



**LEGAMBIENTE**



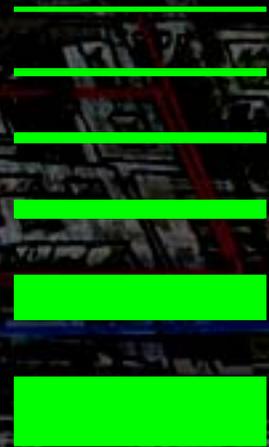
FONDAZIONE  
RICCARDO CATELLA



# Fabio Casiroli

DPA Politecnico di Milano & Systematica

lezioni dalle città



berlin





# berlin an excellent pt



berlin



lesson from berlin

berlin

extensive, integrated

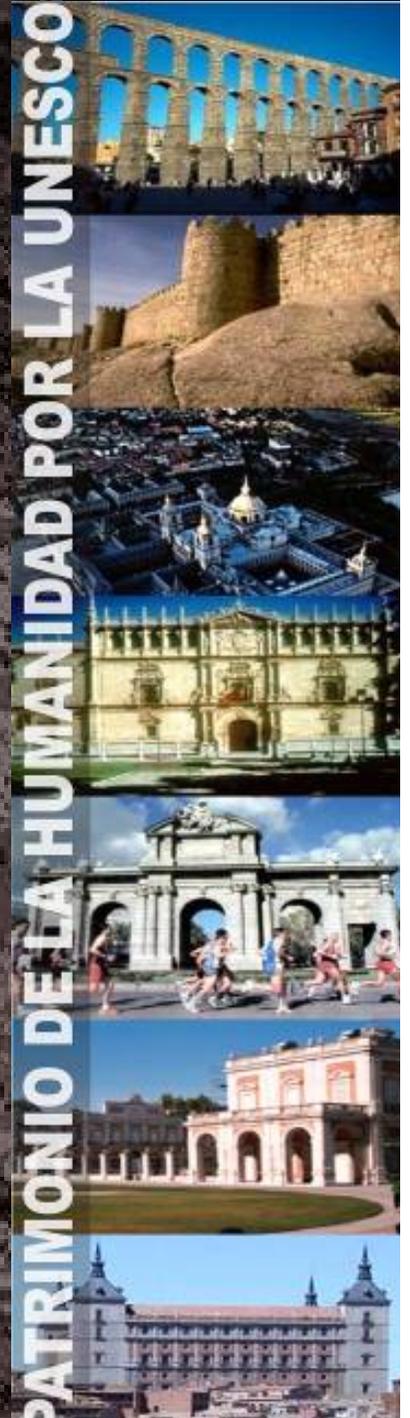
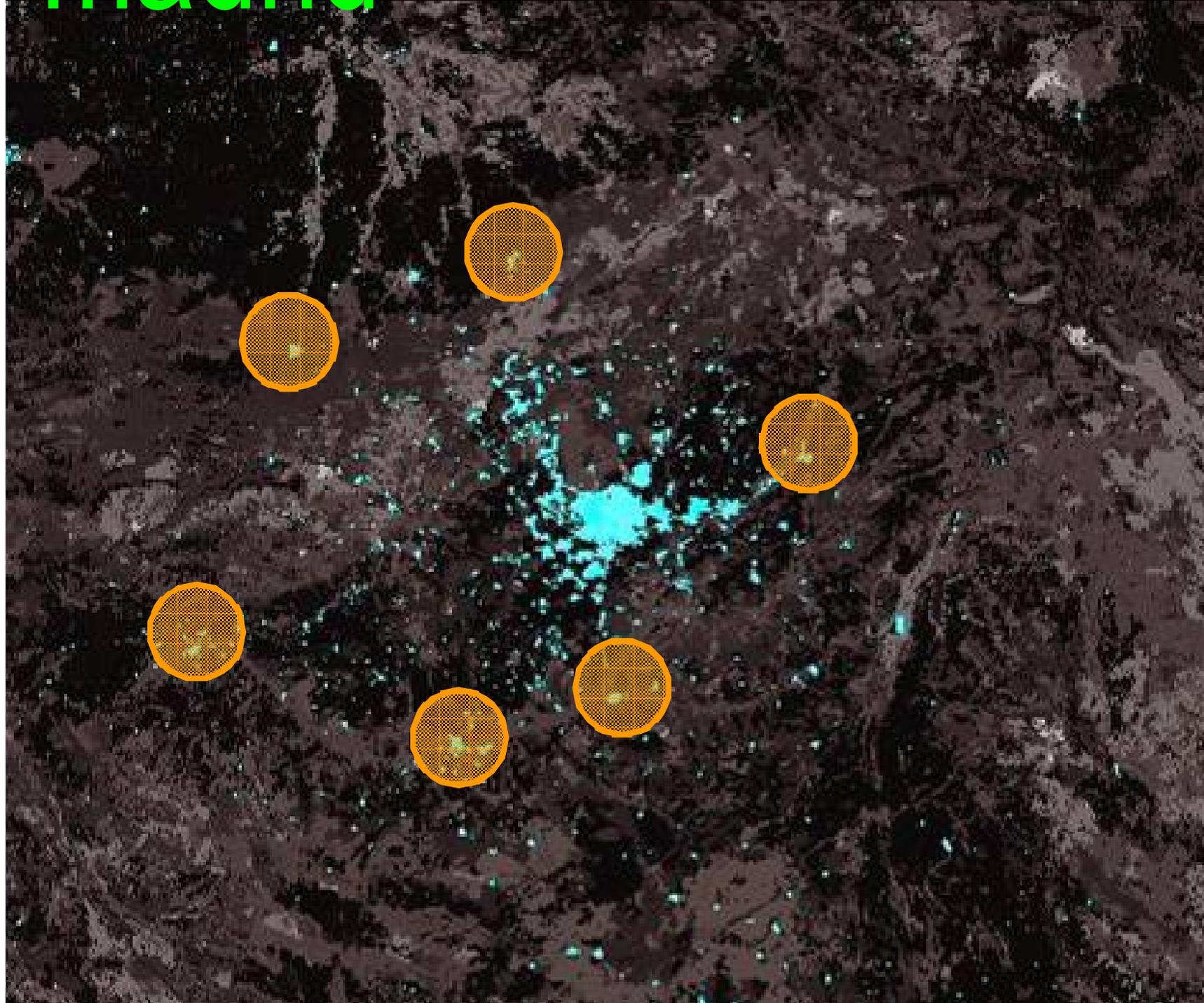
networks cut down the need of cars



madrid



# madrid



PATRIMONIO DE LA HUMANIDAD POR LA UNESCO



madrid

lesson from madrid



madrid

successful multinuclear

models need strong public

transport connections



# los angeles



# los angeles a new deal

## Les grands projets de Los Angeles



# los angeles

# lesson from los angeles



los angeles

never say “never”

