



Qatar University
College of Engineering
Department of Architecture & Urban Planning

ARCT 421 Introduction to Urban Design and Planning

Global Cities

Rome

'The City of Seven Hills'

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Geographic Location

Italy: located south of Europe

Rome: Lazio region, western central Italy, along the Tiber River.



Rome



Longitude: 12° 27' E

Latitude: 41° 54' N

Altitude: 14 m

Population: 2,645,907

City Type: Historical City

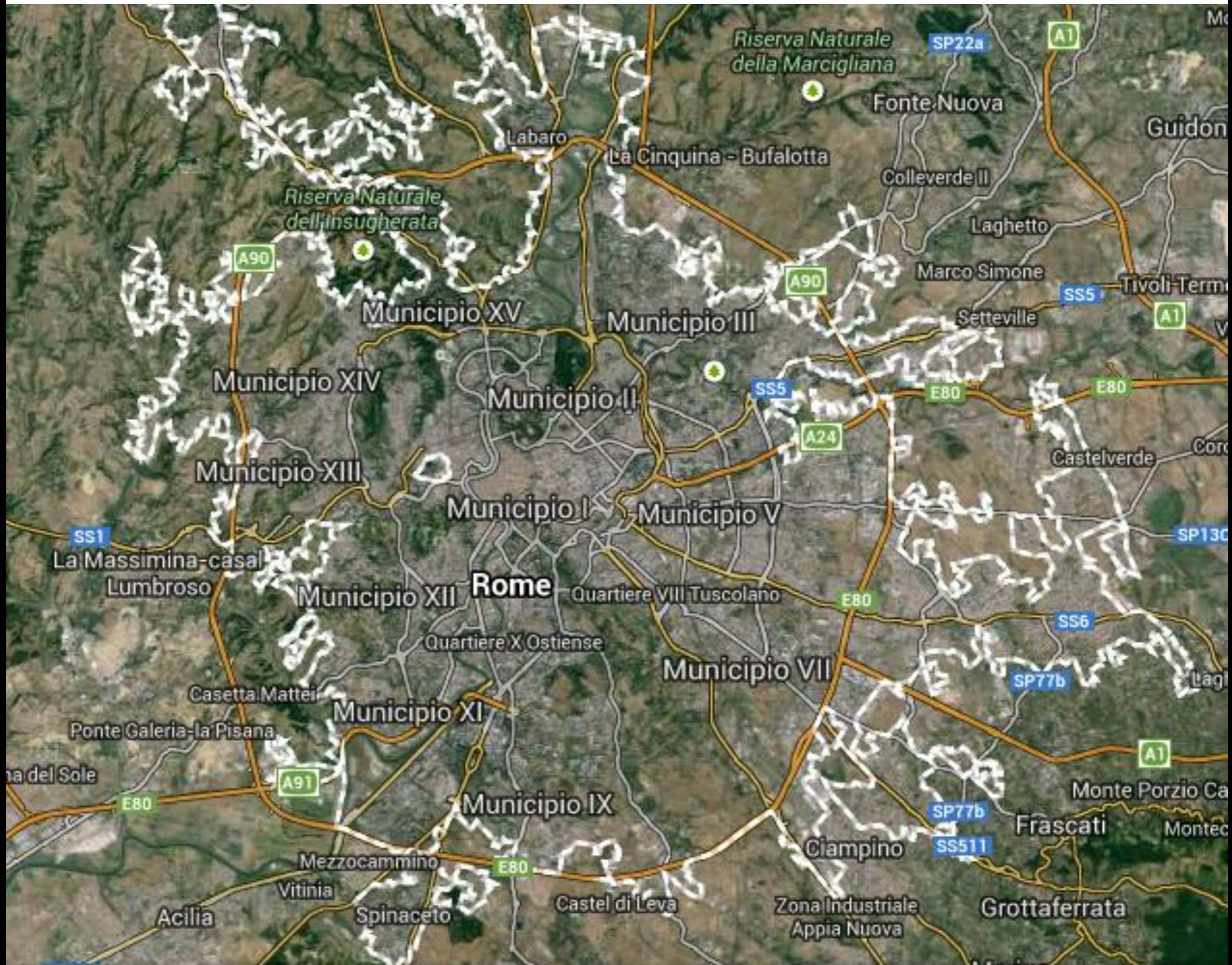
Geography: The Seven Hills and The Tiber River. lies to the west of the Apennine Mountains

Climate: Mediterranean climate with mild, humid winters and warm, dry summers

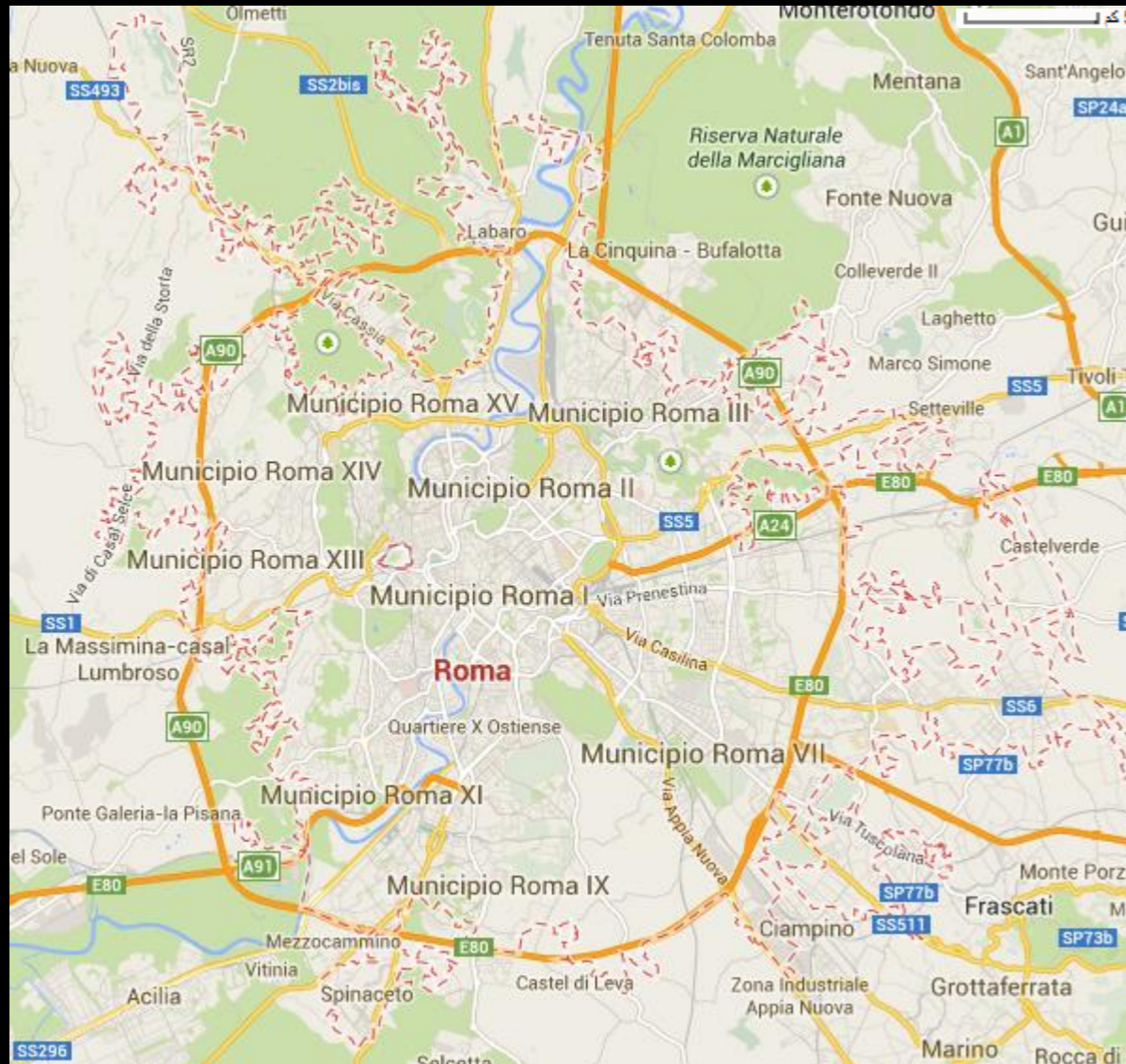
Green Area: 154 S.km

Built-Up Area: 113.31 S.km

City Boundaries



Area:



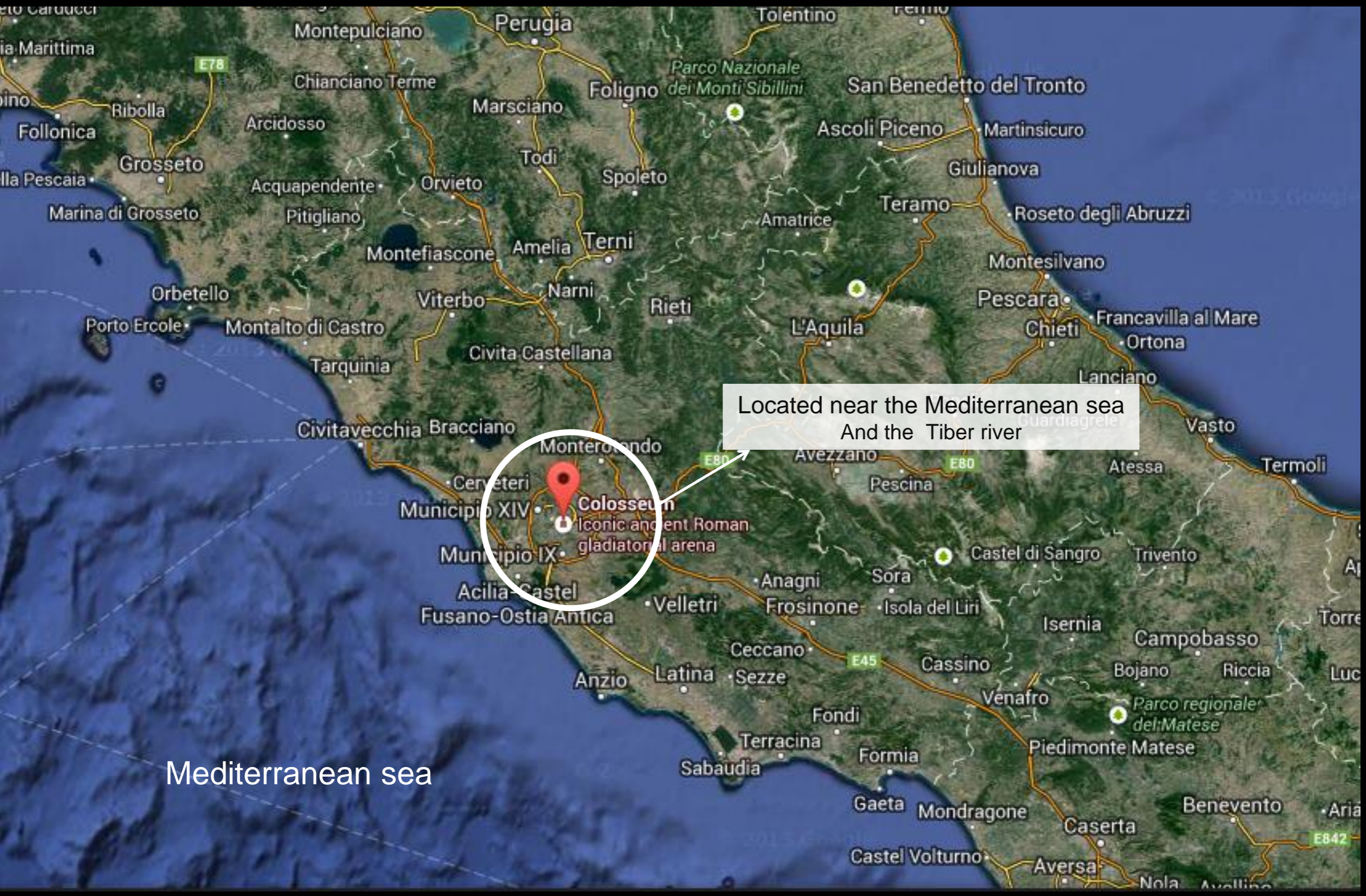
Area= 1,285.31 km²



Area=132.1 km²

Doha City area is only 10.3 % of Rome city area

City location within the country



Located near the Mediterranean sea
And the Tiber river

Mediterranean sea

Urban Context:



Major Landmarks

The Vatican city



Tiber river



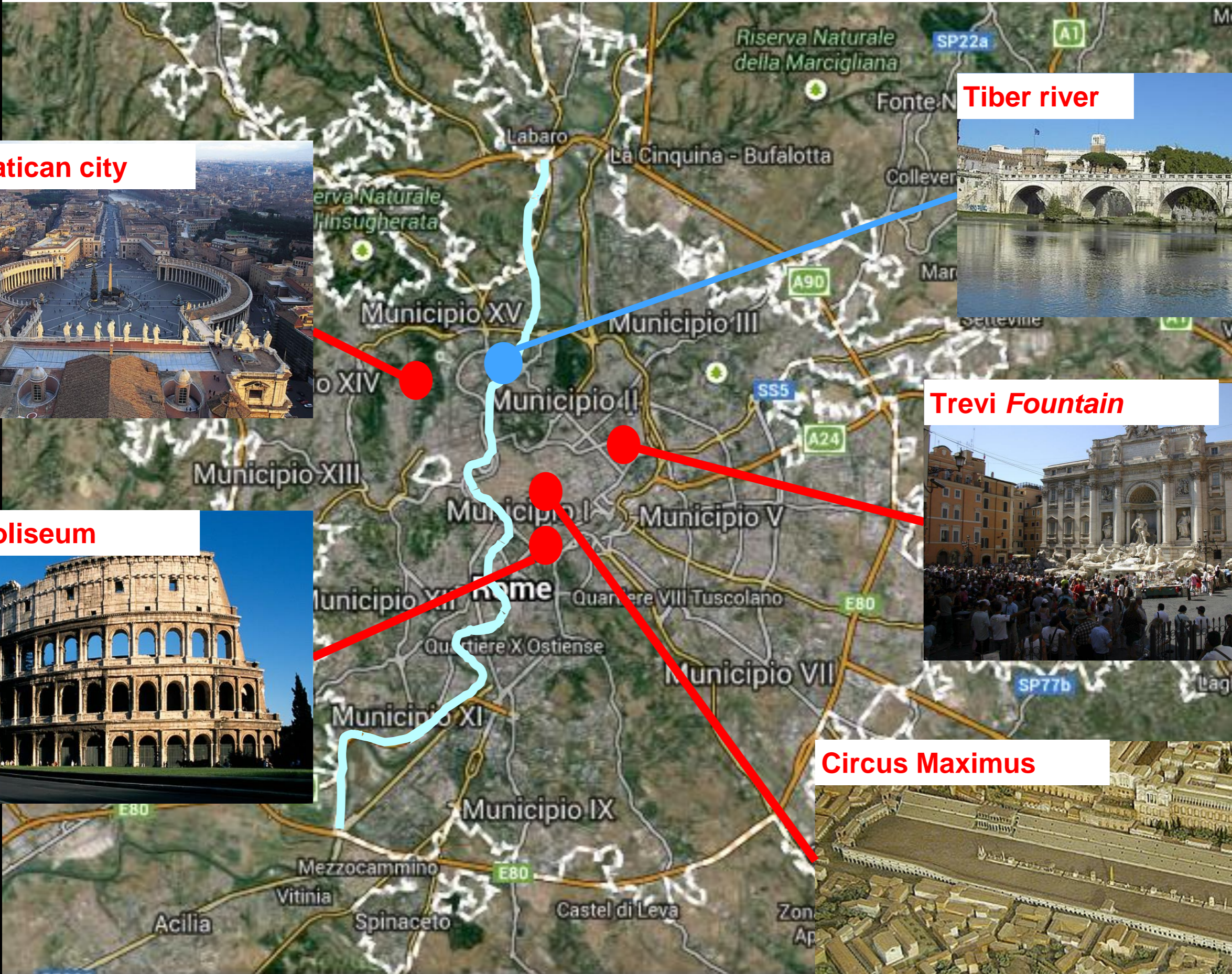
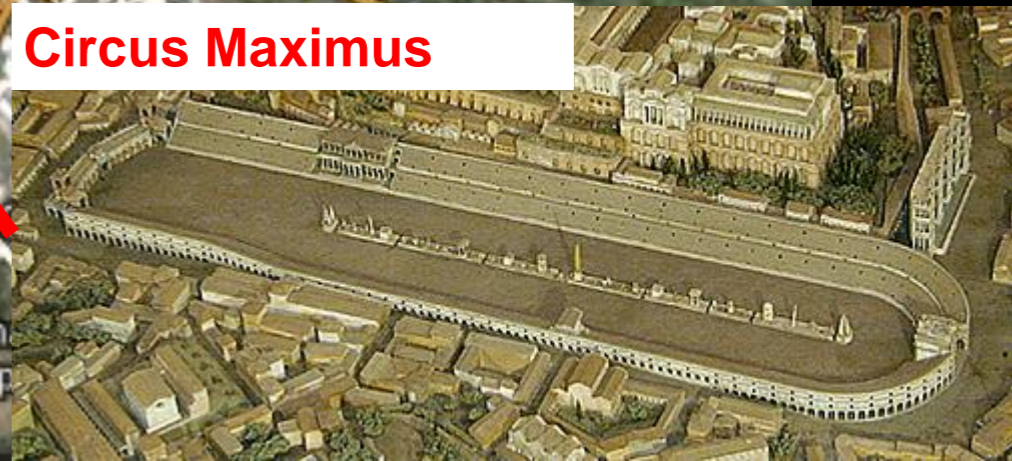
Trevi Fountain



