c
DateRequested_c
Quantity_c
Closed_c
OrderID_c

… e query.


Query Builder
dbname='/Users/mistra/Documents/Biella/Catasto/A859_cass.sqlite' table="catpol" (the_geom) sql=
Campi
comune
foglio
mappale
tipo
Valori
Campione
Tutto
Clausola di condizione (where) restituisce 659 righe.
OK
Operatori
=
<
>
LIKE
%
IN
NOT IN
<=
>=
!=
ILIKE
AND
OR
NOT
clausola SQL di condizione (where)
"foglio" = 23
Help
Test
Cancella
Cancel
OK

Quantum GIS. Presentazione.

www.qgis.org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The Quantum GIS project is pleased to announce the release of the QGIS version 1.6.0.
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I don't mind either way.
I don't use code check outs or even know what the question means.
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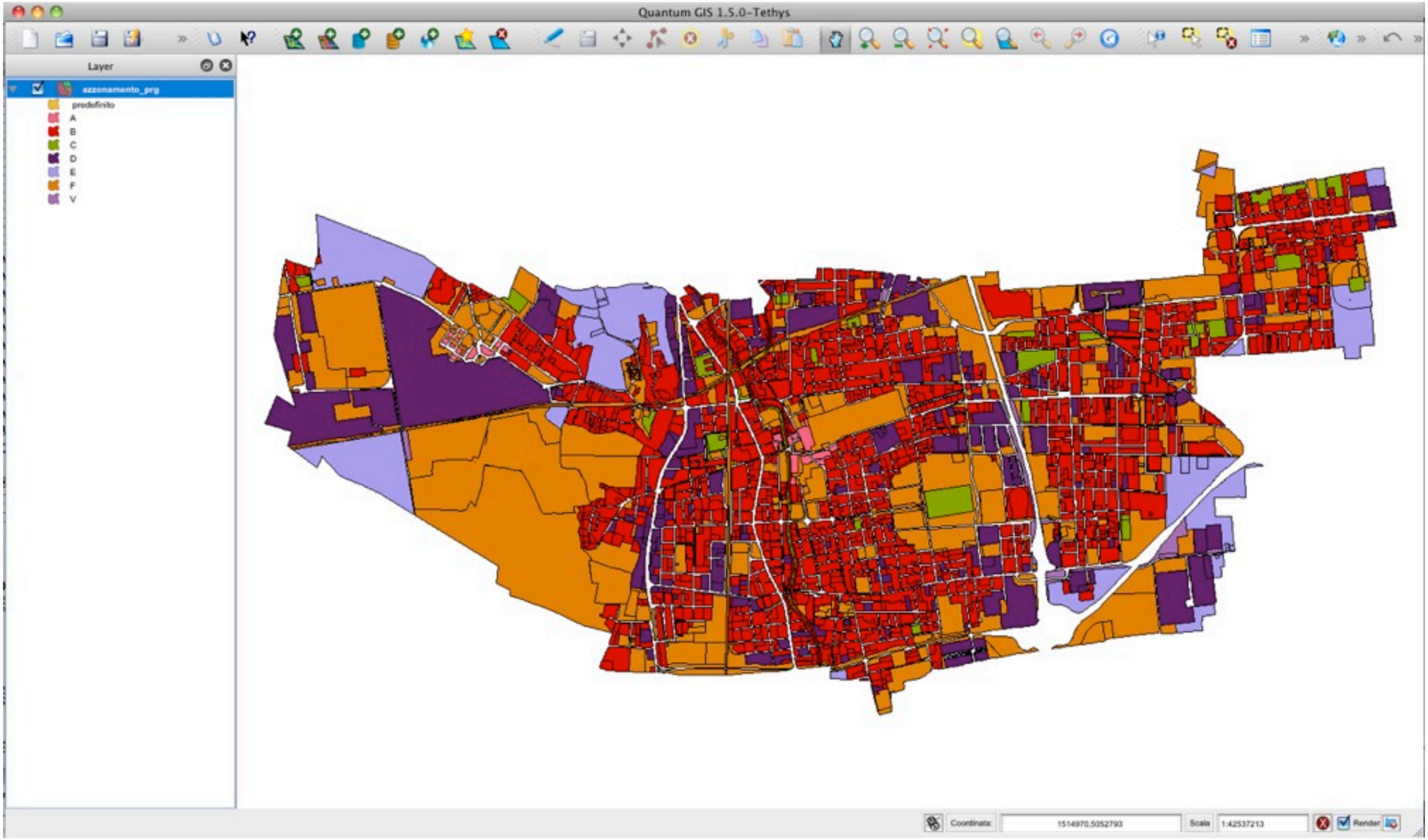
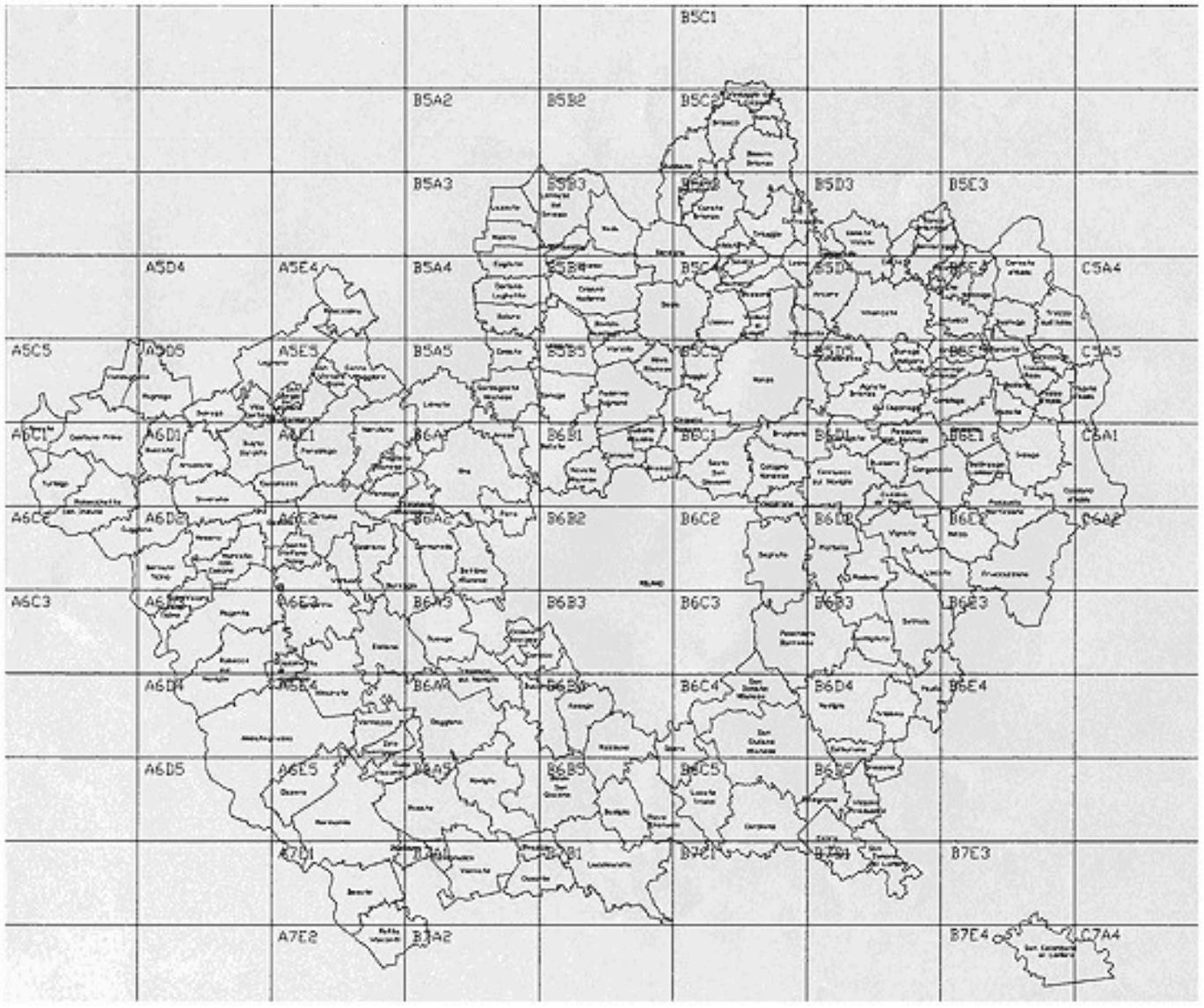
Il desktop di QuantumGIS



Zoom

http://temi.provincia.milano.it/servizio_cartografia/sito_7/cartina/ctr_tot.html



Carta Tecnica Regionale

Cartoindice

1 2 3 4 5

Elenco dei Comuni della Provincia di Milano con riferimento alla copertura fotografica e alla CTR/94

Chiudi