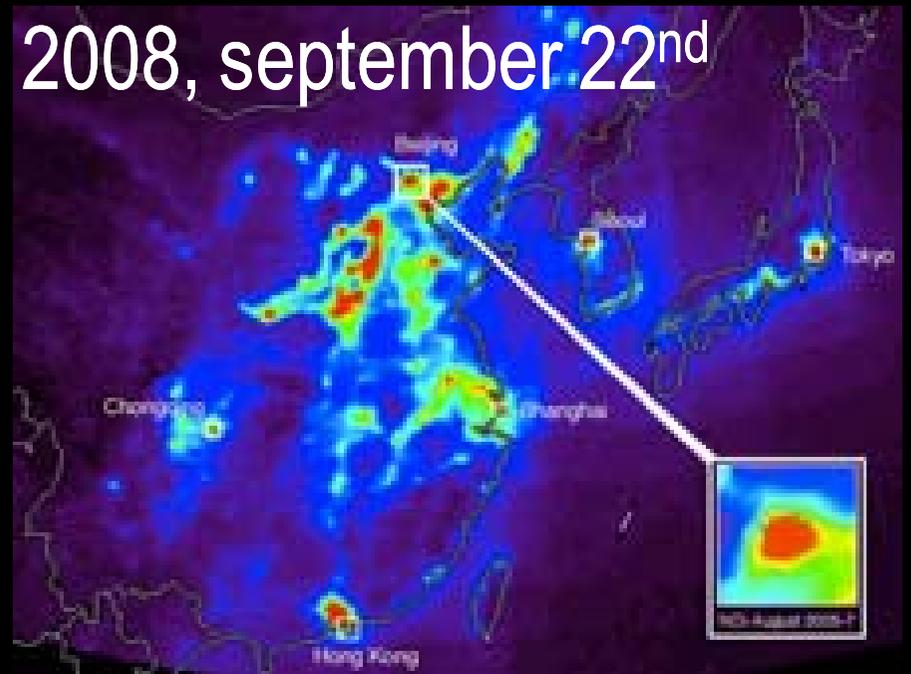
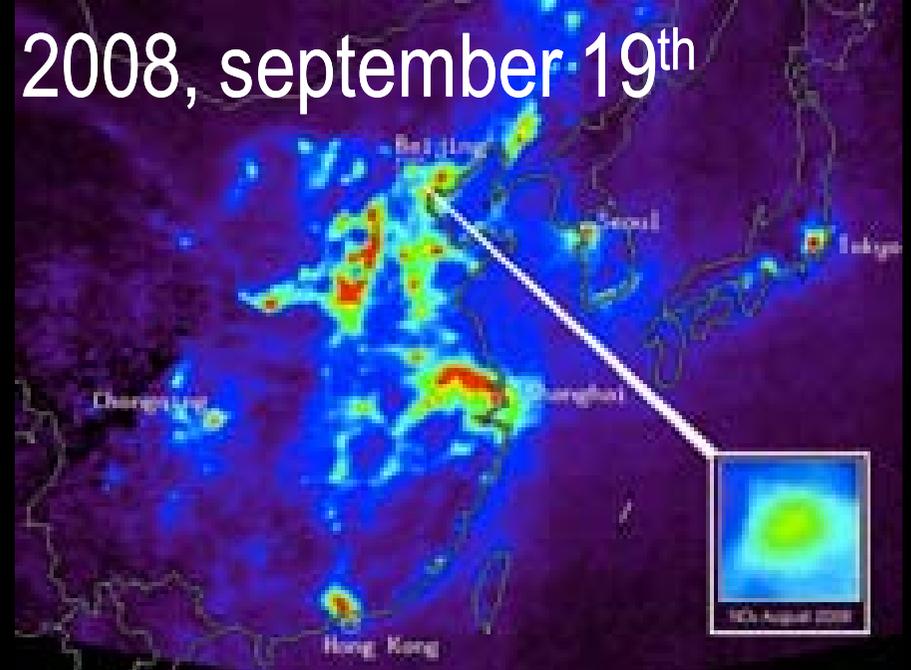
even the car-cities are capable  
of designing a better life

LEGENDS OF HOLLYWOOD

beijing



# beijing radical measures



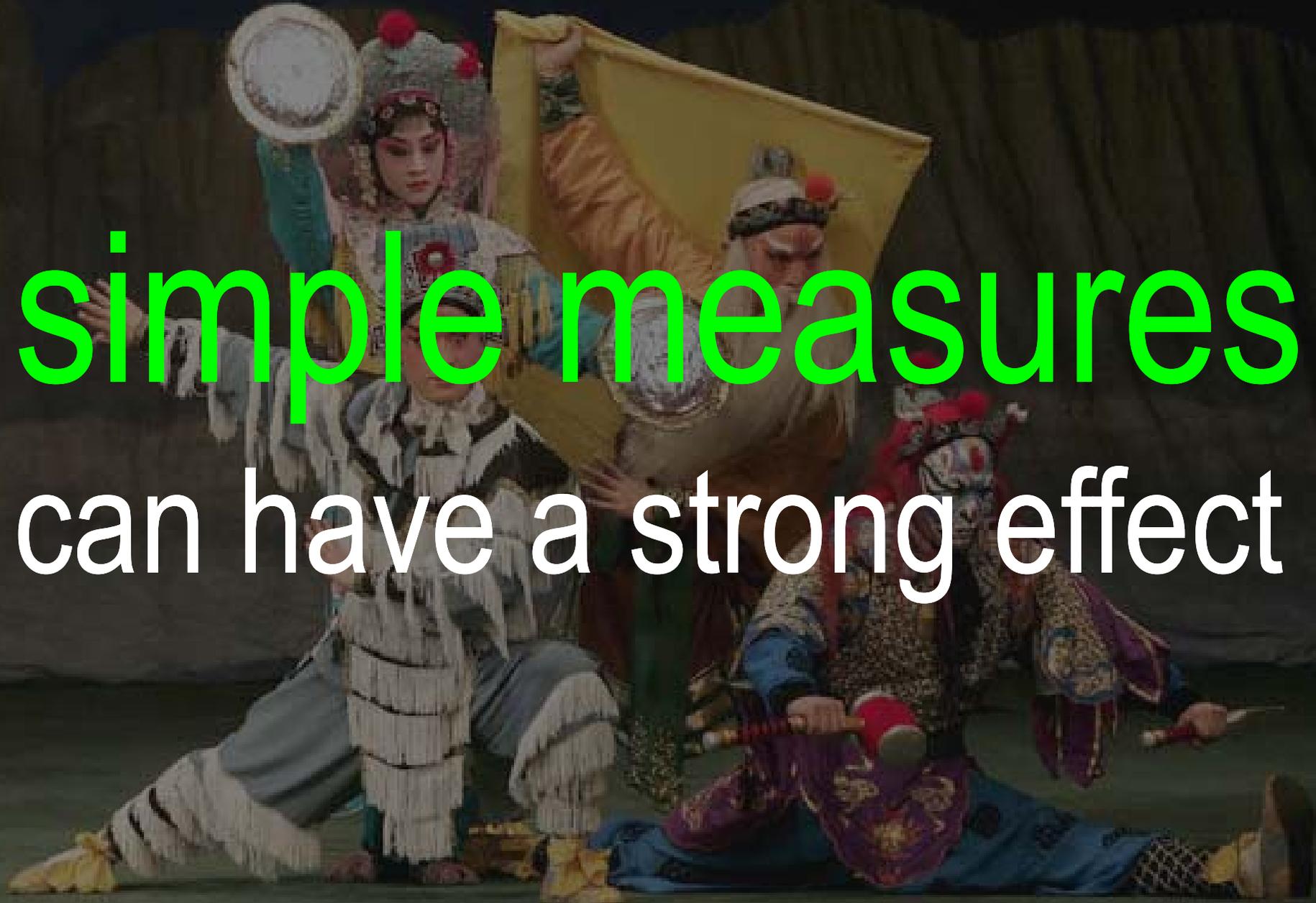
beijing

lesson from beijing



beijing

simple measures  
can have a strong effect



1900



2007



2030



2050



impronta antropica sul pianeta



1.500

360

come crescono oggi le megalopoli?