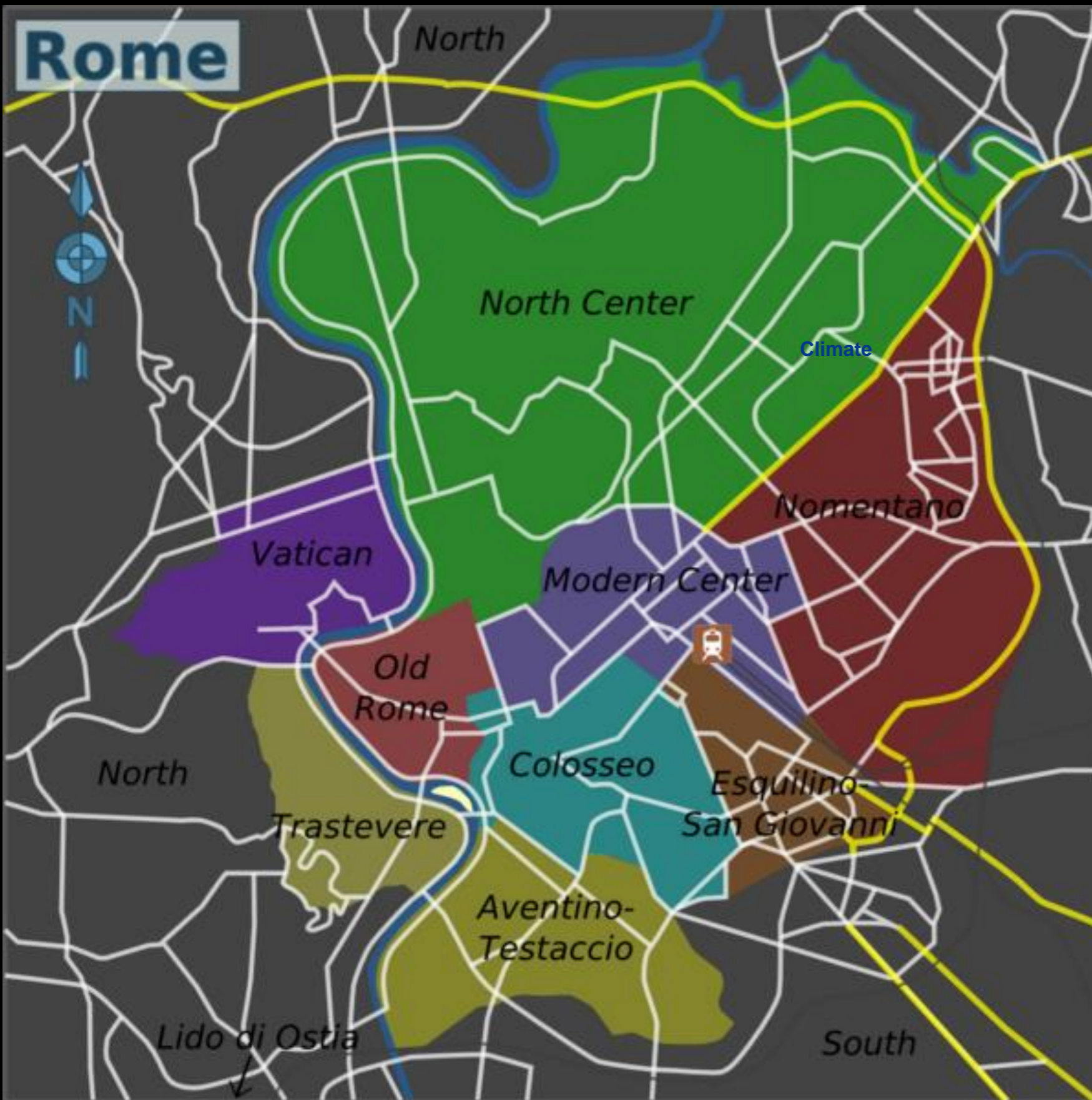
The Coliseum



Circus Maximus



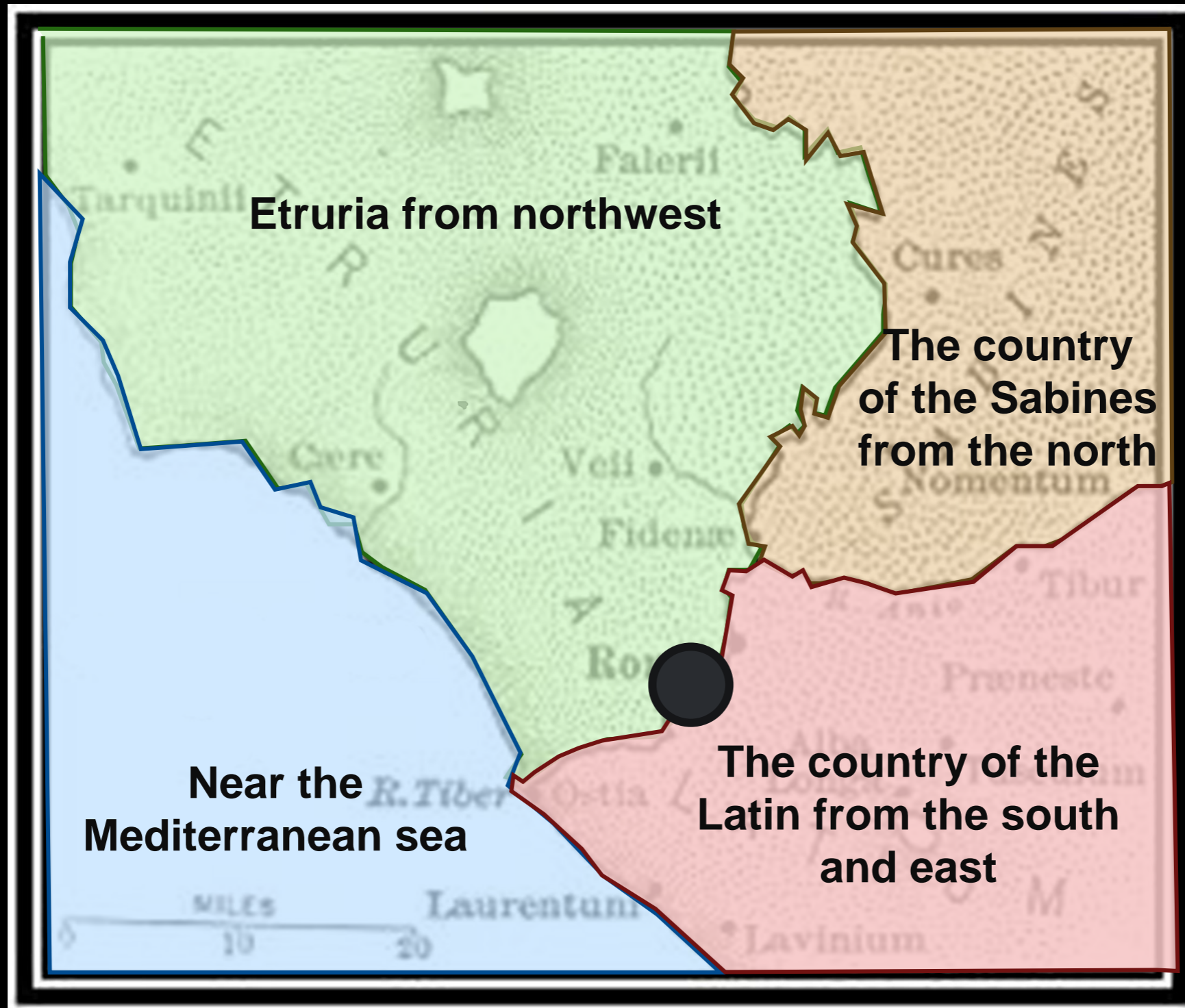
City District Zoning:



History of the City

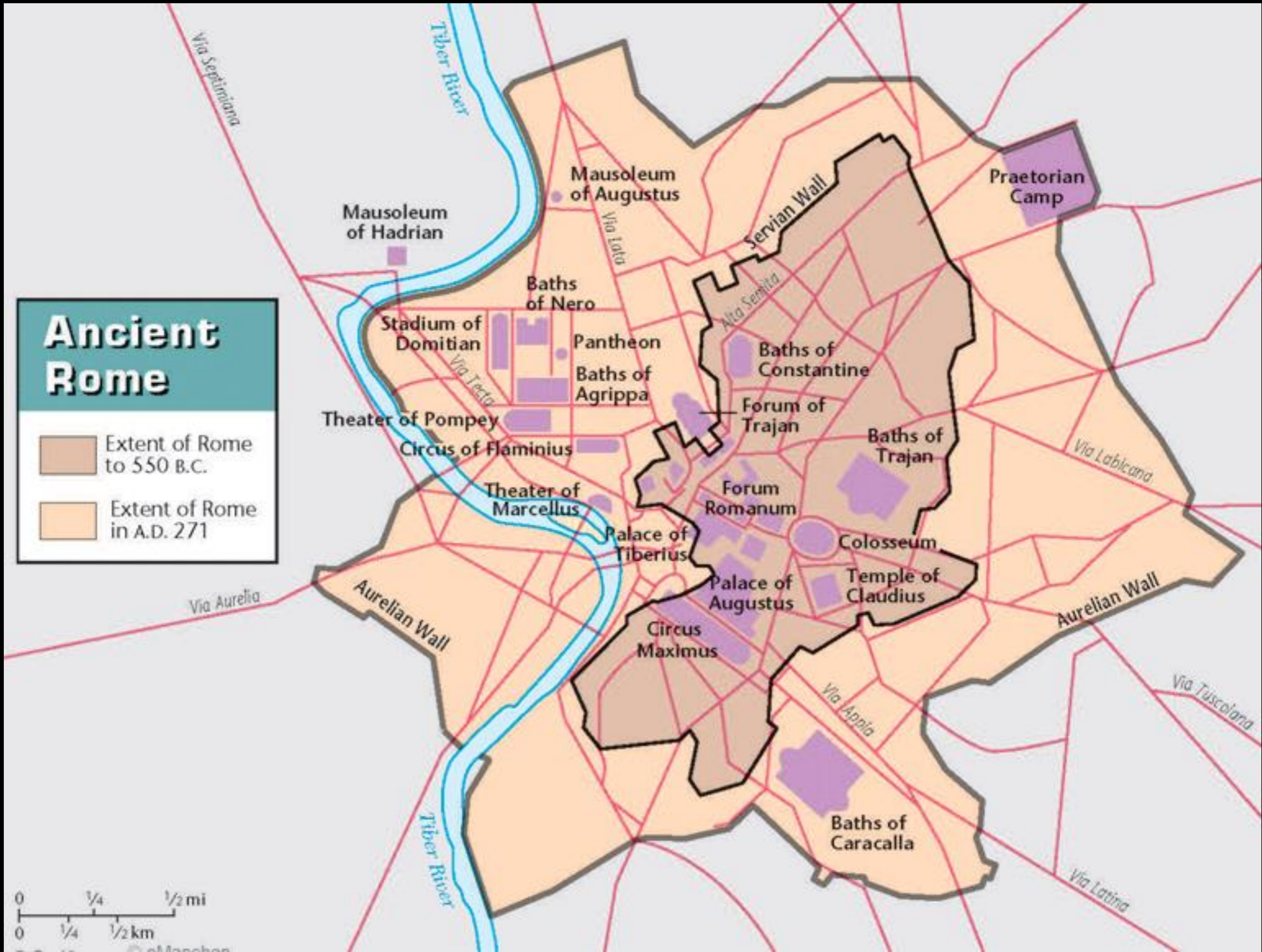
History: the beginnings of Rome

(N.D) Rome was located at the point of contact between three important countries



History: Extent of Rome in the ancient times

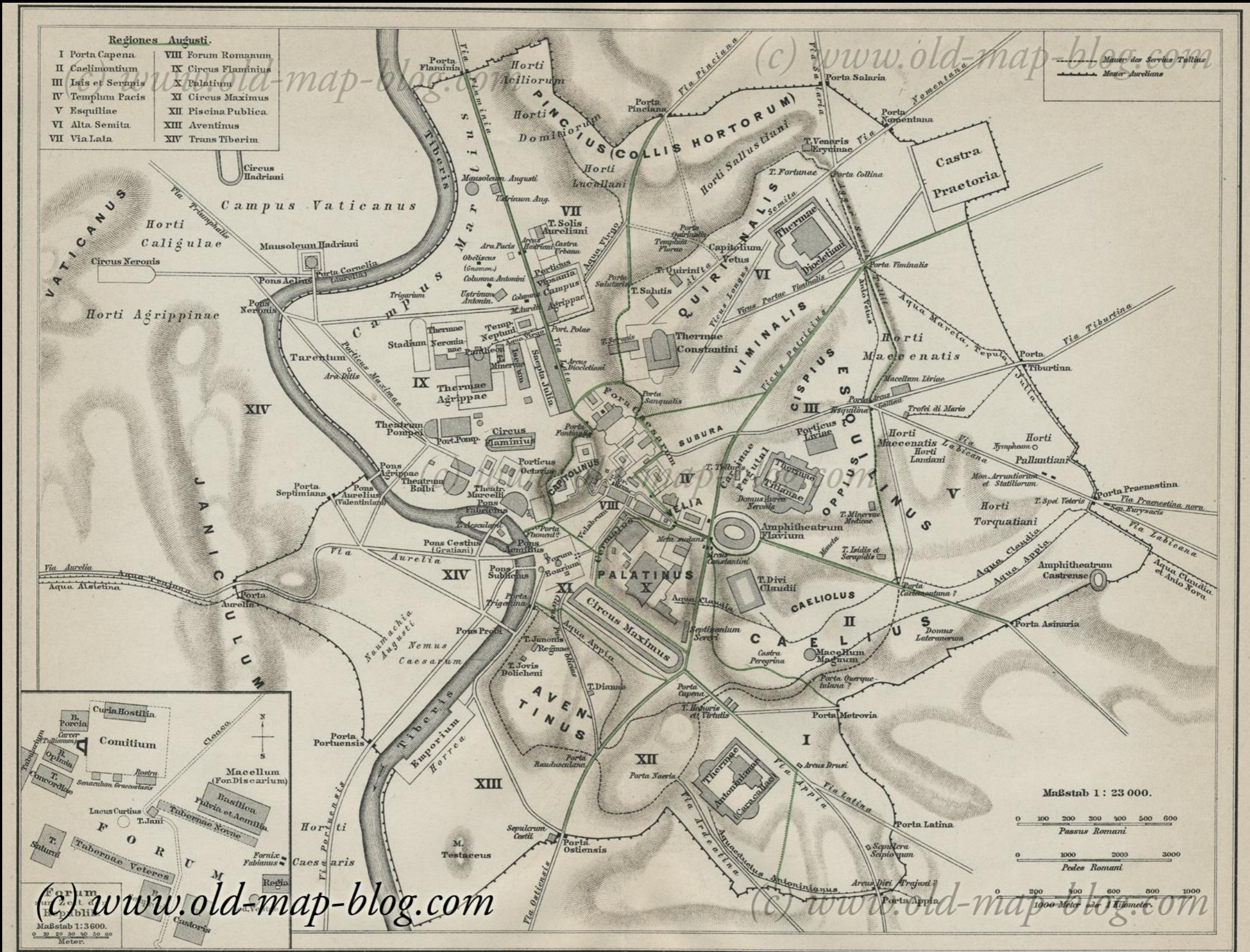
(550 B.C -A.D 271) Sabine, Latin and Rome were united



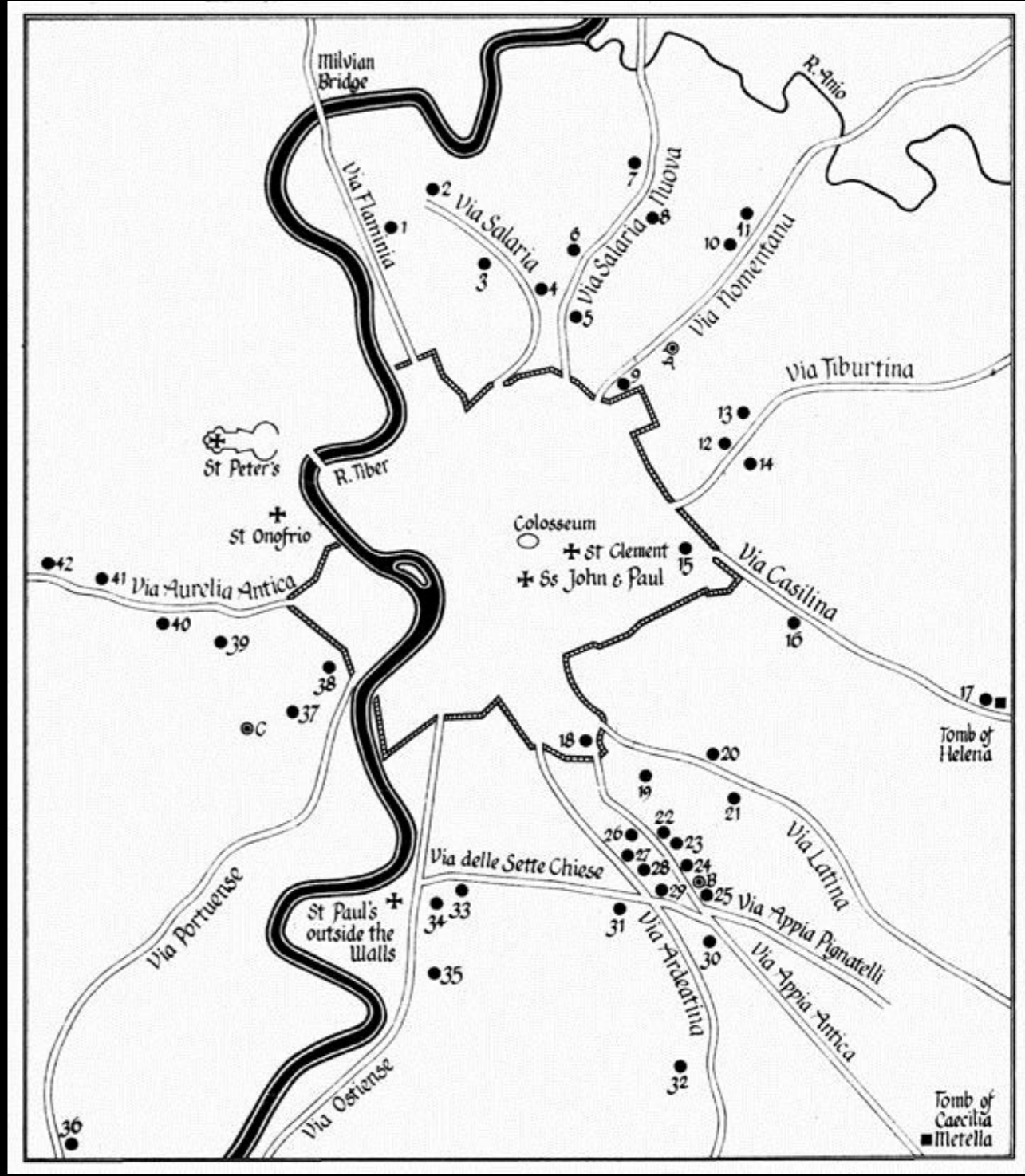
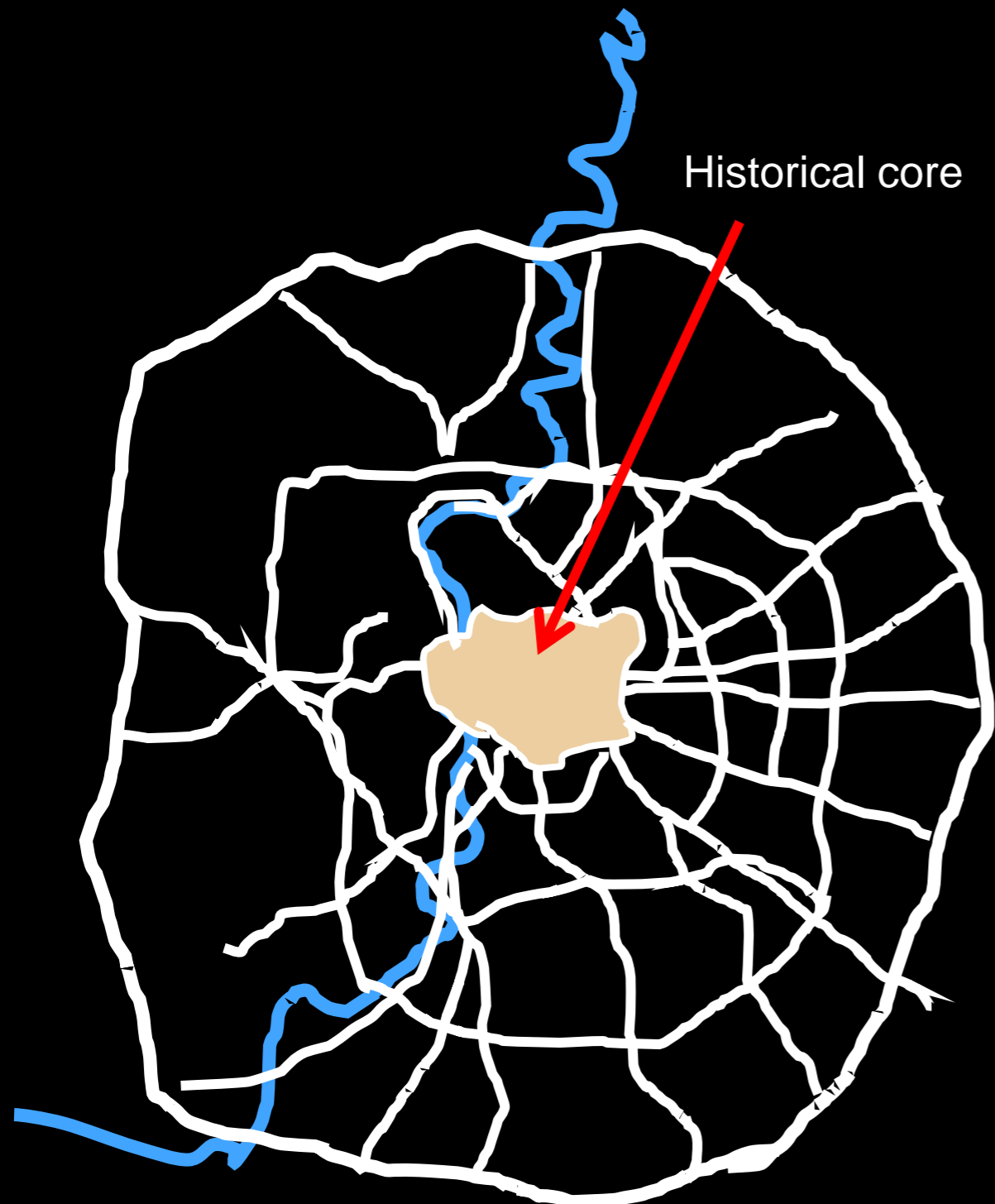
(1623-1644) middle ages



