

# Strategic policies and planning for Bologna metropolitan area



Marseille [FR] // 18.19 november 2009



**01**

**Description of Bologna metropolitan area**

**02**

**PTCP\_ strategic policies of territorial plan**

**03**

**Case study for MED\_Funo**

# **DESCRIPTION OF BOLOGNA METROPOLITAN AREA**



Milano

Venezia

Torino

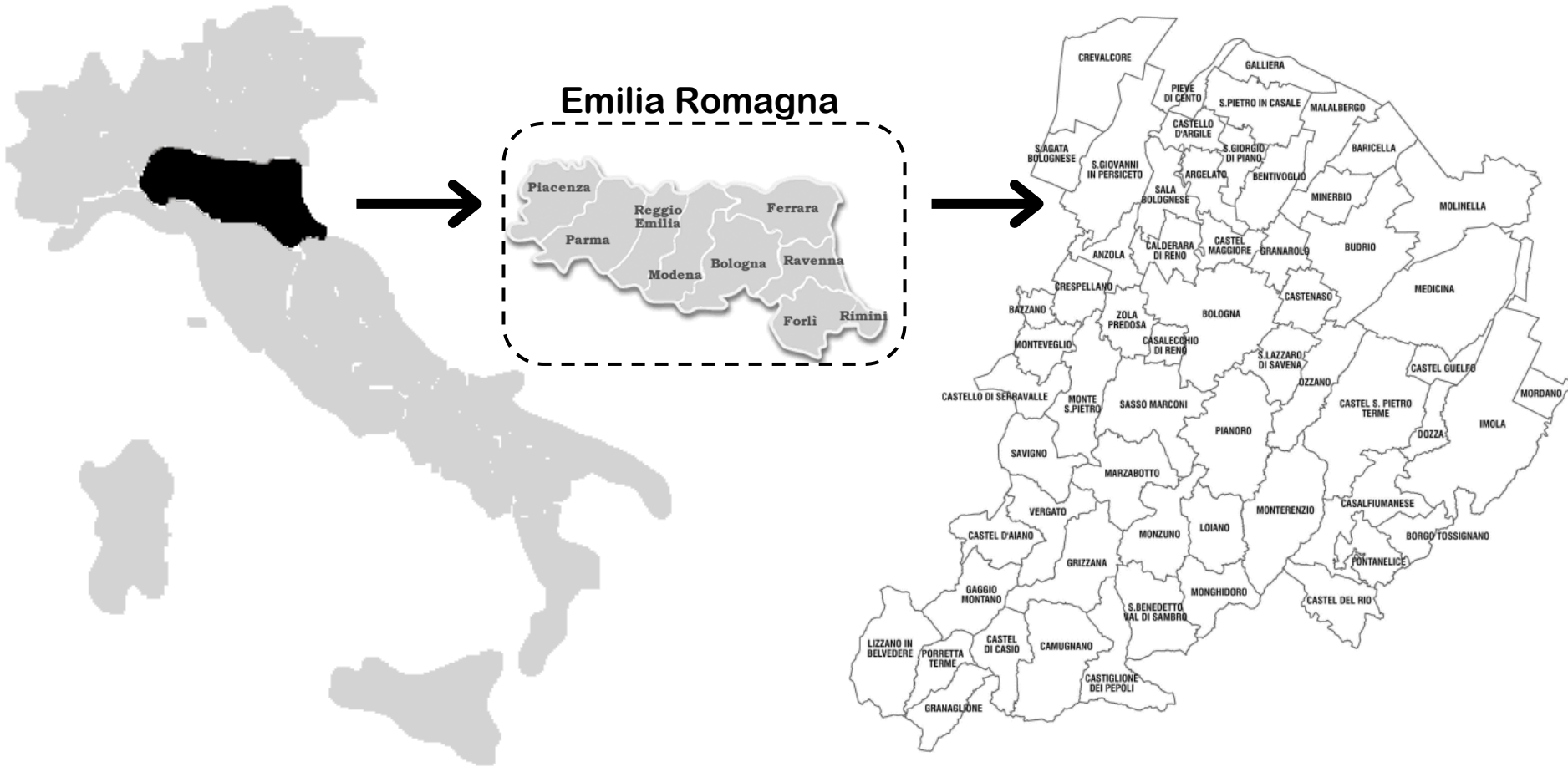
Genova

Bologna

Firenze

Ancona

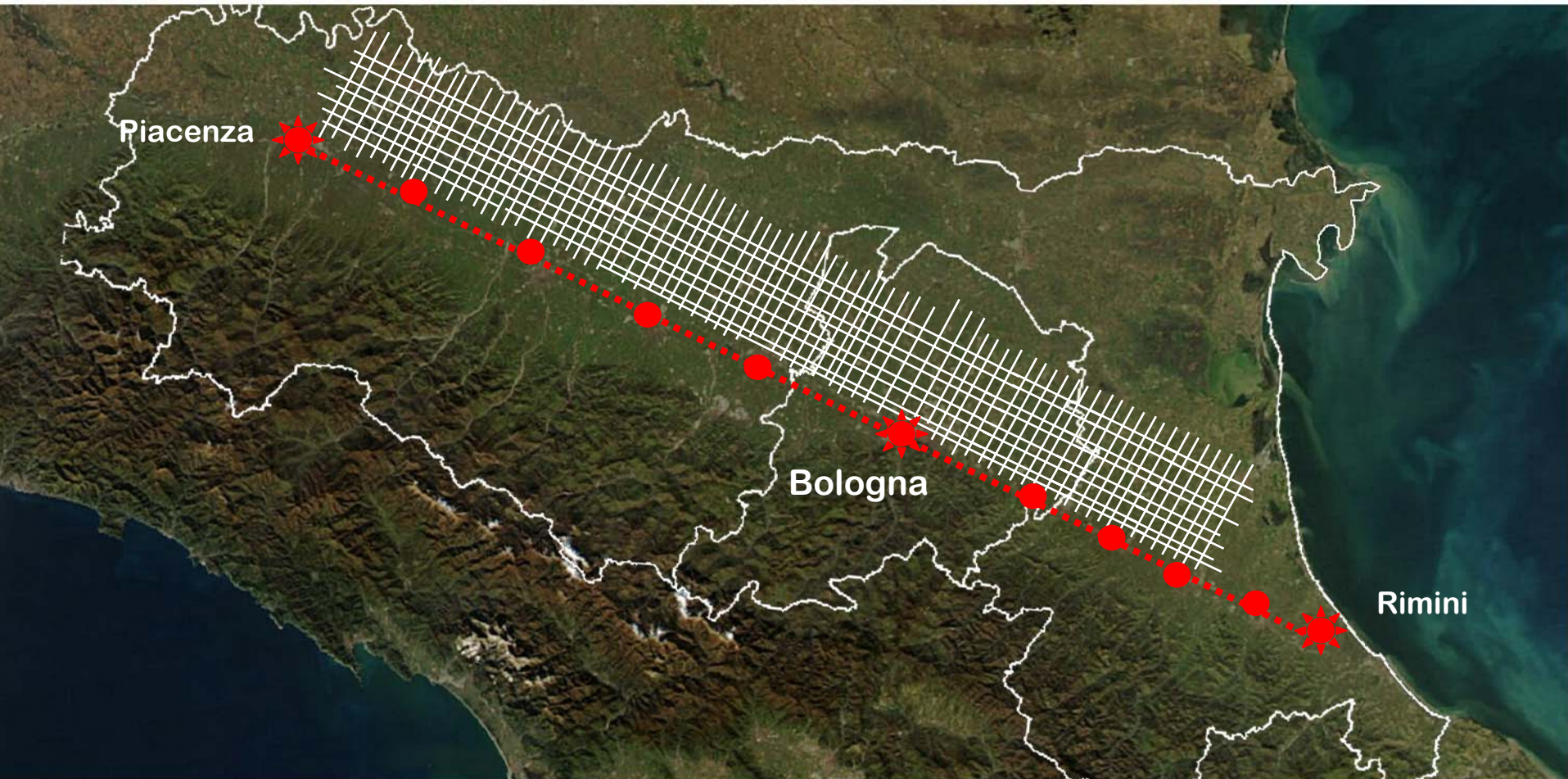
# Provincia di Bologna is composed by 60 municipalities