ALZADO  
MODA

SOLEN DE MODAS ANGE

FABRICA

COLME

TransMilenio



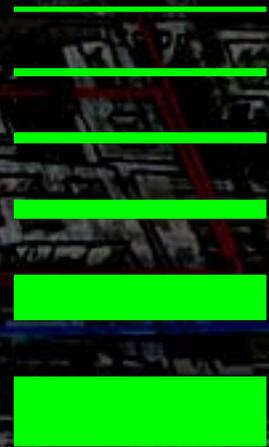






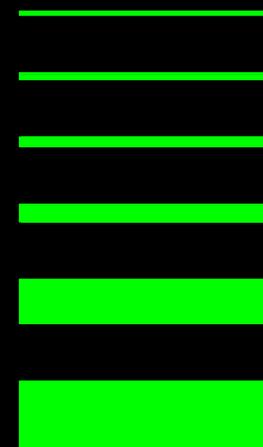
multiple forms of city

2

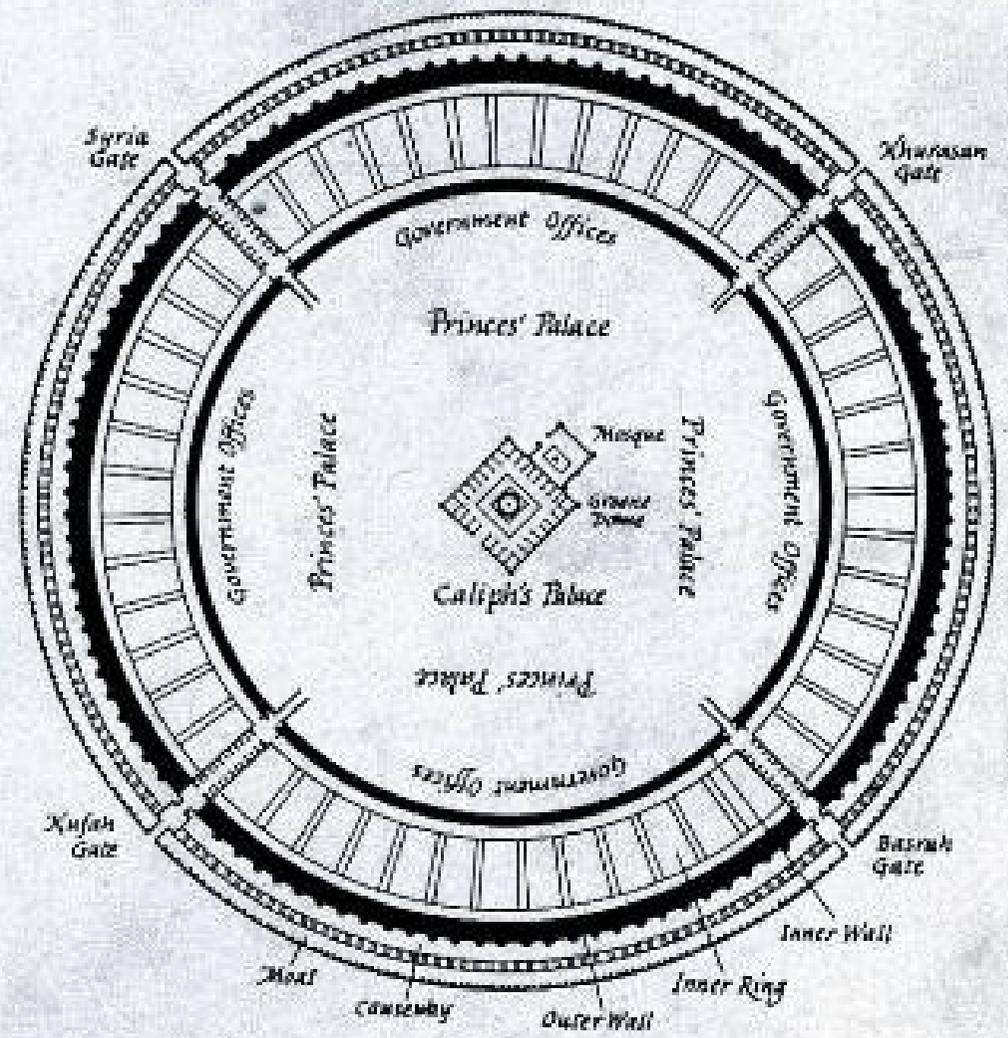
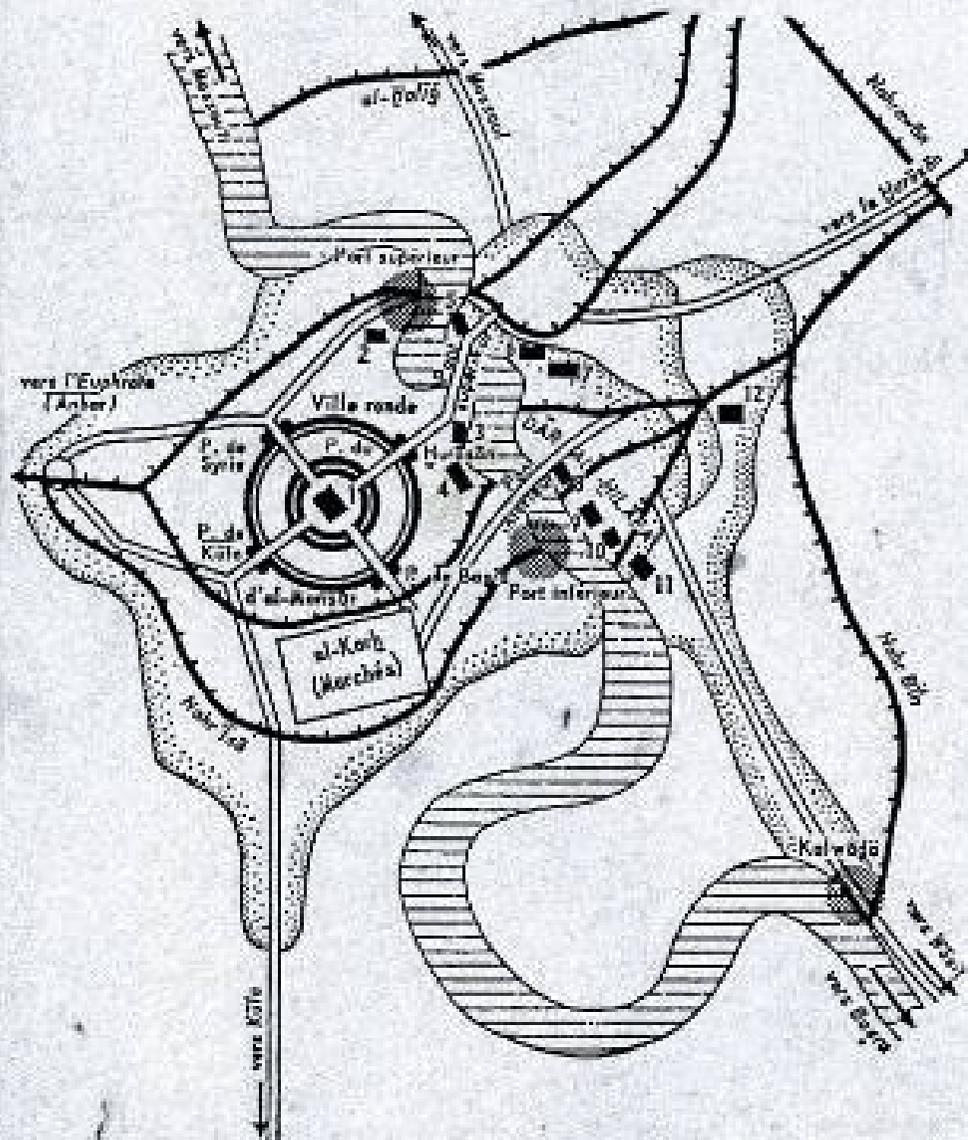


# mappe tradizionali

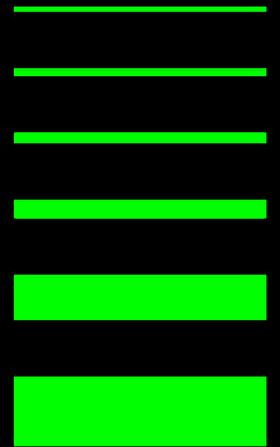
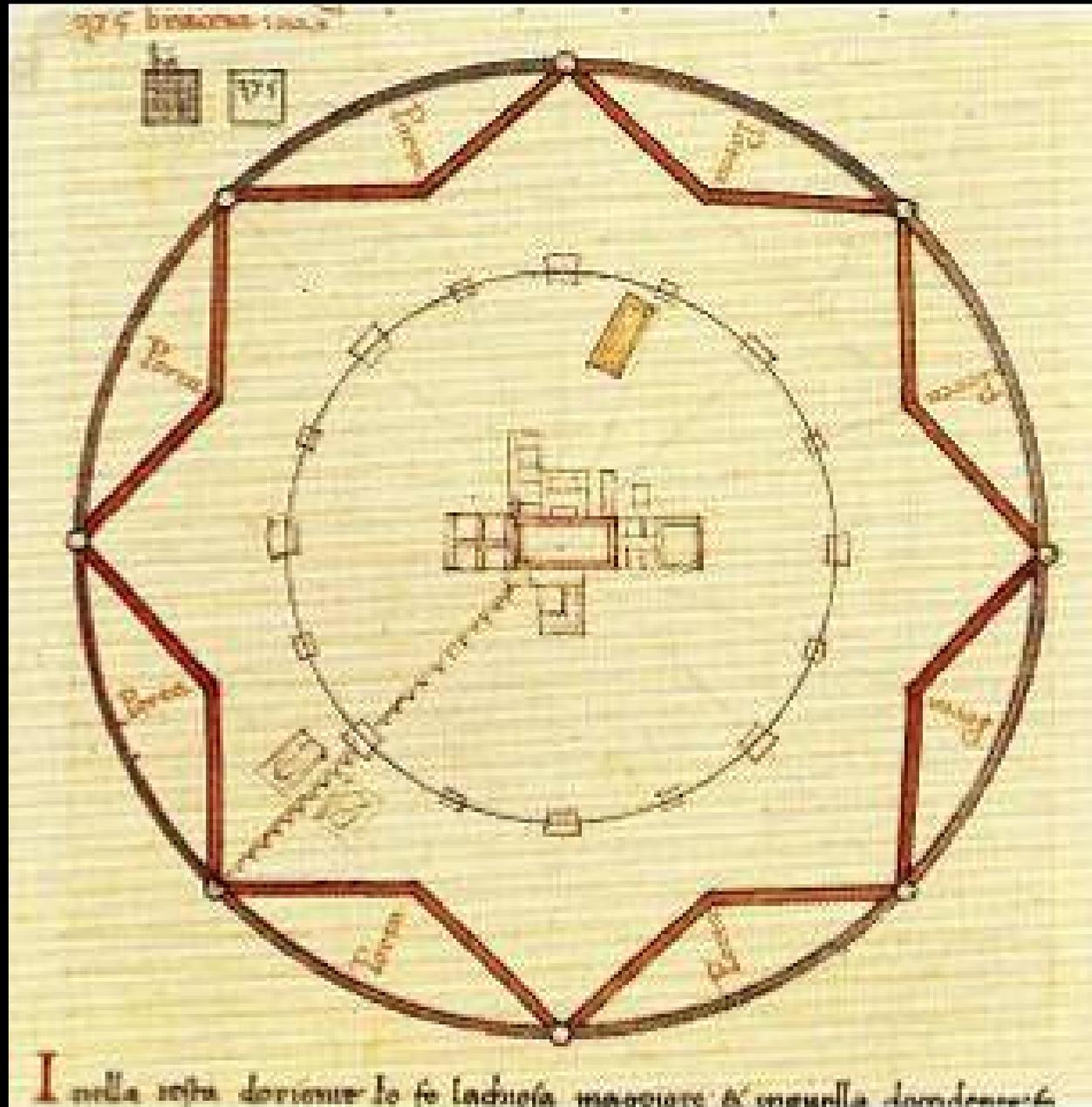
per leggere la forma urbana