19th century Rome



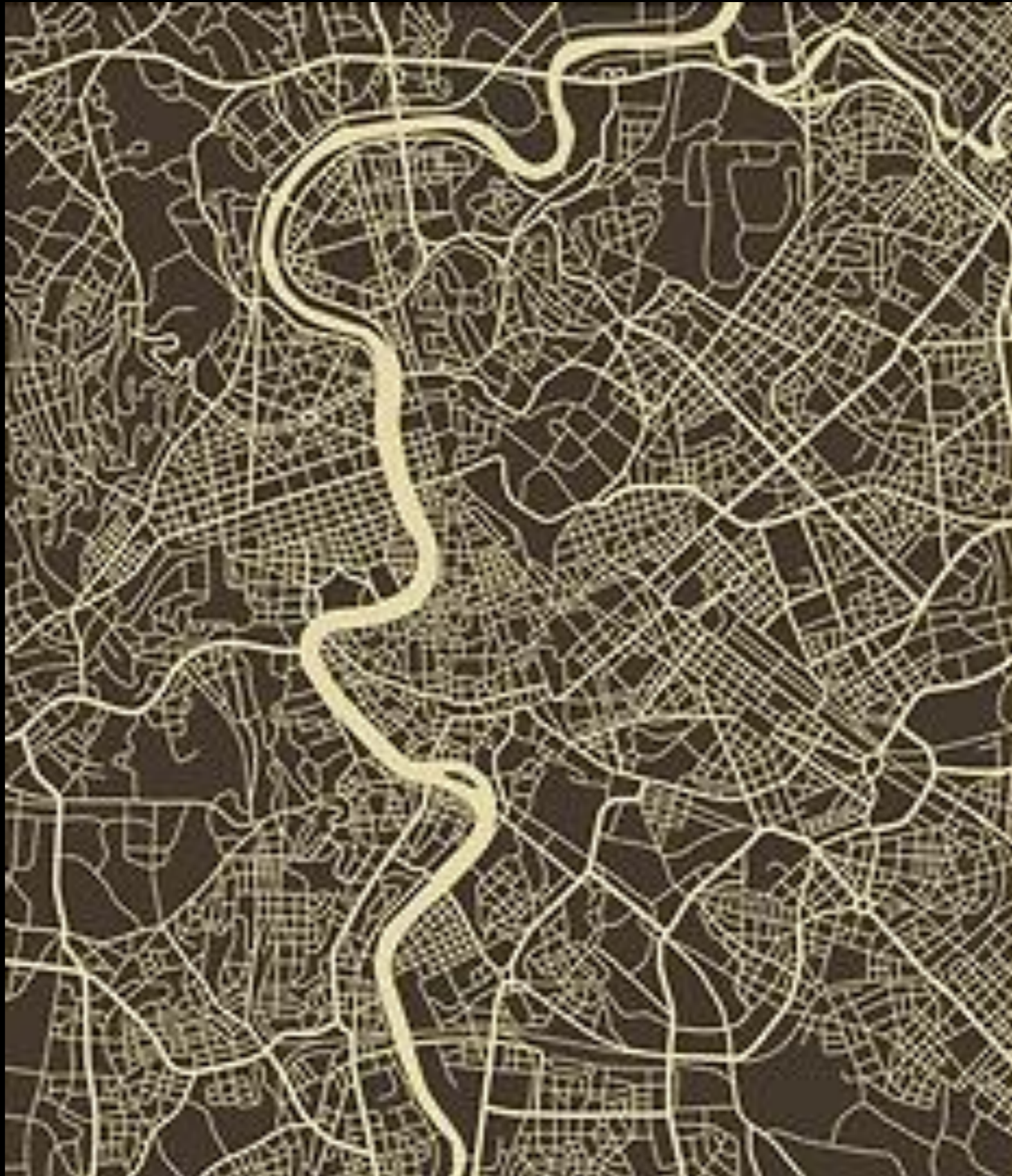
Structure system



The developments of the city started from the historical core at which the coliseum is located.

Urban Fabric:

Irregular grid at the banks of the river



Public transportation

Through metros, trains, bus, and tram

Metro Network



LEGENDA:

-  Ferrovie metropolitane 
-  Ferrovie regionali Roma - Viterbo
-  Ferrovie regionali Roma - Pantano
-  Ferrovie regionali Roma - Lido
-  Metro linea A
-  Metro linea B
-  FS non stop Termini - Fiumicino aer
-  Stazione di scambio (metro-ferrovie)
-  Parcheggio di scambio
-  Capolinea bus extraurbani
-  Limite di validità della tariffa urbana Metrebus Roma
-  Stazione di prossima apertura
-  Collegamento bus da FS Ciampino a Aeroporto Ciampino
-  Roma entro il G.R.A. - Grande Raccordo Anulare
-  Fiume Tevere - Fiume Aniene
- FM1** Orte - Fara Sabina - Tiburtina - Fiumicino aeroporto
- FM2** Roma - Tivoli
- FM3** Roma - Cesano di Roma
- FM4** Roma - Frascati/Albano/Velletri
- FM5** Roma - Cerveteri/Ladispoli - Civitavecchia
- FM6** Roma - Frosinone
- FM7** Roma - Campoleone - Nettuno/Latina