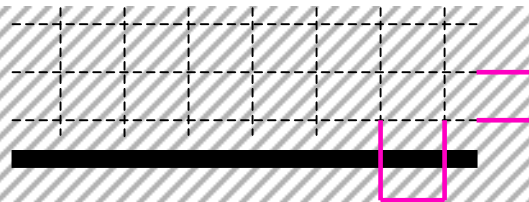
**FROM NATIONAL TO LOCAL LEVEL**



# Via Emilia 187 b.c.



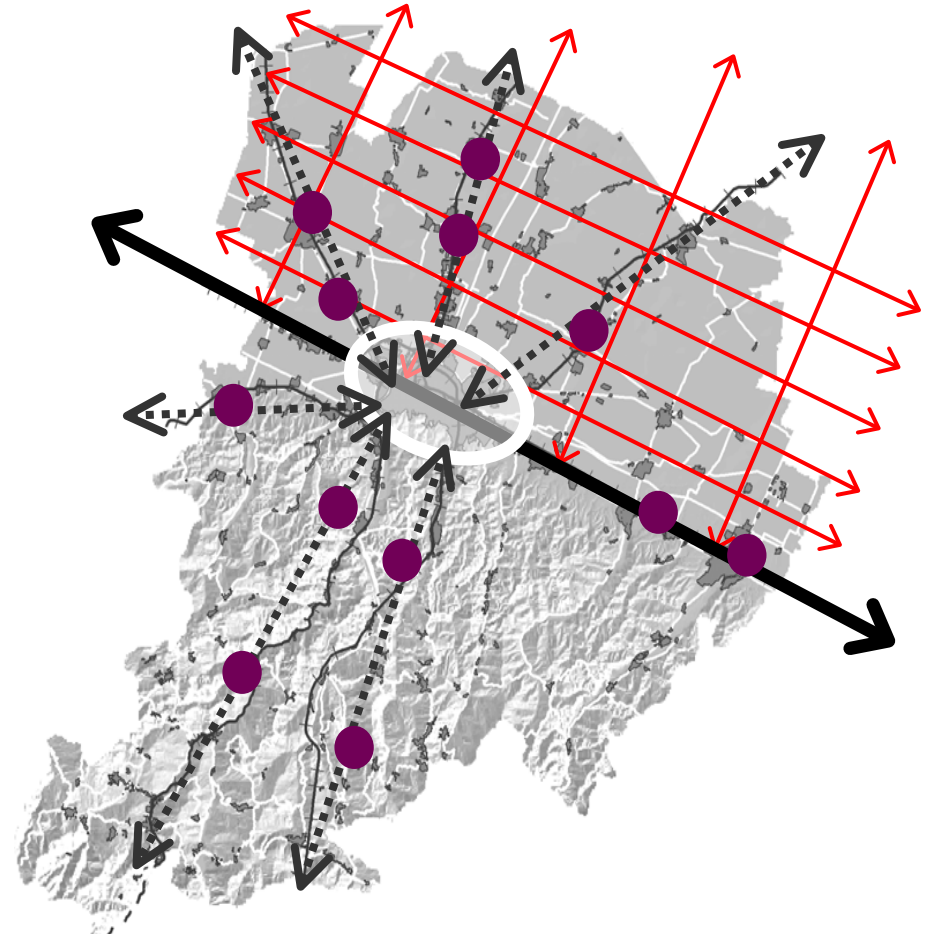
Via Emilia



**ORTOGONAL GRID**

**700m X 700m**

# Polycentrism\_ortogonal and radial organization



↔ Via Emilia    ↔·····↔ main road directions    ● Urban facility pole    ○ City of Bologna



**Bologna's urban texture**



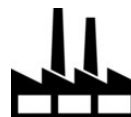
# Spatial data



population



urbanized area



companies



employees

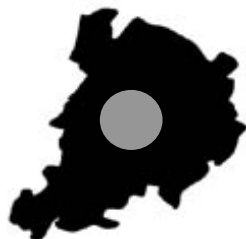


976.175

211 Km

79.000

350.000



374.944 [43%]

58 Km [27%]

34.000 [43%]

137.000 [40%]