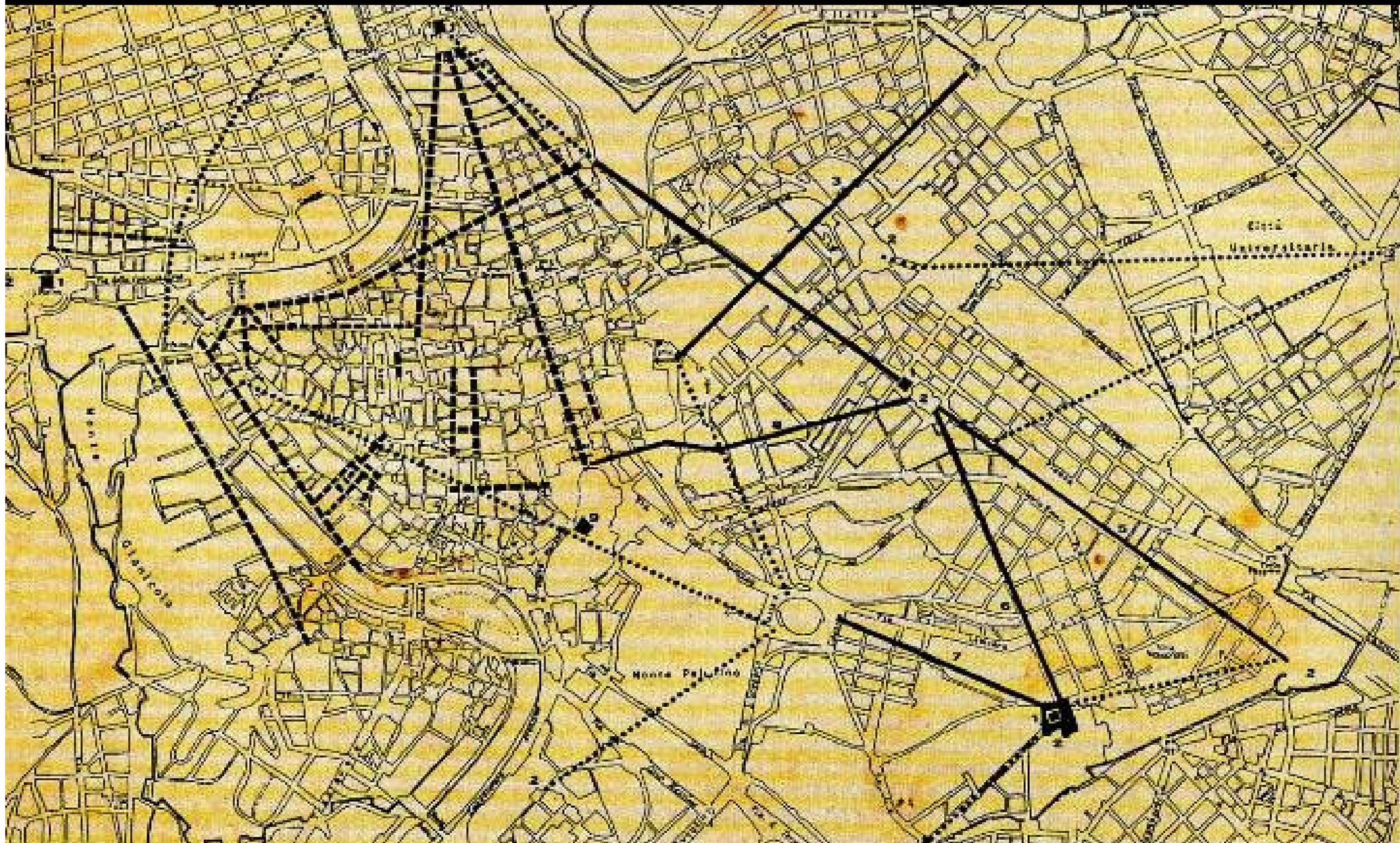
# Baghdad, città simbolica



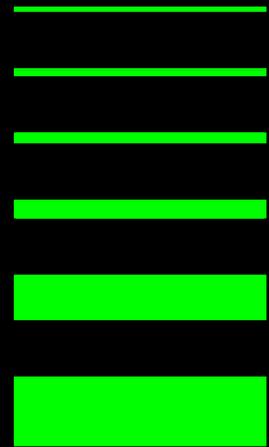
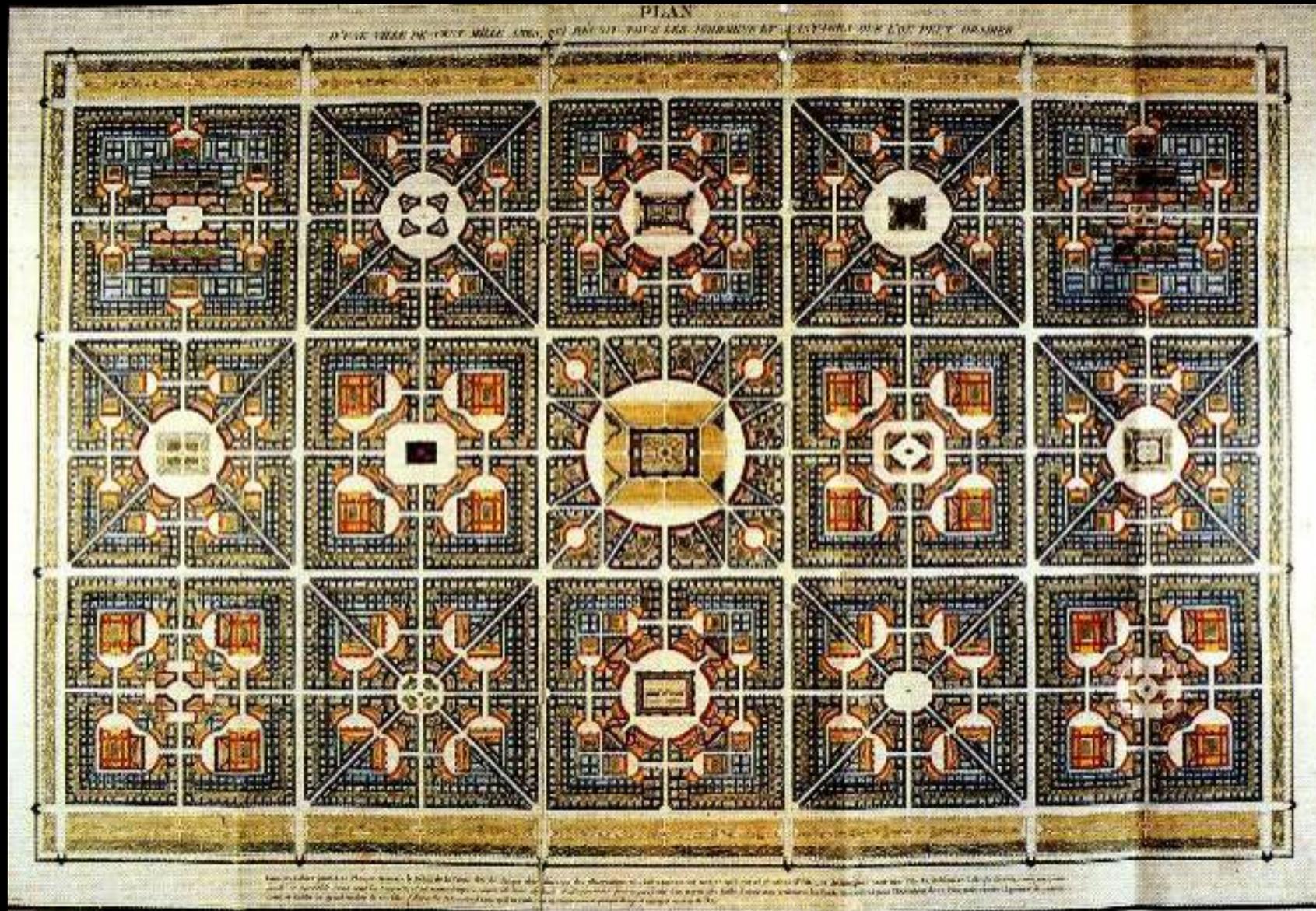
# Sforzinda, città difensiva