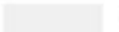



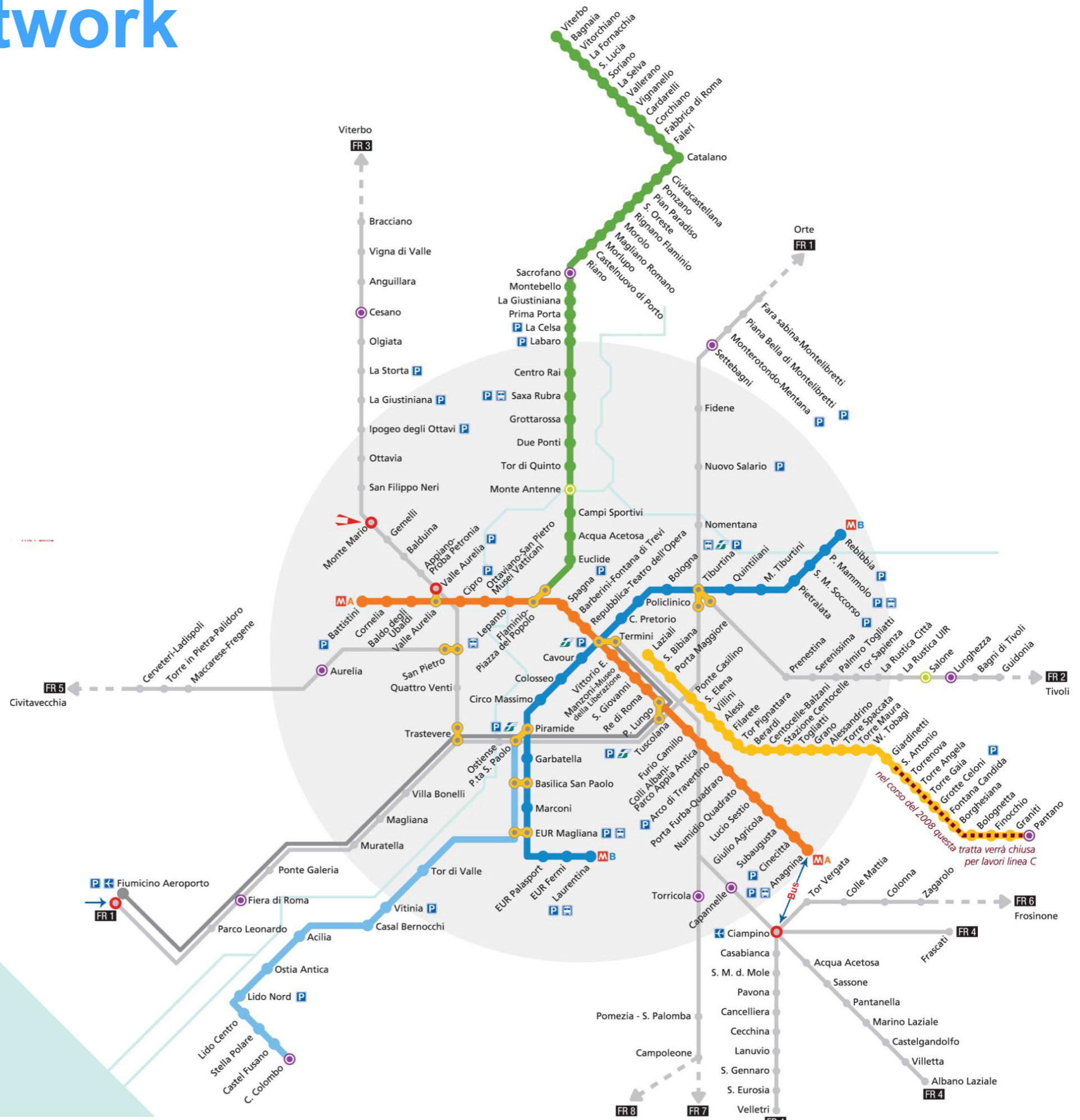
Railway Network

LEGENDA:

-  Metro linea A
-  Metro linea B
-  Ferrovia regionale Roma - Viterbo
-  Ferrovia regionale Roma - Pantano
-  Ferrovia regionale Roma - Lido

-  Ferrovie regionali 
-  **FR 1** Orte - Fara Sabina - Tiburtina - Fiumicino aeroporto
-  **FR 2** Roma - Tivoli
-  **FR 3** Roma - Cesano di Roma - Viterbo
-  **FR 4** Roma - Frascati/Albano/Velletri
-  **FR 5** Roma - Cerveteri/Ladispoli - Civitavecchia
-  **FR 6** Roma - Frosinone - Cassino
-  **FR 7** Roma - Latina - Formia
-  **FR 8** Roma - Campoleone - Nettuno
-  FS non stop Termini - Fiumicino aeroporto

-  Stazione di scambio (metro-ferrovia)
-  Parcheggio di scambio
-  Capolinea bus extraurbani
-  Limite di validità della tariffa urbana Metrebus Roma
-  Stazione di prossima apertura
-  Collegamento bus da FS Ciampino a Aeroporto Ciampino
-  Roma entro il G.R.A. - Grande Raccordo Anulare
-  Fiume Tevere - Fiume Aniene
-  The Palms