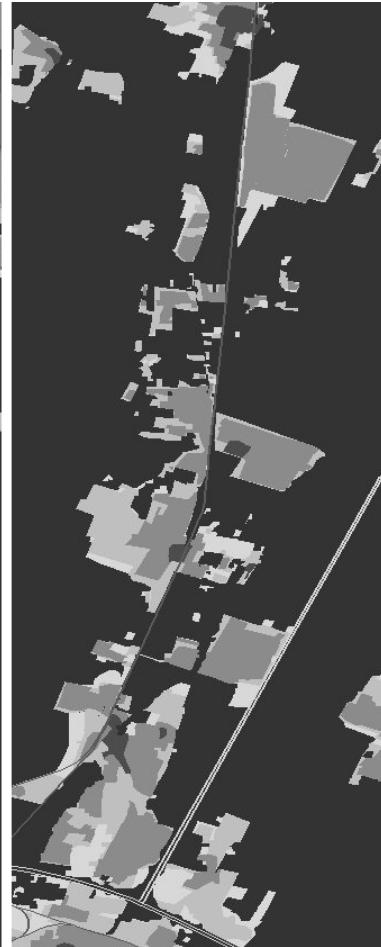
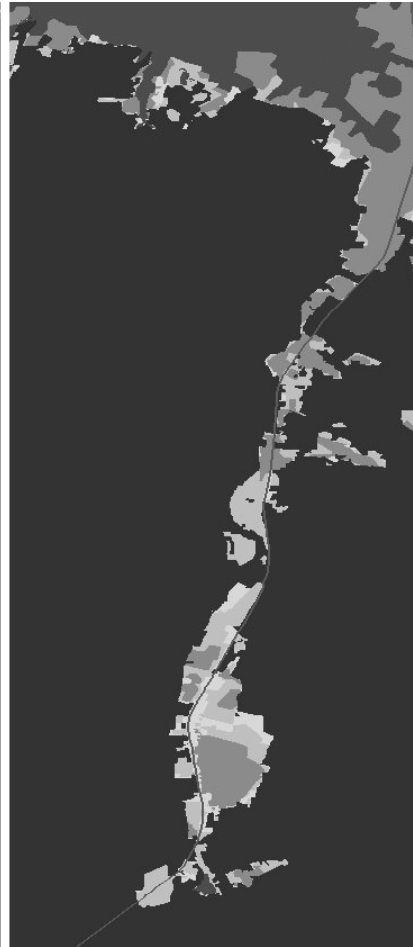
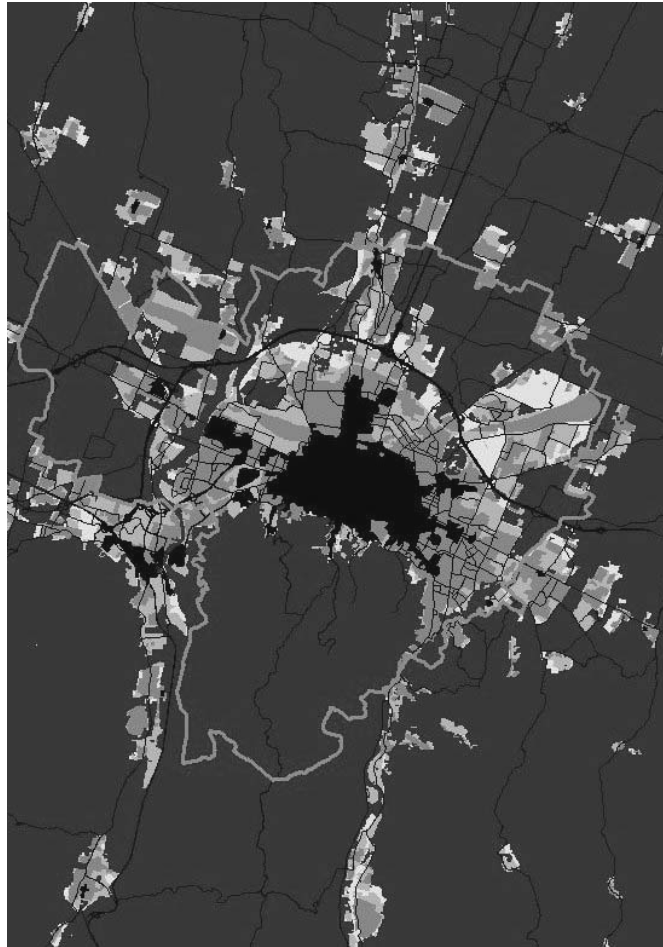
758.402 [77%]

164 Km [78%]

67.000 [85%]

301.500 [86%]

# Spatial data



**24** Km<sup>2</sup>  
1955

**104** Km<sup>2</sup>  
1980

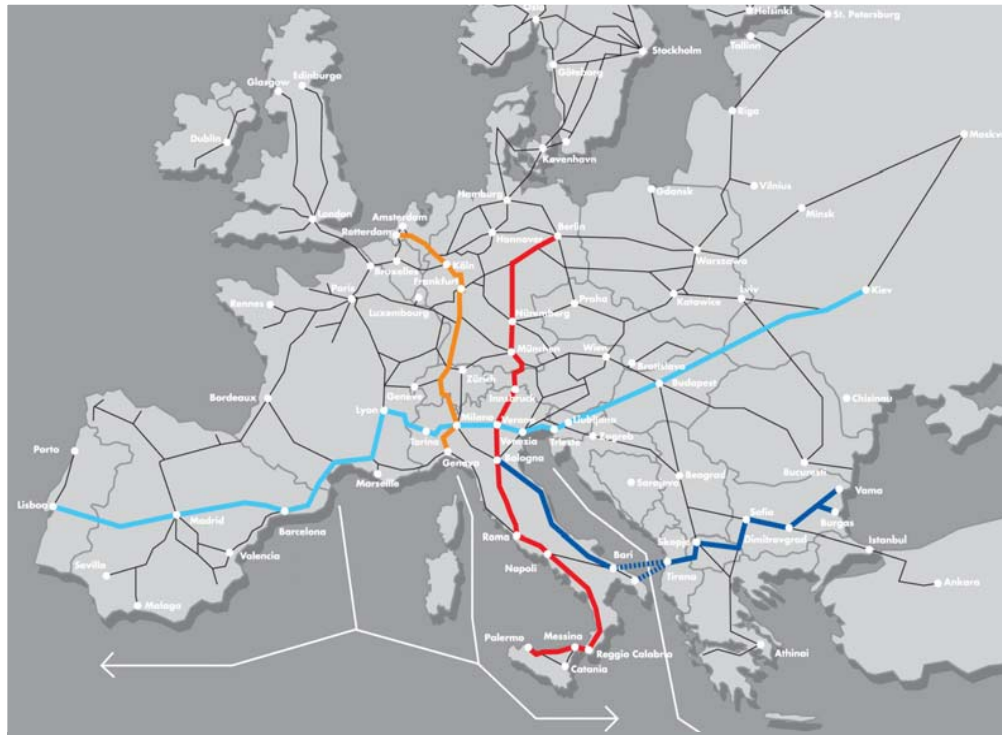
**177** Km<sup>2</sup>  
1993

**211** Km<sup>2</sup>  
2000








**Prov. 3700 km<sup>2</sup>**

# Bologna in European transport & mobility network



CORRIDOI TRANSEUROPEI

	Lisbona-Kiev (Corridoio V)
	Bari-Varna (Corridoio VIII)
	Rotterdam-Genova (Corridoio dei due mari)
	Berlino-Palermo (Corridoio I)
	Autostrade del Mare Sud Europa