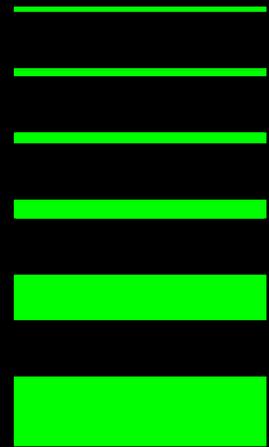
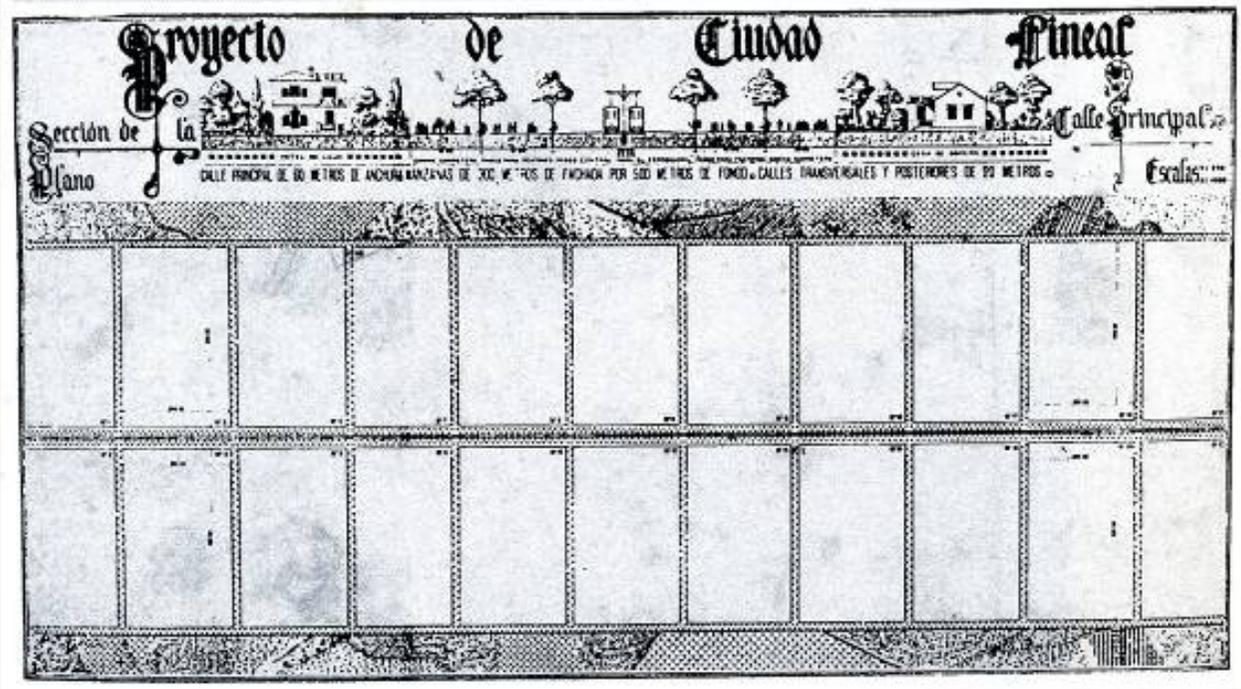
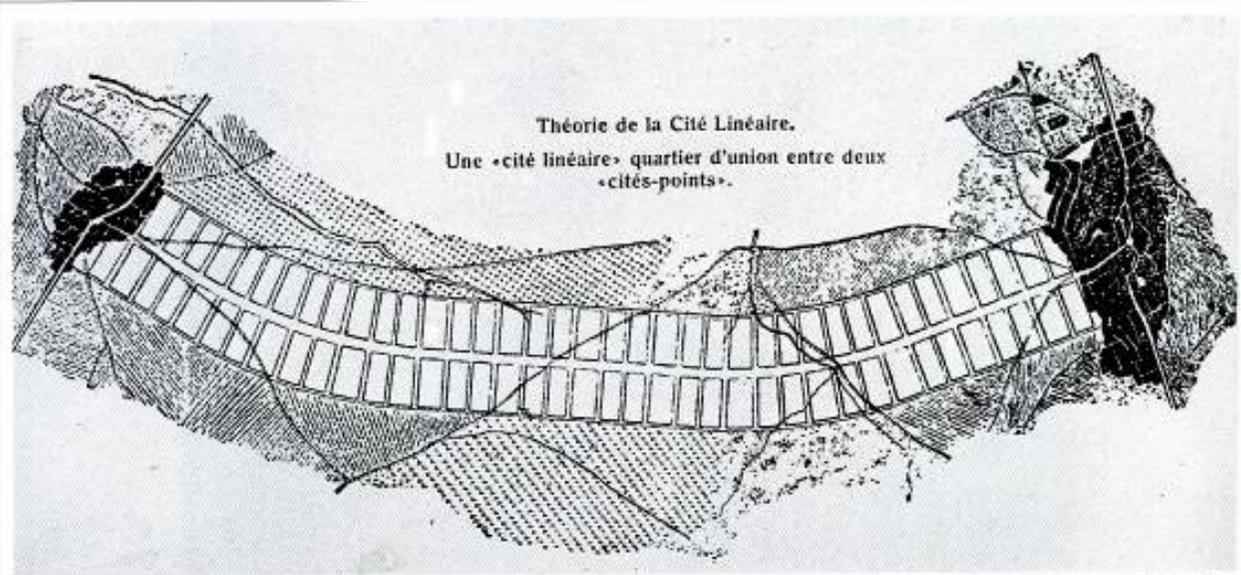
# Roma, città **religiosa**



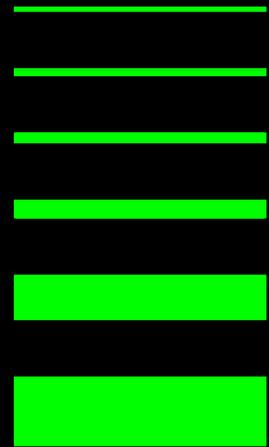
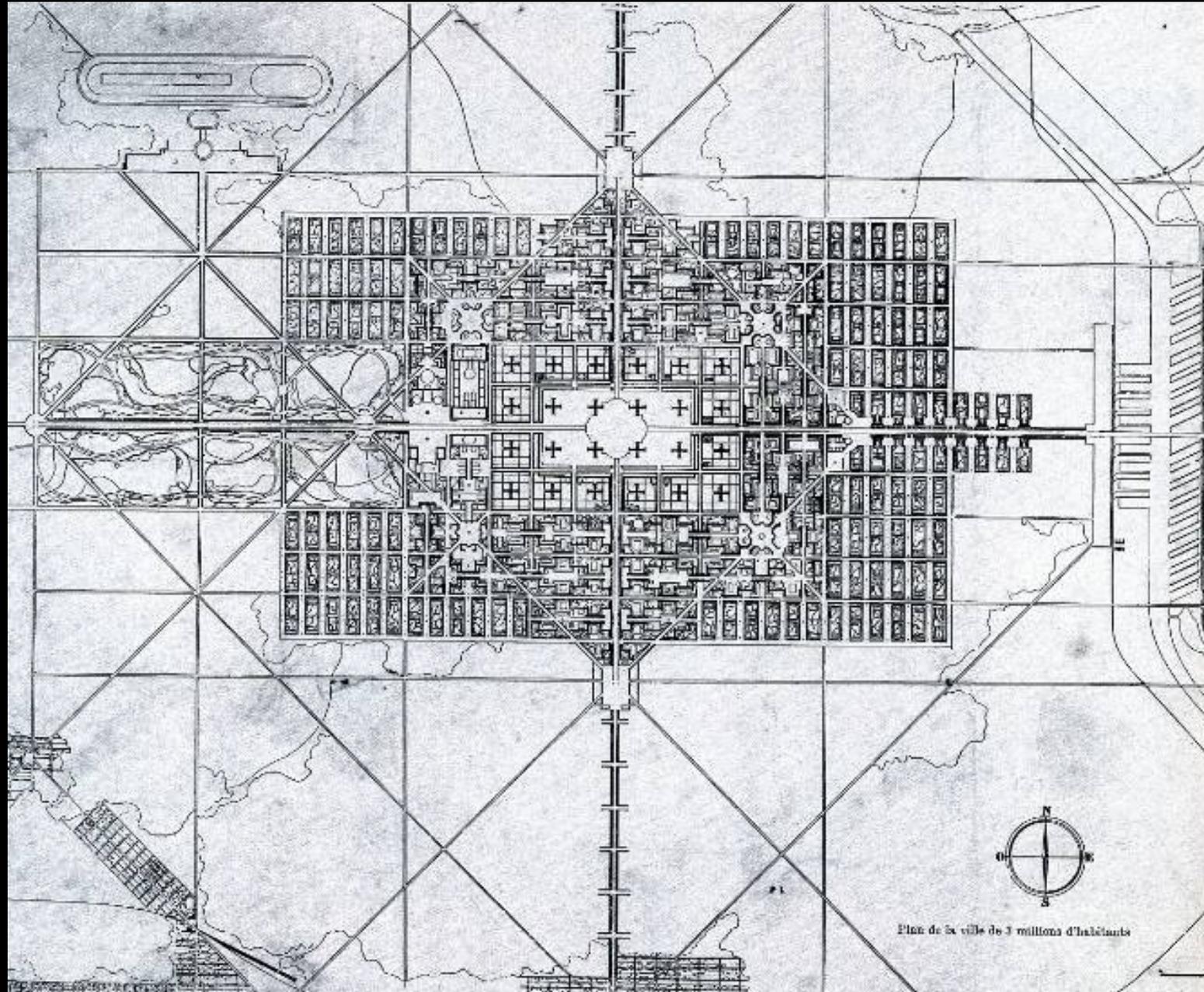
# Napoléonville, città celebrativa