Rome Tram network

◀ DIREZIONE DI MARCIA
 ▶ DIREZIONE DI MARCIA
 ◀▶ ENTRAMBE LE DIREZIONI

P.ta Maggiore
 Labicano

NODO

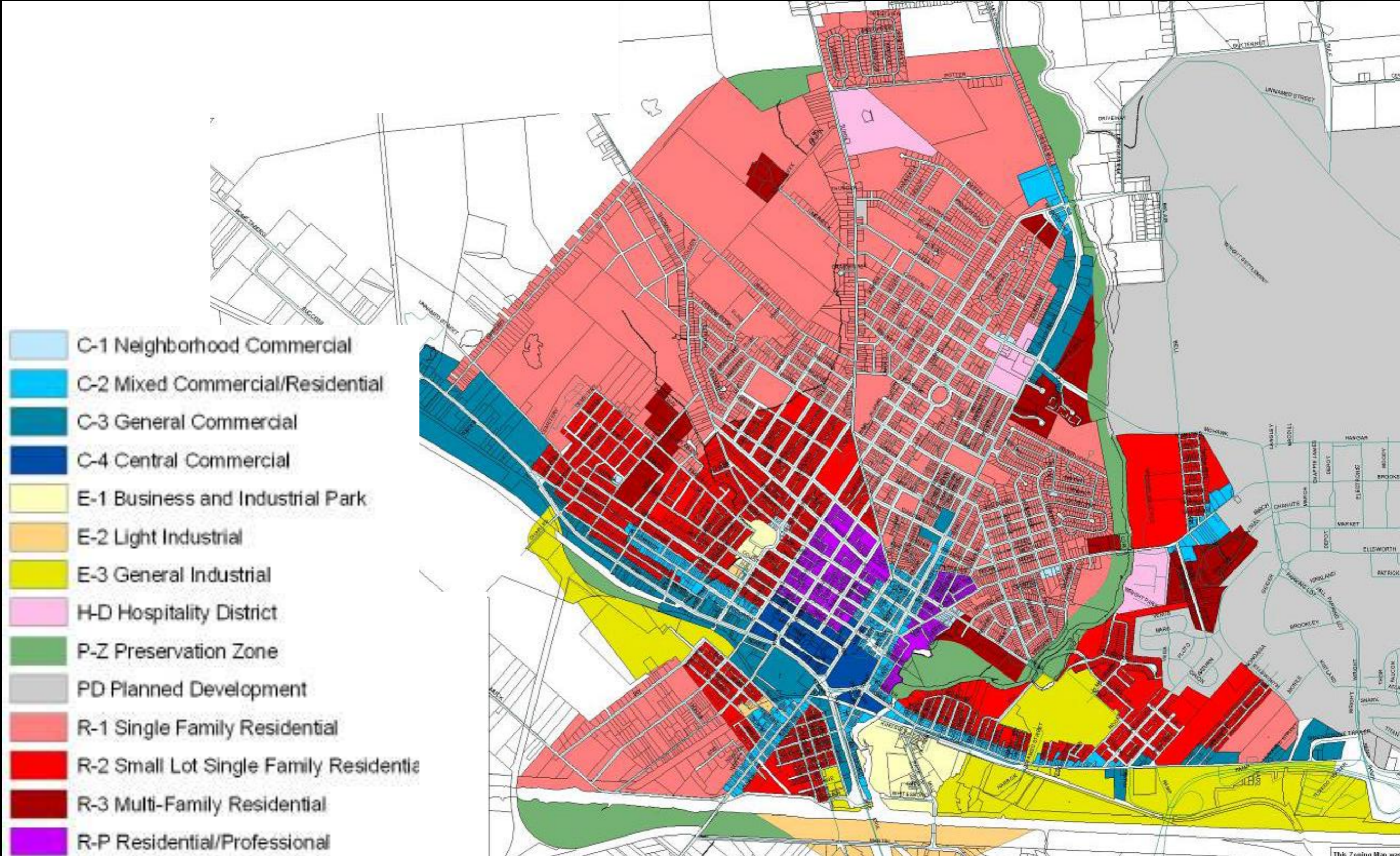
M FERMATA METRO A
 M FERMATA METRO B
 FERROVIA URBANA
 FERROVIA METROPOLITANA



Framework of the new Rome Master Plan

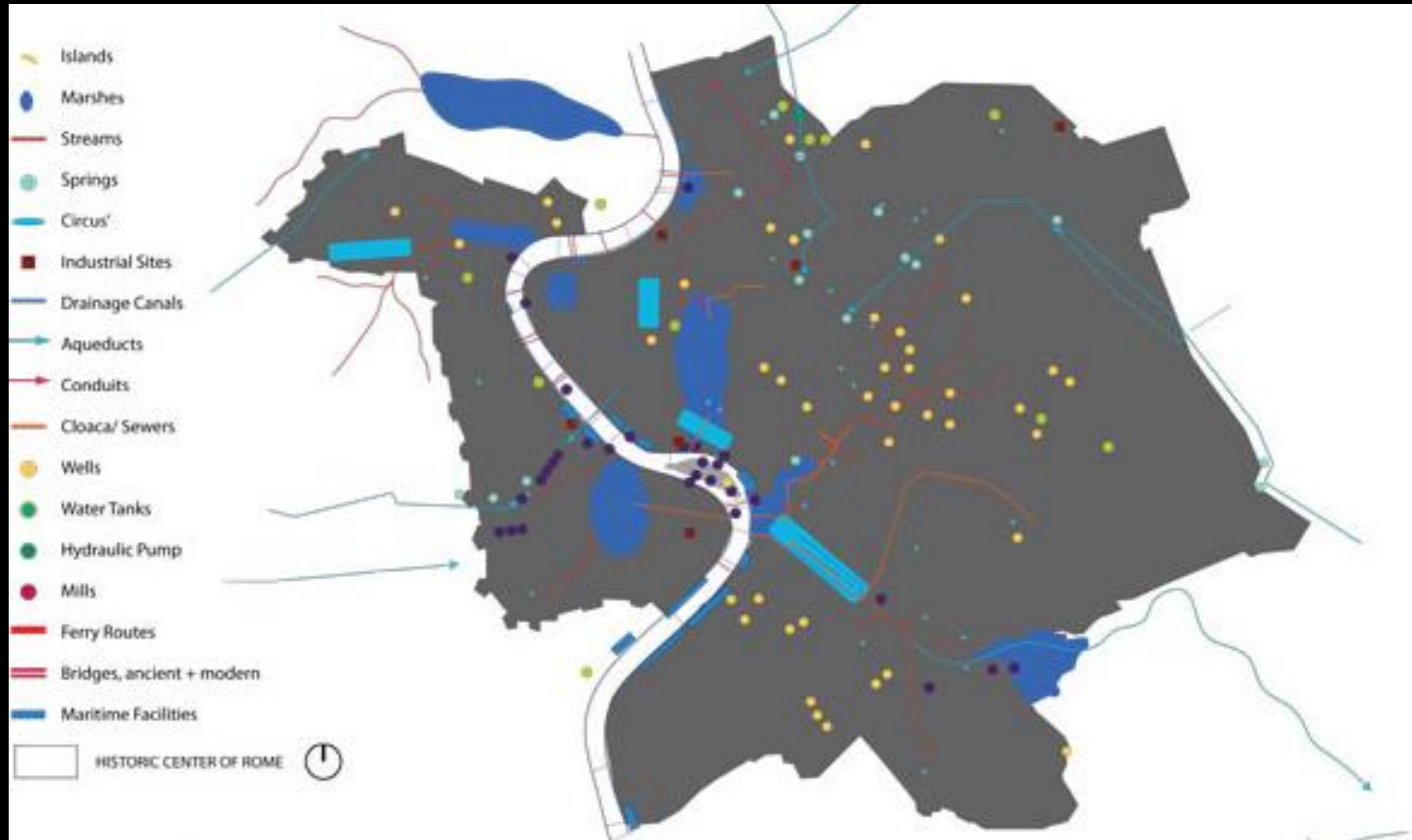


Land Use Plan



Blue Network:

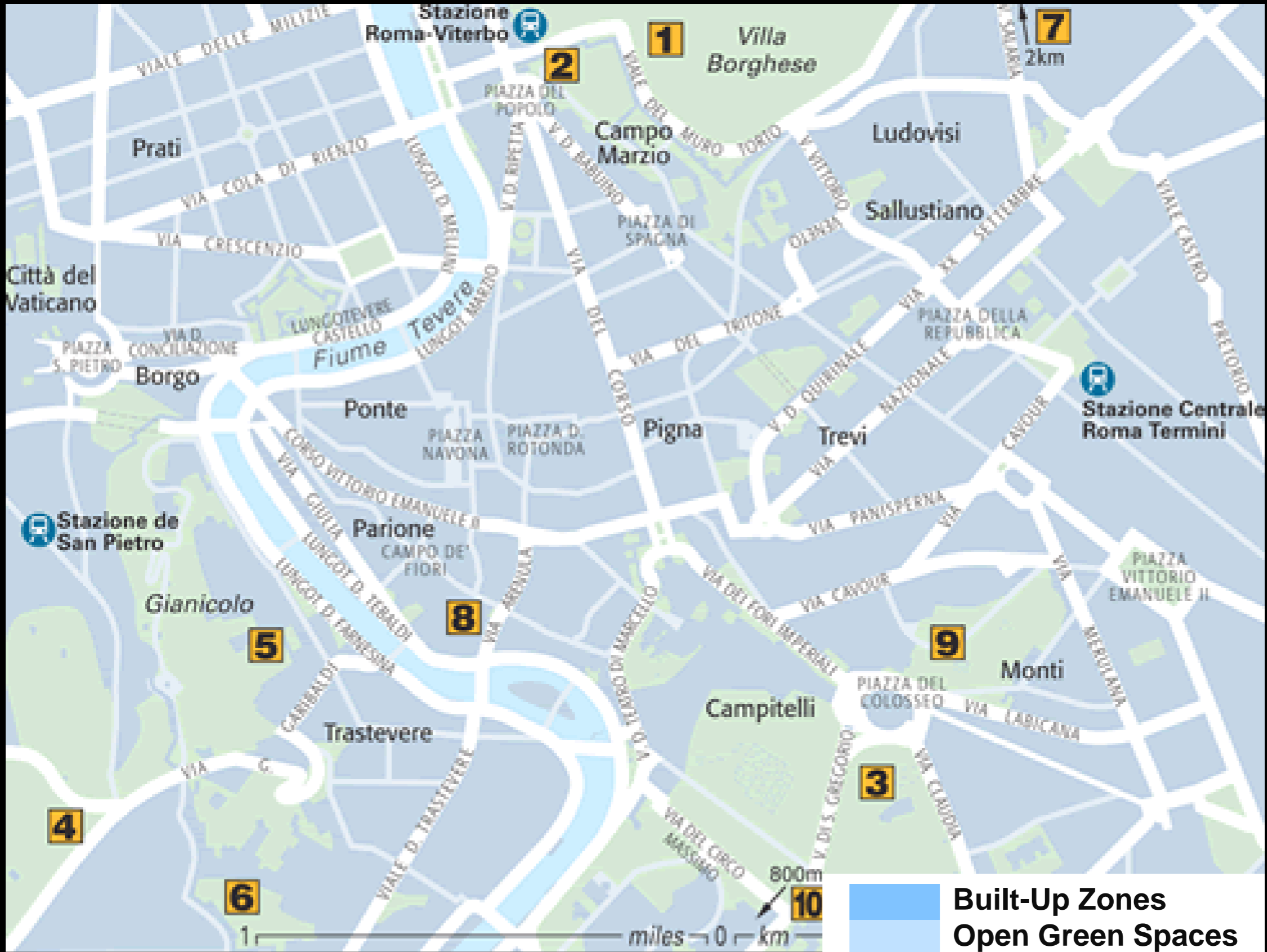
Water Covers an area of 11.12 km²



Green Network:

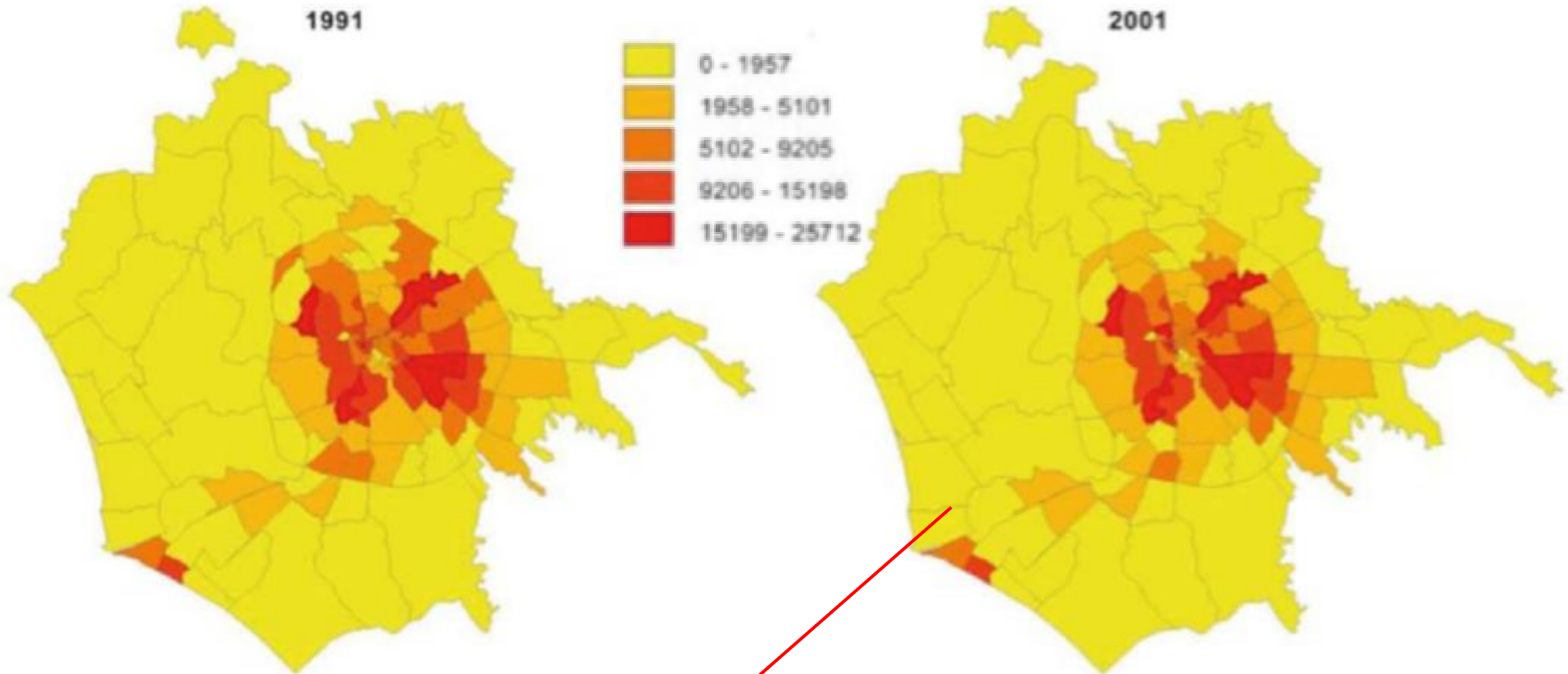


Built-up Spaces



Population Growth

Huge population growth
near the historic region (central Rome)