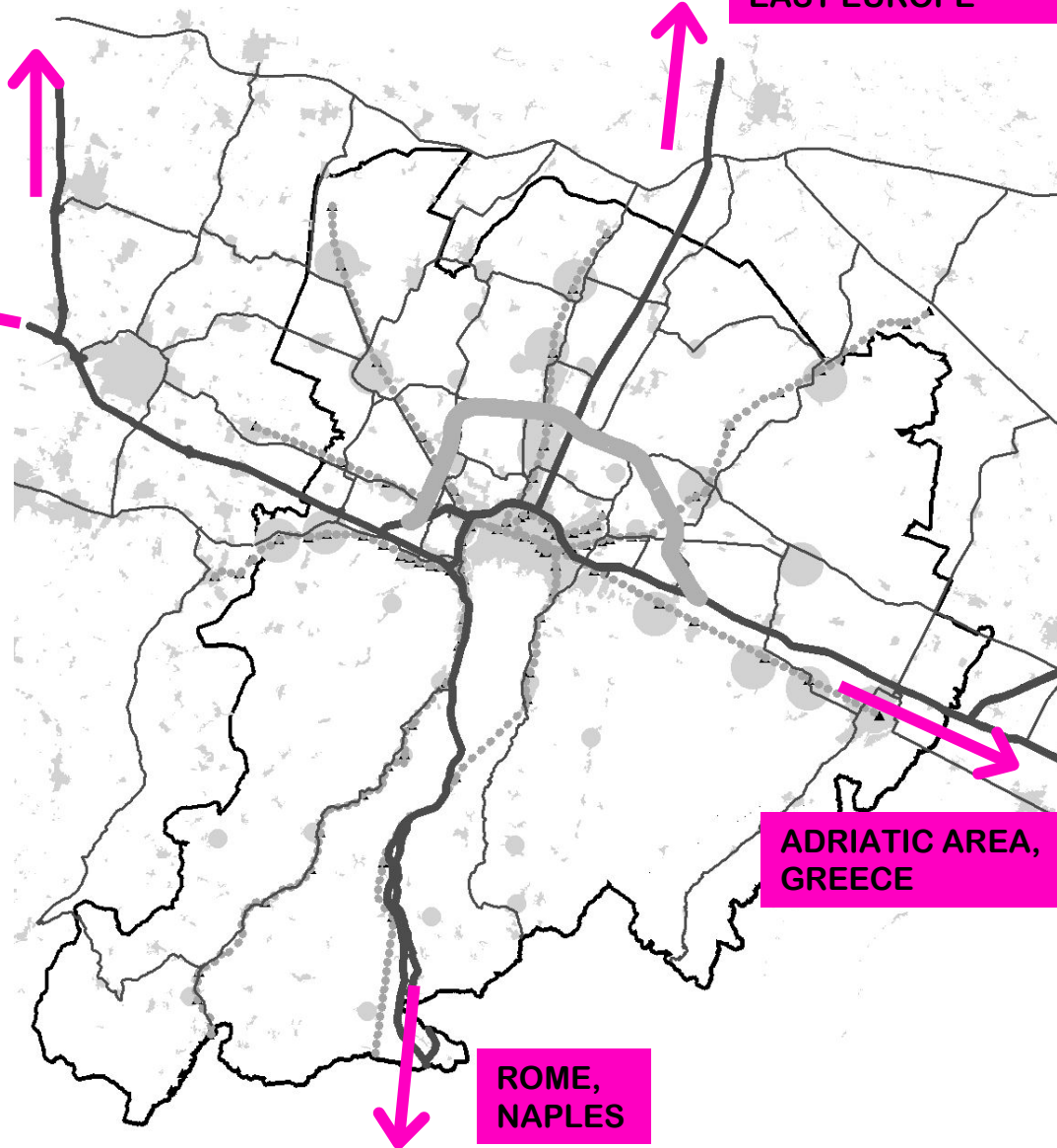
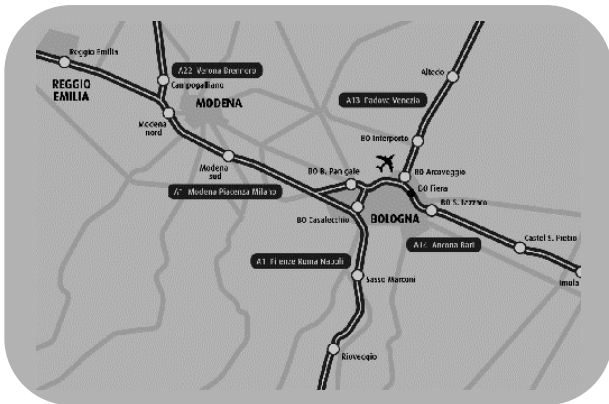
# Main roads network

VERONA, AUSTRIA,  
GERMANY

MILAN,  
SWITZERLAND,  
FRANCE

VENICE, AUSTRIA  
EAST EUROPE

Bologna is crossed  
by 16% of european  
transport of goods  
and 40% of italian