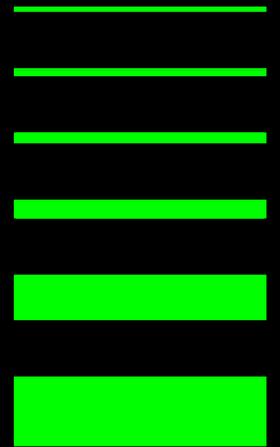
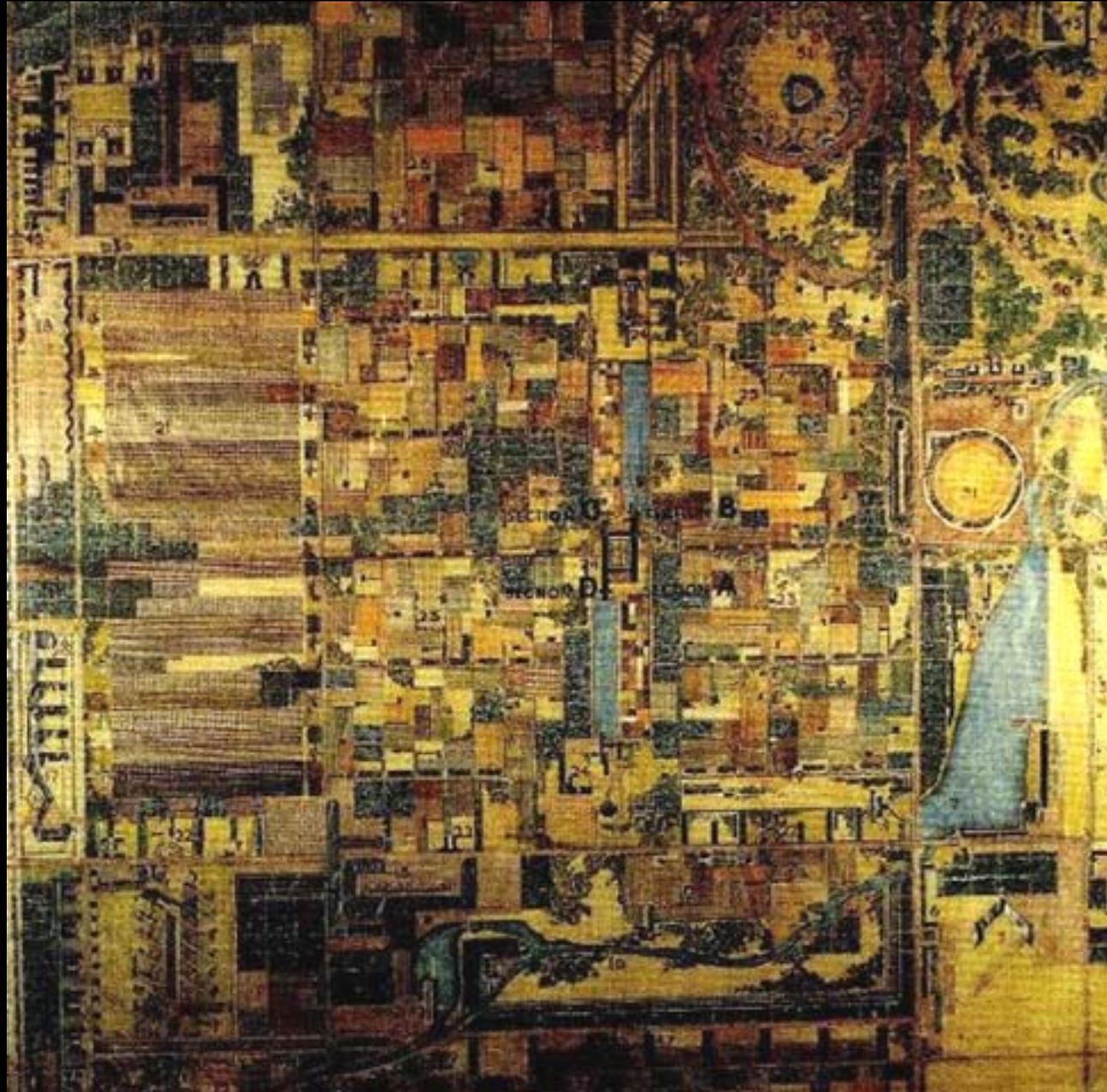
# città lineare



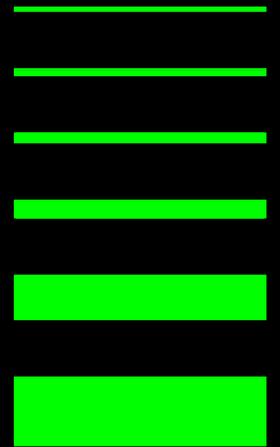
città da **3 milioni** di abitanti



# Usonia, città **orizzontale**



# Brasilia, città **capitale**



# immobilità

è il comun denominatore

la città **mutevole**

il **tempo**, chiave per leggerne

la forma funzionale

# 12 città



4

funzioni:

lavoro, svago, sport e cultura

2

modi di trasporto:

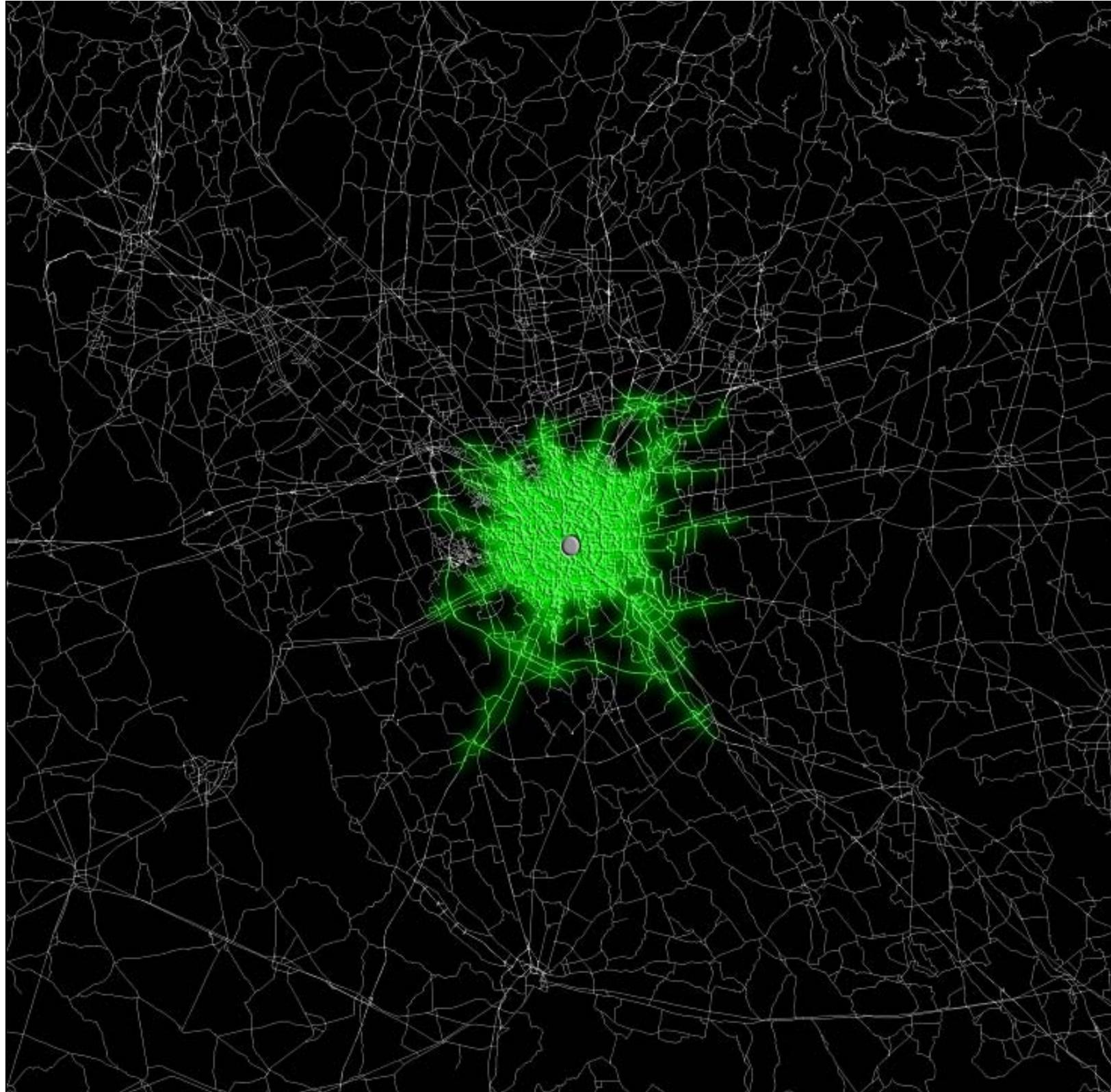
auto e mezzi pubblici

Milano

in auto

giorno feriale

ora di punta



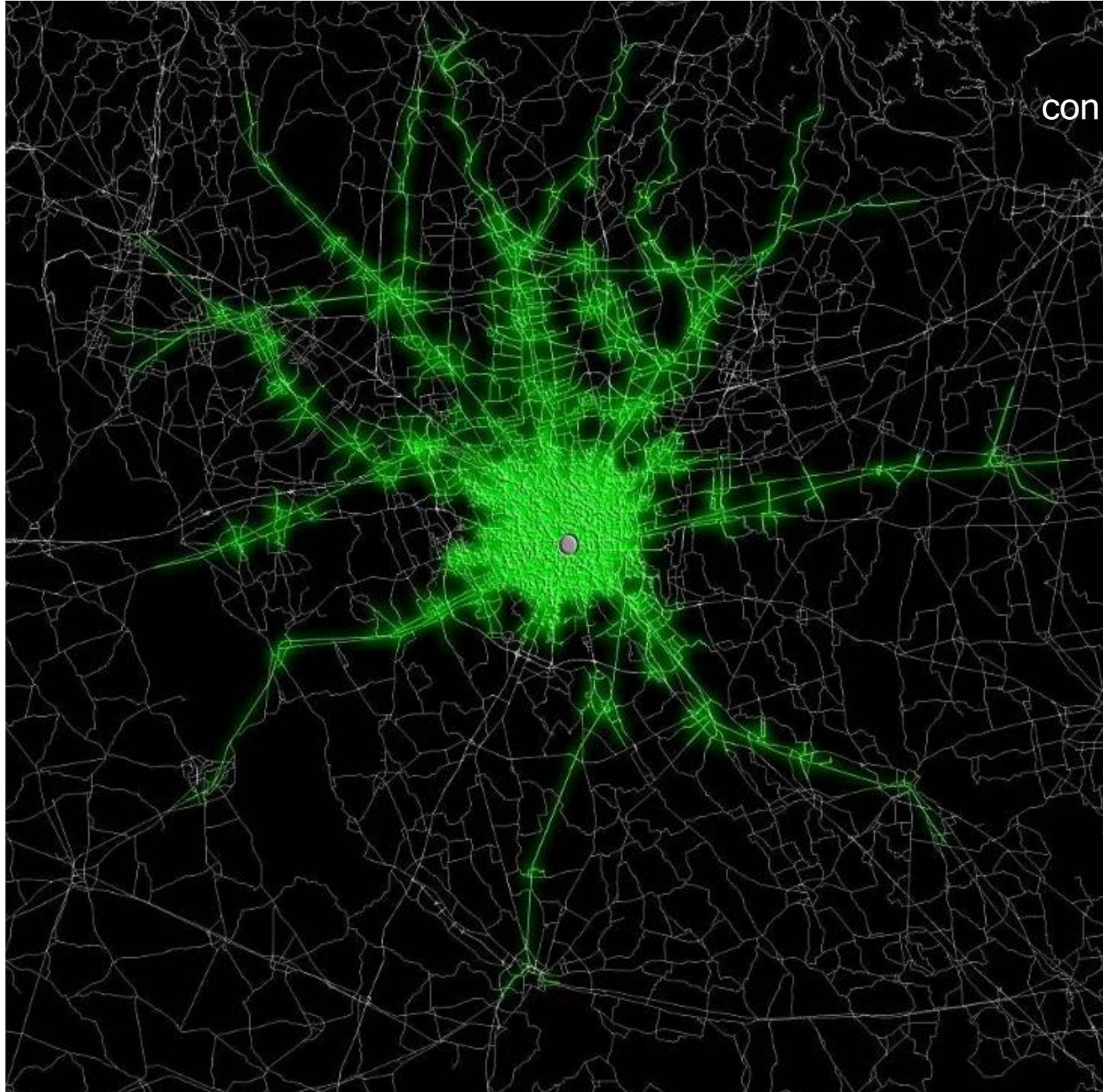
2.2

Milano

con trasporto pubblico

giorno feriale

ora di punta



4.1