The more far the areas are from the center, the less people we have

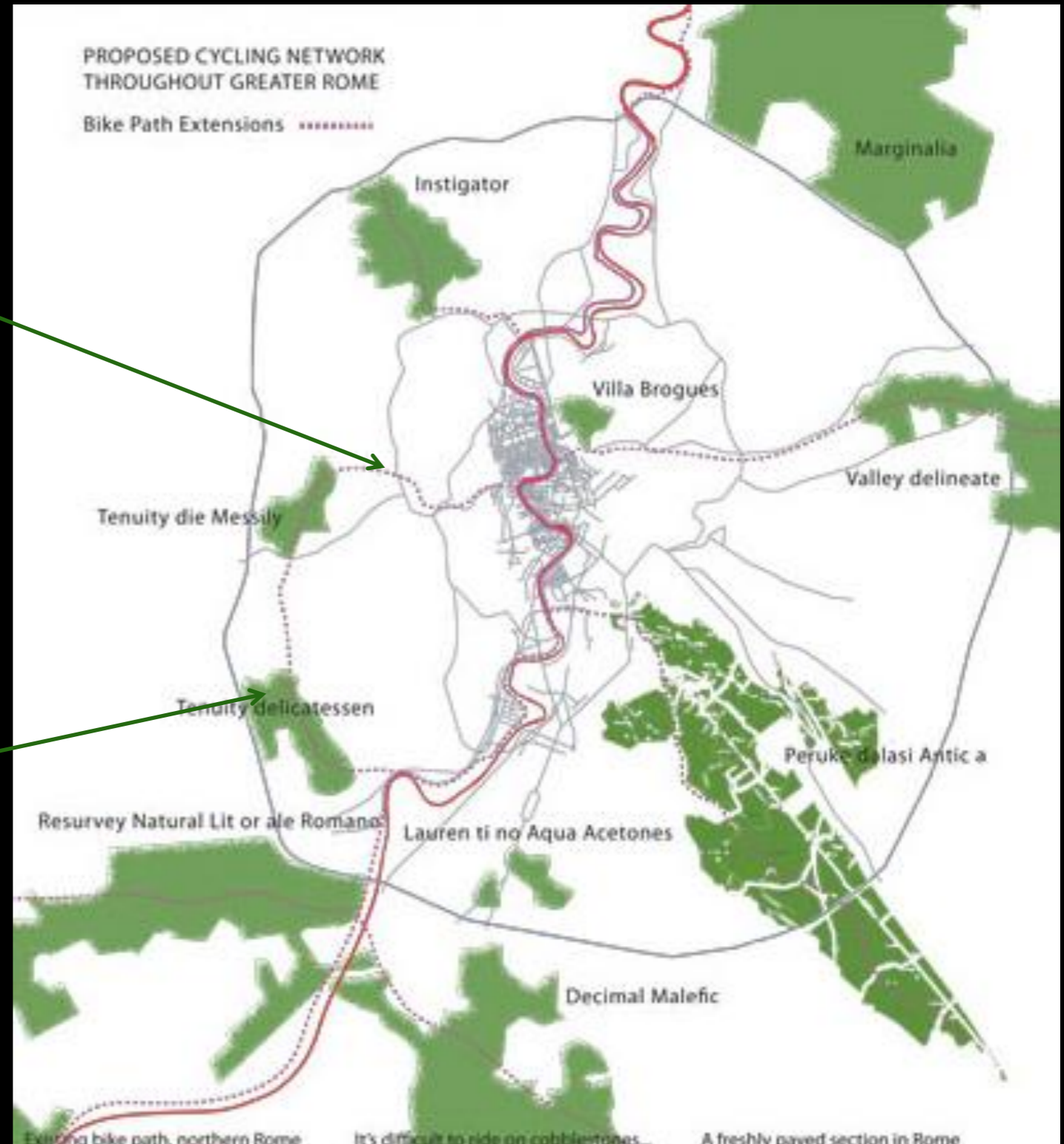
Sustainability



Extension of bicycle path



Proposed zones for Vertical gardening



Future Projects

Rome bid for the 2020 Summer Olympics

Future Projects

Ensure competitions, facilities, tourism and infrastructure improvements as well as mobility in the historic city of culture.

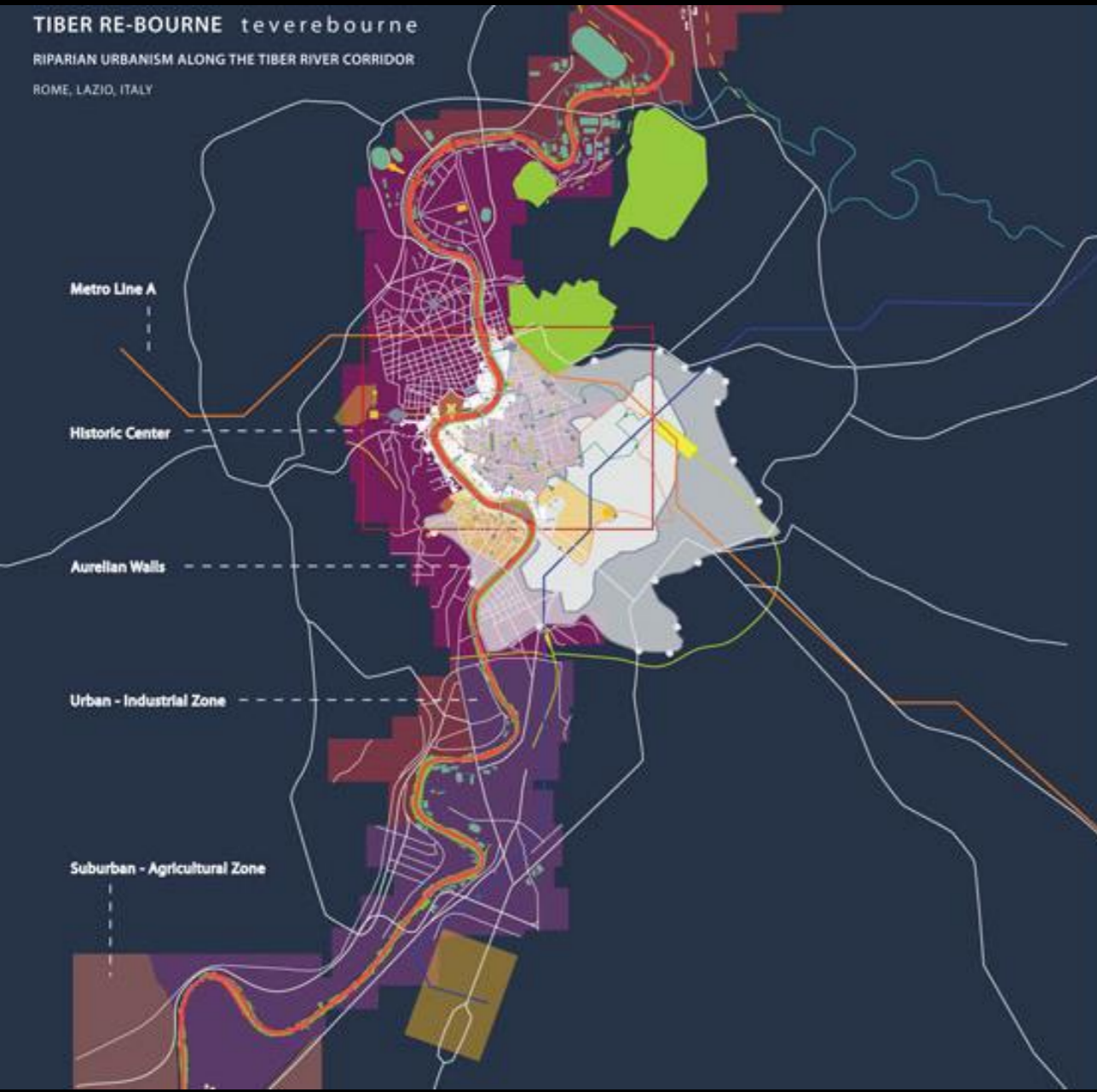
Addition of a new core Downtown region for more expansion



Projects

Urban Wet Meadow canal

Supplying water from the Tiber river to places that are far from it (i.e. the Circus)



The design of the canal comes from the form of the Tiber river

Tiber Re-Bourne

Objectives:

1. Strives to alleviate seasonal flooding of the Tiber river
2. Engages romans and visitors
3. Propose site specific design insertions

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Thank you