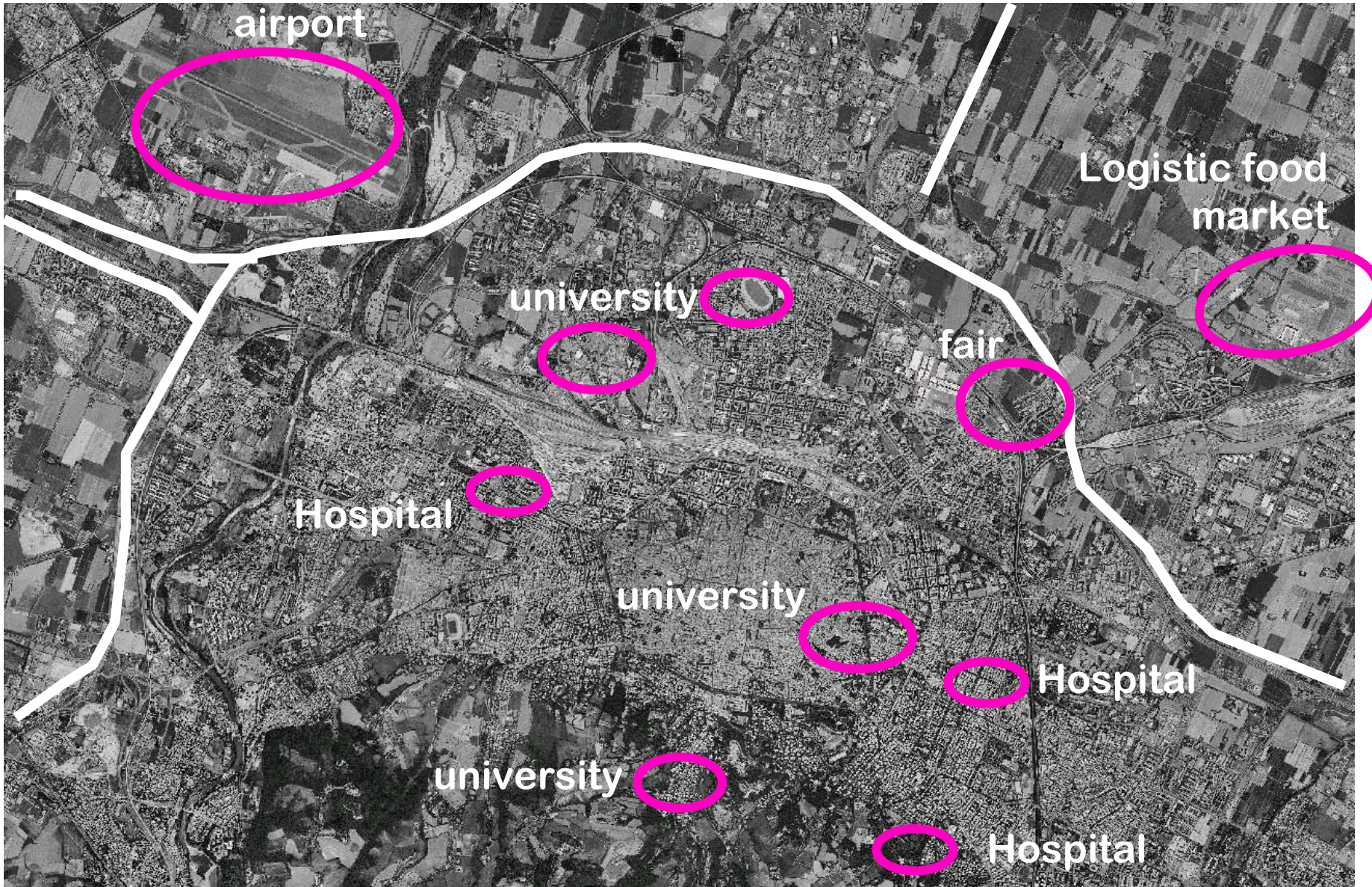


ADRIATIC AREA,  
GREECE

ROME,  
NAPLES

# Excellence & competitiveness

27 MAJOR METROPOLITAN  
FUNCTIONS (50% in central  
metropolitan area)



# FAIR DISTRICT\_ Second fair in Italy / Fifth in Europe

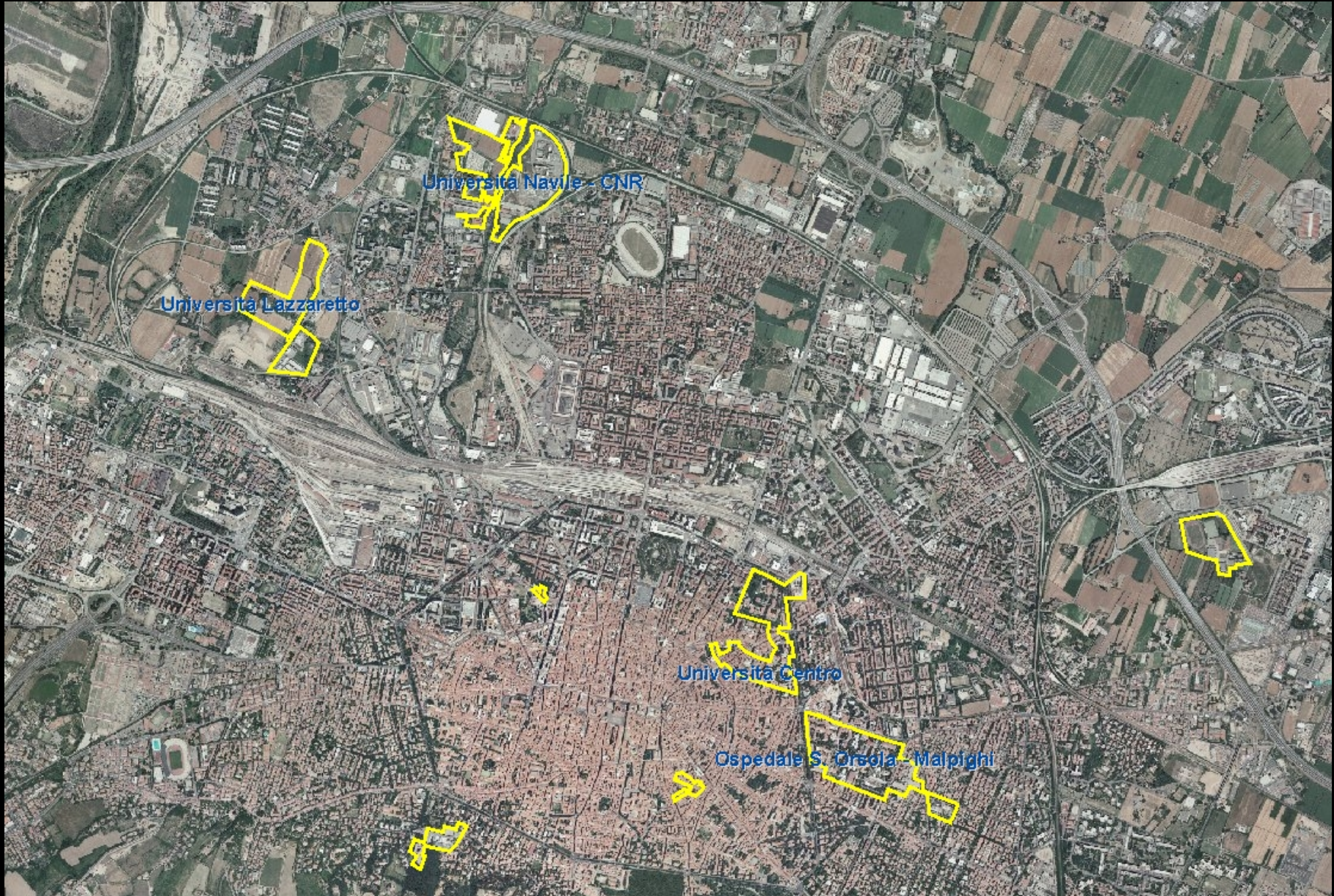


# S. ORSOLA\_ one of the main hospital in Italy



# UNIVERSITY OF BOLOGNA\_

founded on 1089, 100.000 students





# CAAB\_ food market logistic centre



# AIRPORT G. MARCONI

4.500.000 passengers in 2008

10.000.000 passengers in 2020



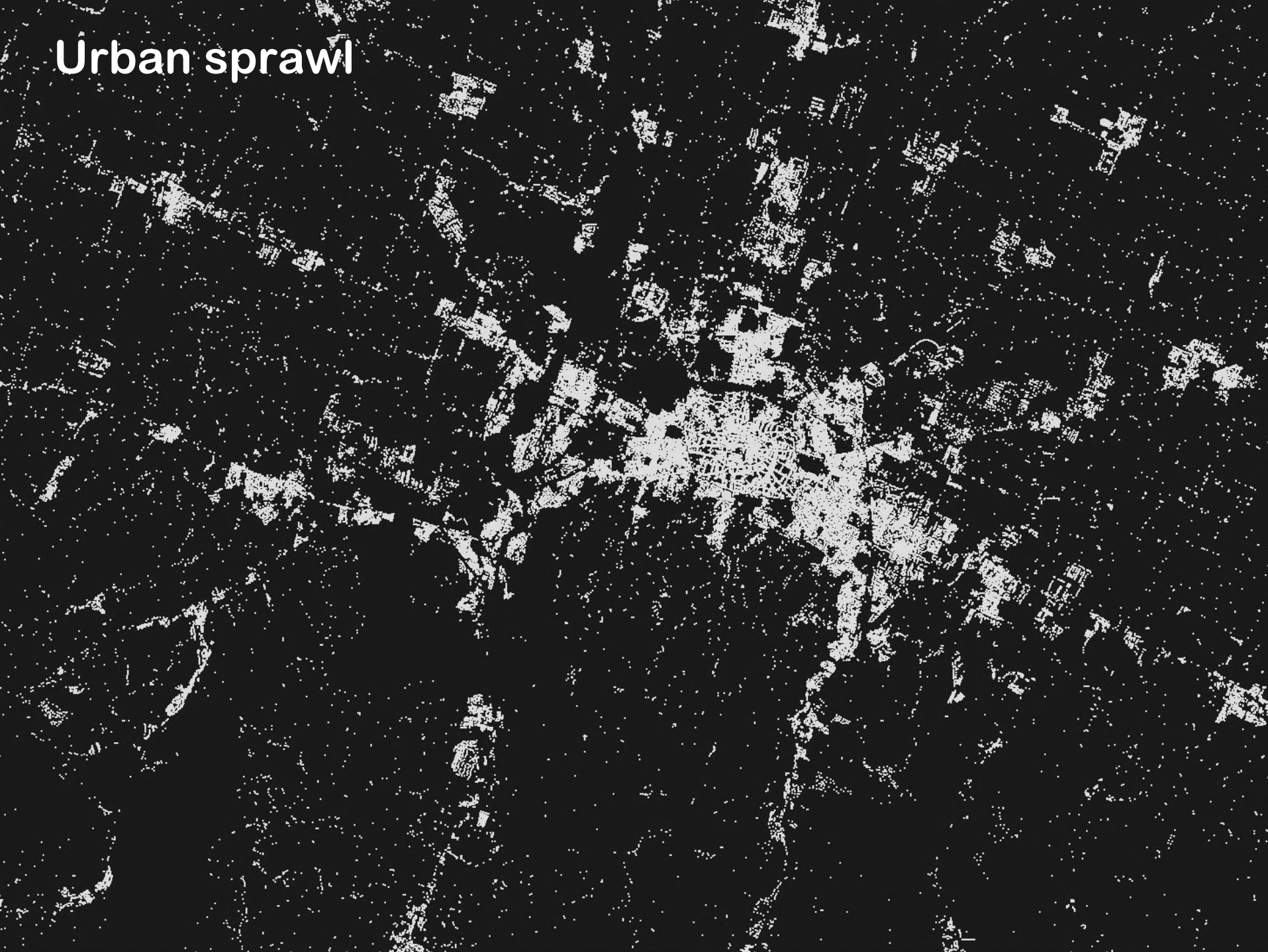
# INTERPORTO OF BOLOGNA



# CIRCUIT OF IMOLA



# Urban sprawl



**[PTCP]**

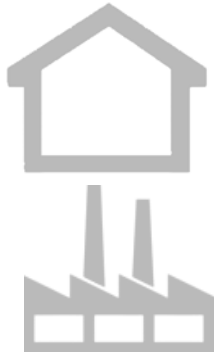
**STRATEGIC POLICIES OF  
TERRITORIAL PLAN**

# 3 strategies for the territory of Bologna



**PUBLIC TRANSPORT**

**New metropolitan  
mobility system**



**POLYCENTRISM &  
SELECTION**

**New metropolitan  
settlement for  
residential and  
industry development**

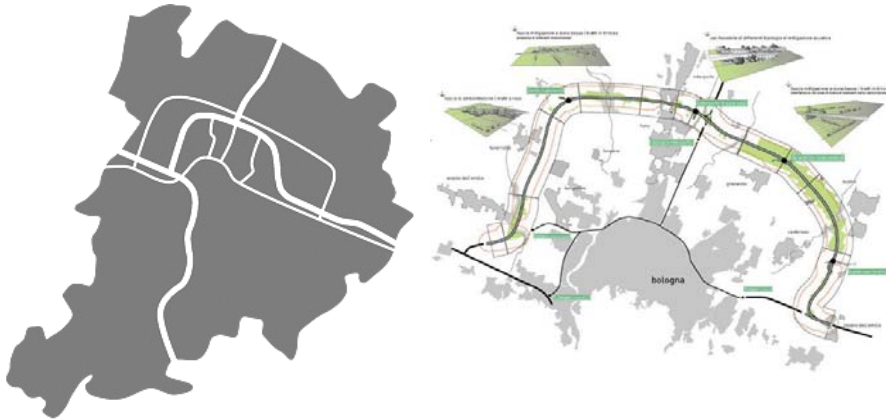


**TERRITORIAL COHESION**

**New instruments  
for cohesion and  
effectiveness**

# Private transport & metropolitan rail service (SFM)

## motorway network



The project for the new stretch of motorway will run for about 40 Km along a semi-circular corridor in the northern plain

The current stretch of motorway will be down graded and used to reinforce the bypass serving the central urban area

## metropolitan railway service



8 railways

90 rail stations

(16 in Bologna city centre)

30' frequency

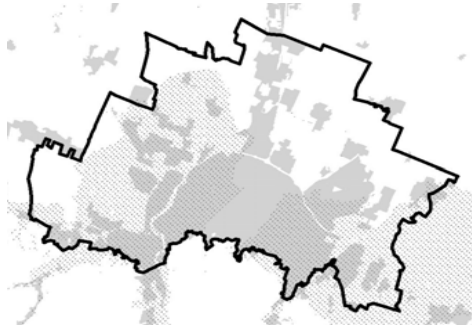
(every 15 minutes in the central area)

120.000 users in 2015

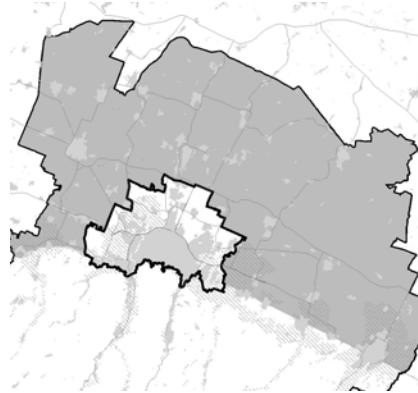


# Polycentrism & selection

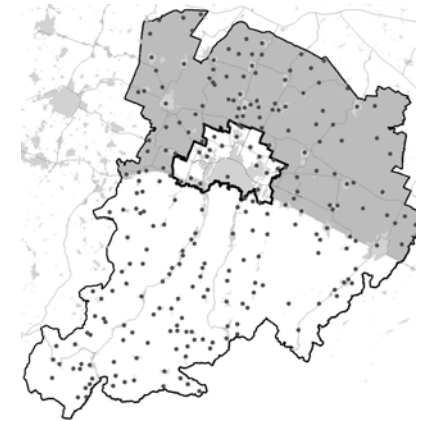
central area



plain and hill area



industrial area



Bologna is a main town that occupies a very small municipal territory (14.000 ha)

Congested urban area

Crown of industrial areas which blocks any outgoing from Bologna

From diffuse SPRAWL to development concentrated in 220 towns (big, medium and small)

190 industrial areas in Province whose influences are extended to more municipality (supra-municipal areas)

# Polycentricism & selection

central area



Urban renewal area (no urban growth)  
Protection area for hills, countryside, natural landscape  
Repeopling area by low price housing for new inhabitants and students

urban centers & public facilities



40 towns have all public facilities (schools, hospitals, shopping centres, public services...)  
15 towns have both rail station and all public facilities: these towns can support urban development policies.

supra-municipal production areas



190 industrial districts only 34 have the accessibility and environment condition for development  
only 14, settled out new motorway, have a strategic development potential

# Polycentrism & selection

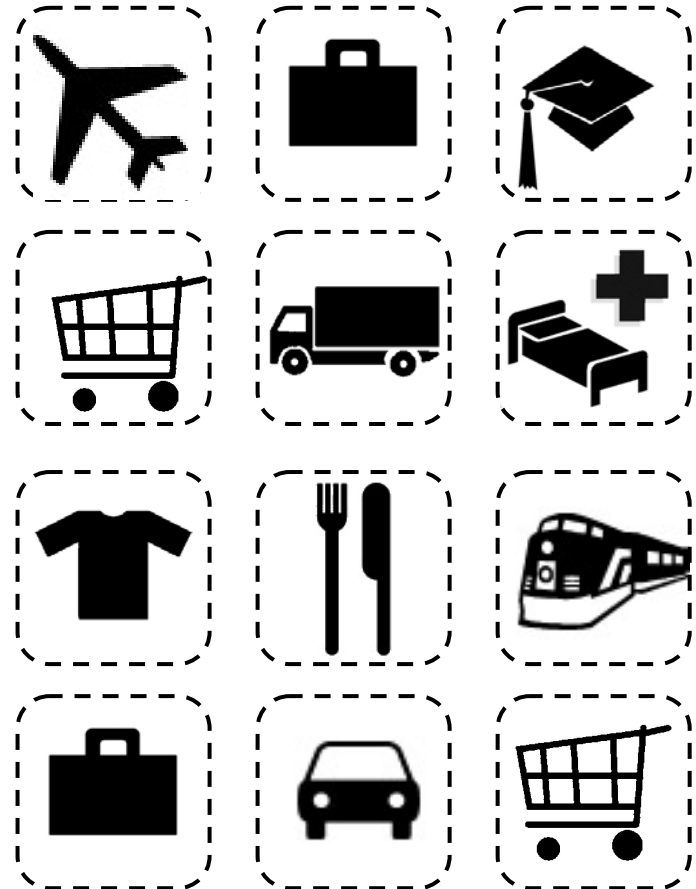
## outstanding facilities



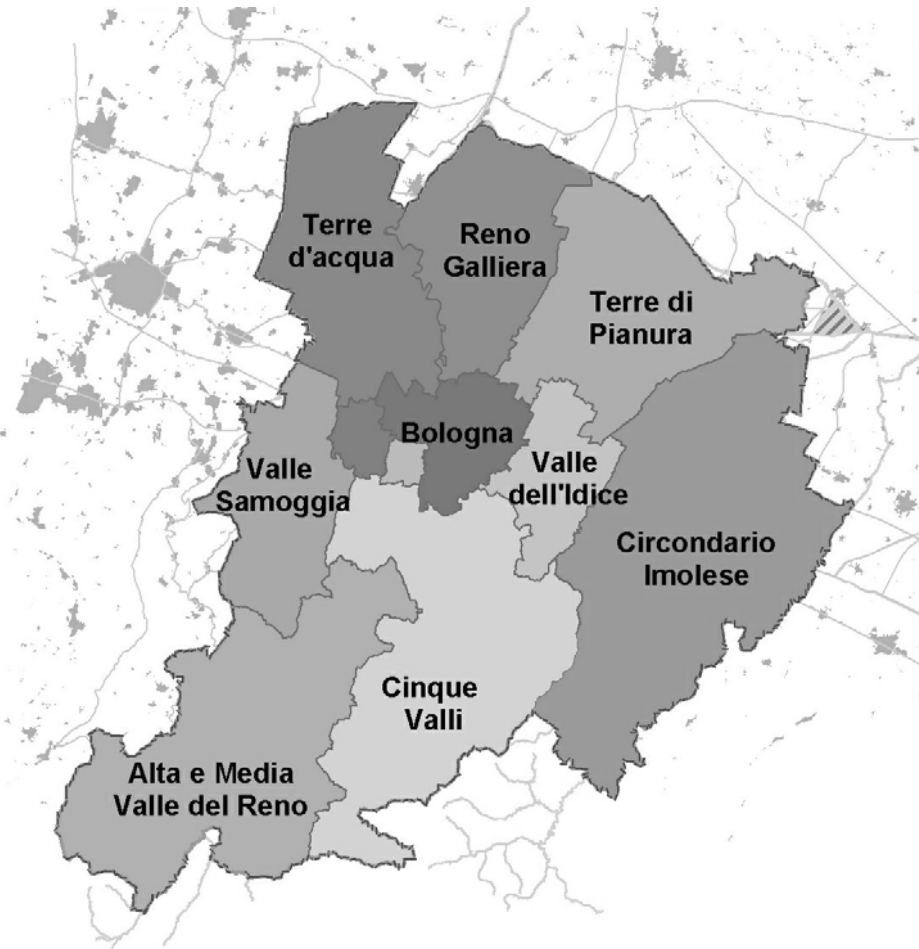
27 facility poles  
(trade fair district, airport, hospital system,  
university..)

50% facility poles located in central urban  
area

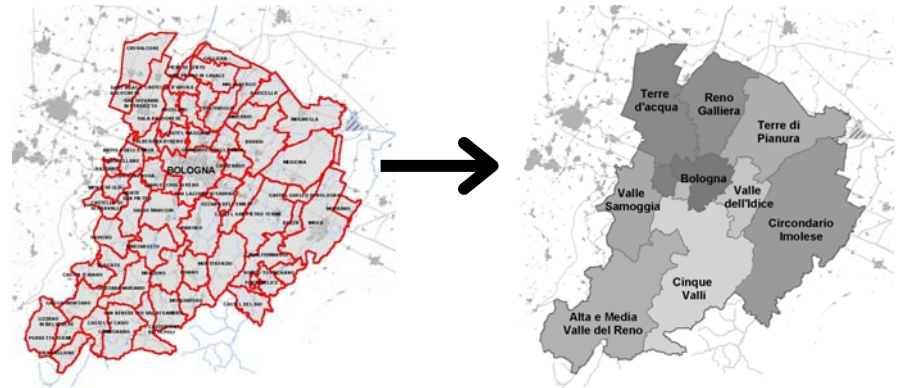
5 new optimal areas to accomodate high  
attraction specialised facilities



# Territorial cohesion



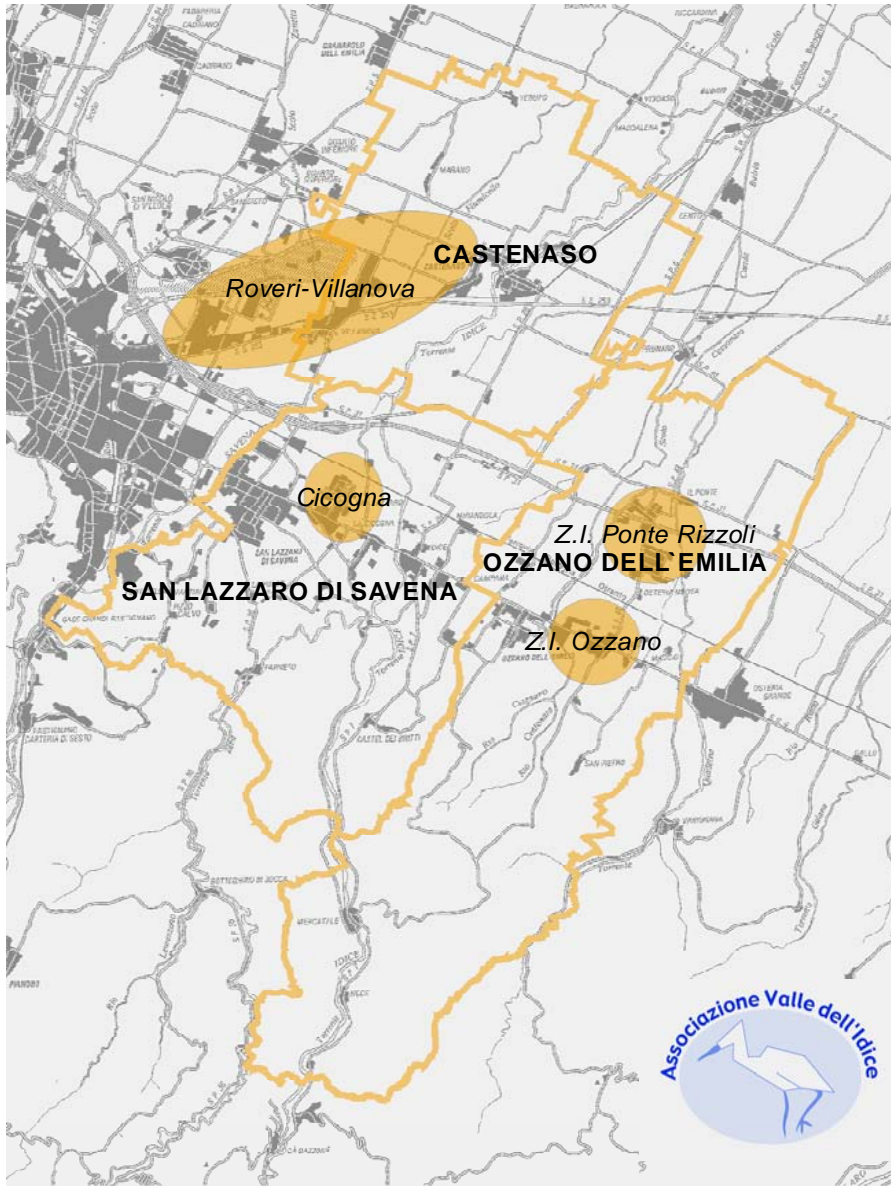
## Intemunicipal urban development plan



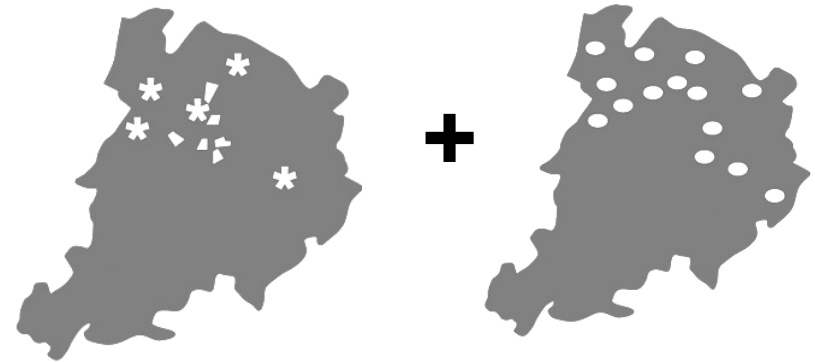
**From 60 municipalities to 8 municipal association**

**7 municipal associations have developed an intermunicipal urban development plan (PSC)**

# Territorial cohesion



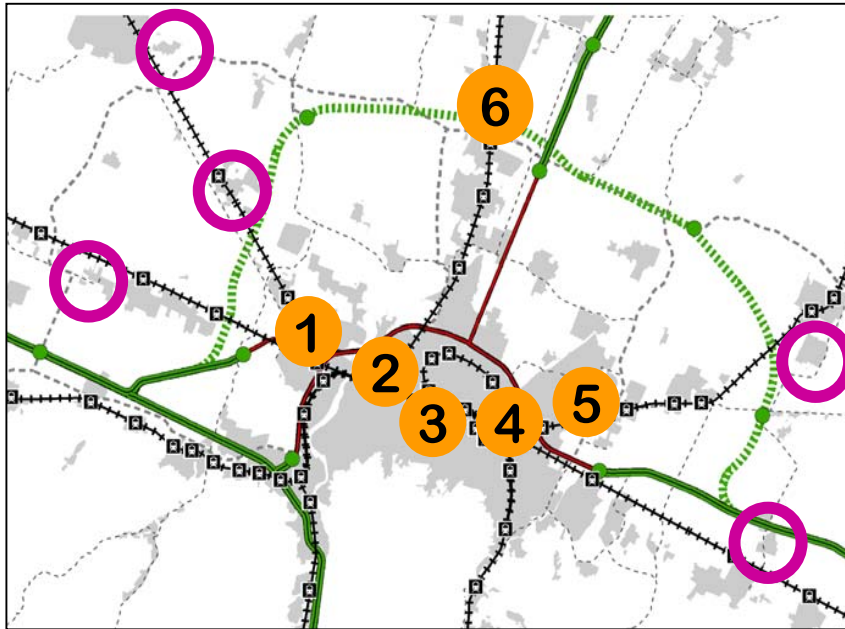
## Financial equalisation



Financial compensation fund on the basis of equalisation principles to share the distribution of resources deriving from urban planning and tax obligation equally among the municipality involved



# Territorial cohesion



Production development areas



New motorway "Passante Nord"



Metropolitan railway service



Motorway "Tangenziale"



Toolgates

## Territorial agreements



+



28 territorial agreements signed for supra-municipal production areas and facilities poles

## territorial agreements signed

- 1: Il nuovo Aeroporto
- 2: La nuova Università
- 3: Stazione Centrale
- 4: Ampliamento della Fiera
- 5: Ampliamento CAAB
- 6: Interporto Centergross

# Summary of strategic policies of PTCP



## **NEW METROPOLITAN SETTLEMENT**

central area: urban renewal

development with railstation and all public facilities

industry development in 11 districts

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## **NEW MOBILITY SYSTEM**

new motorway for decentralisation

metropolitan railway service

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## **NEW EFFECTIVENESS INSTRUMENTS**

intermunicipal urban development plan

financial equalisation among local municipalities

**[PTCP]**

**IMPLEMENTATION OF THE PLAN**



# Development & sustainability

General  
planning tool



Provincial Territorial  
Coordination Plan

Specific  
planning tools



Instruments to  
implement the Plan

Territorial project



Application of  
planning  
instruments

**FUNO**