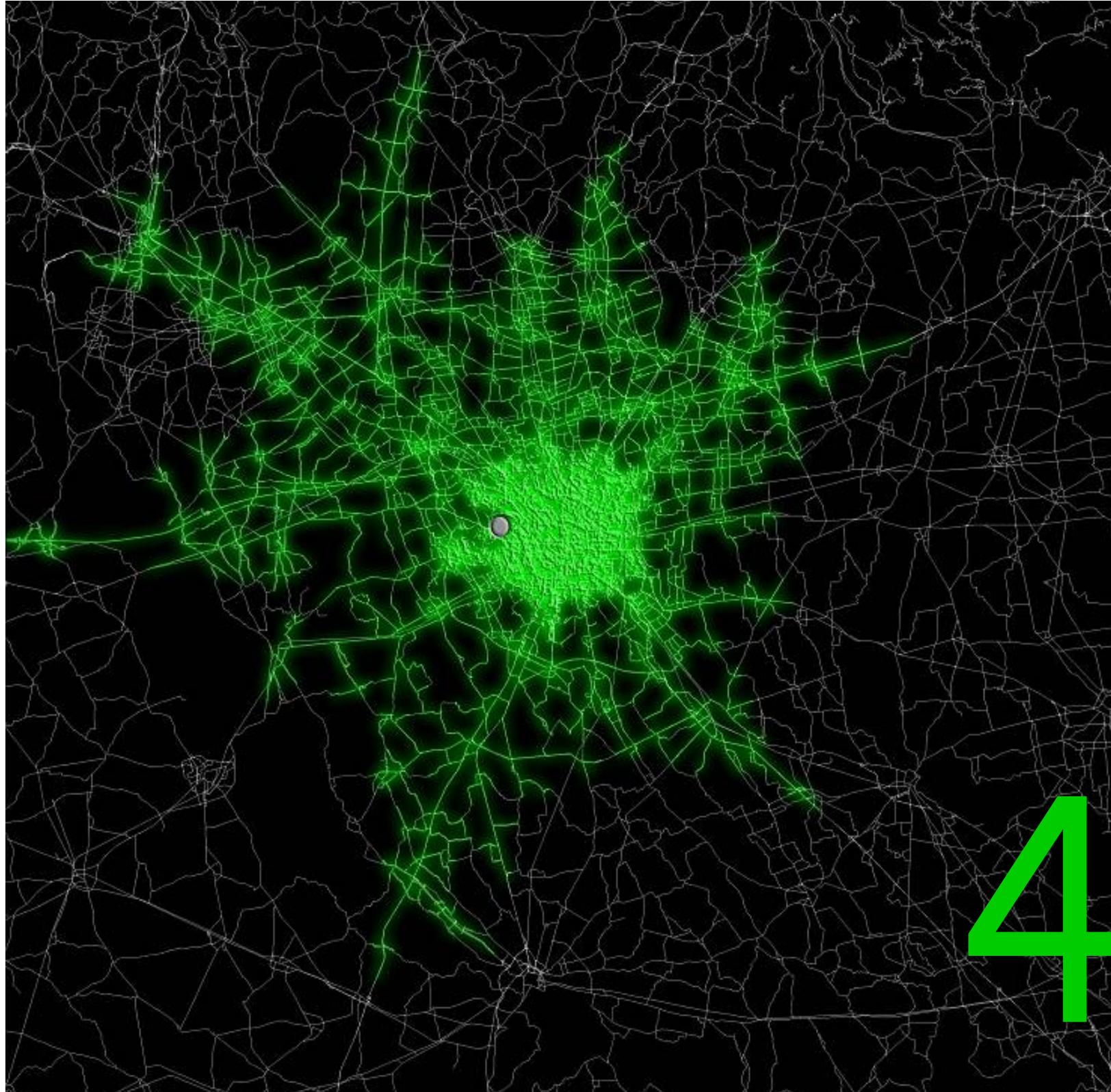
Milano

in auto

sabato

dopo cena

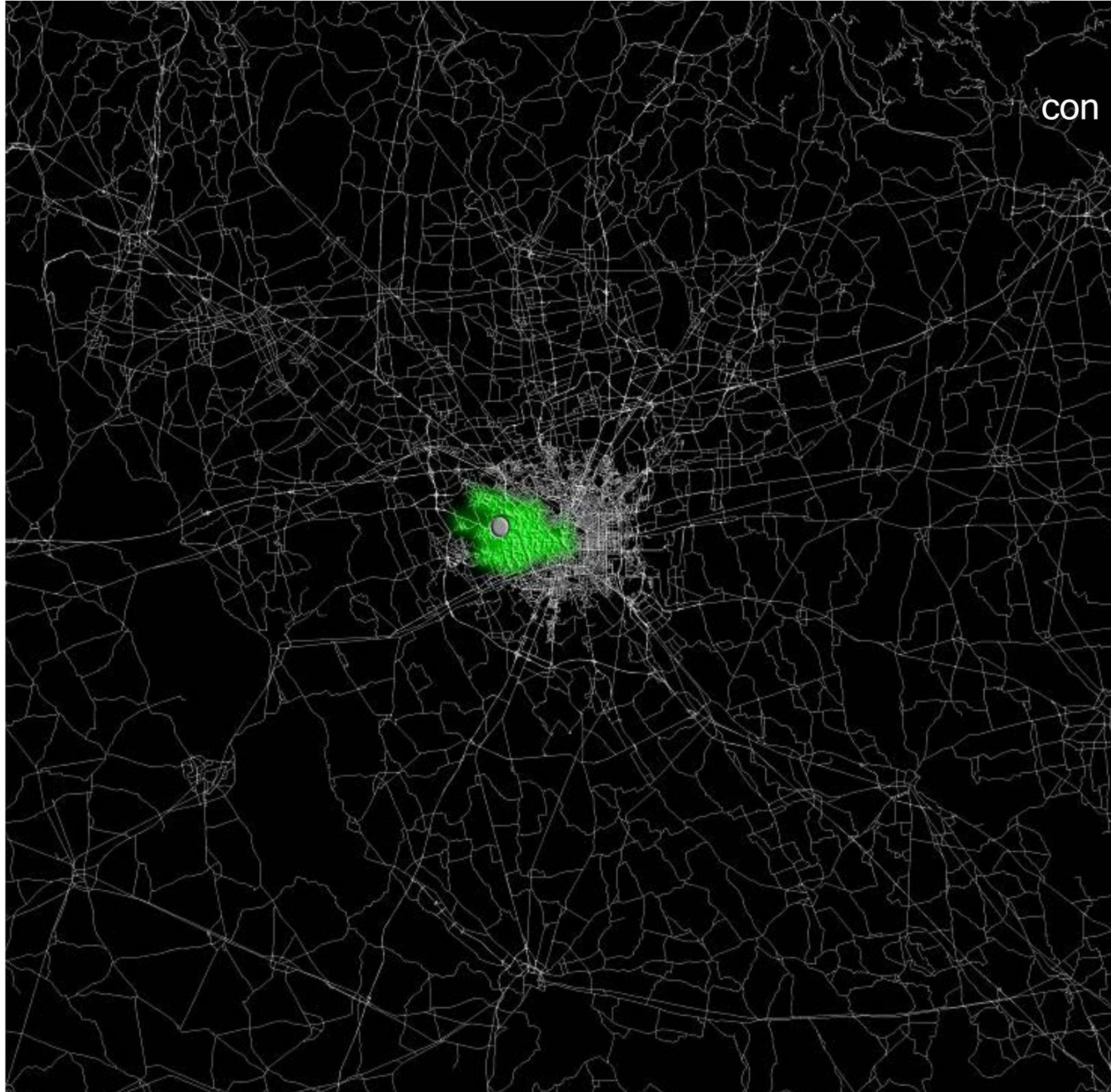
4.3



Milano

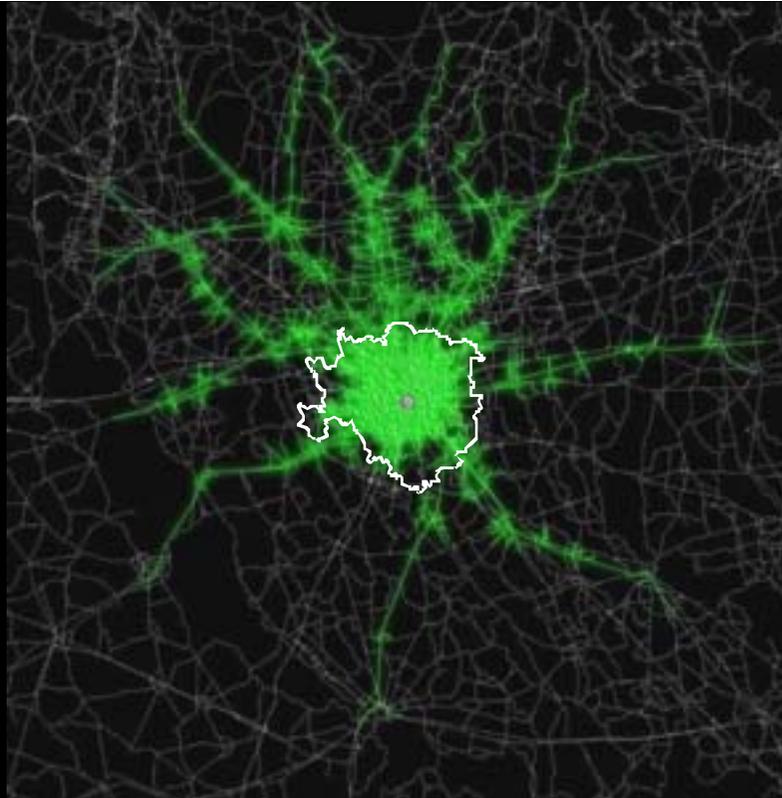
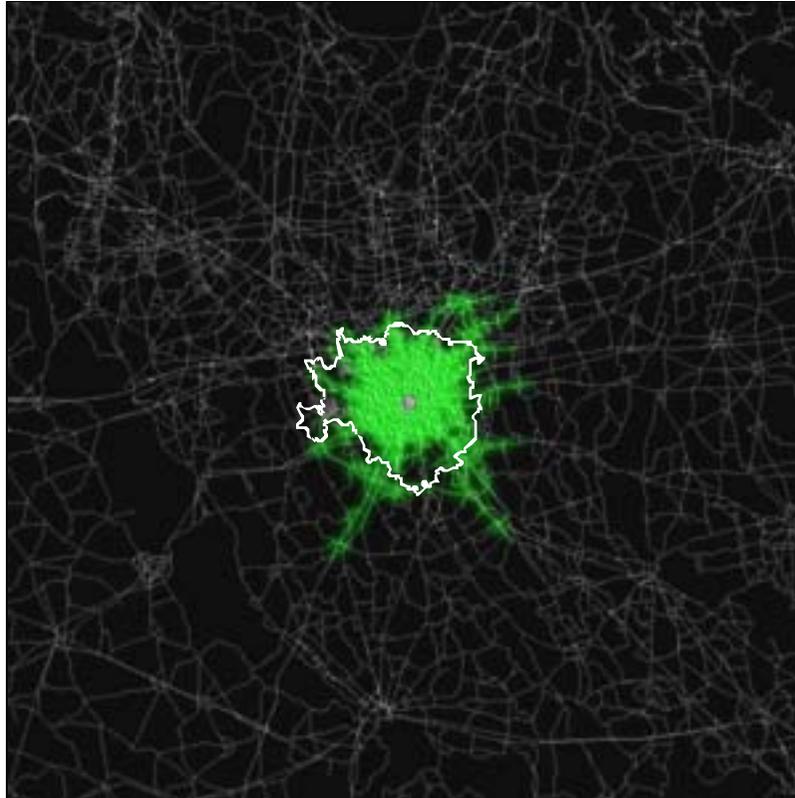
con trasporto pubblico

sabato  
dopo cena

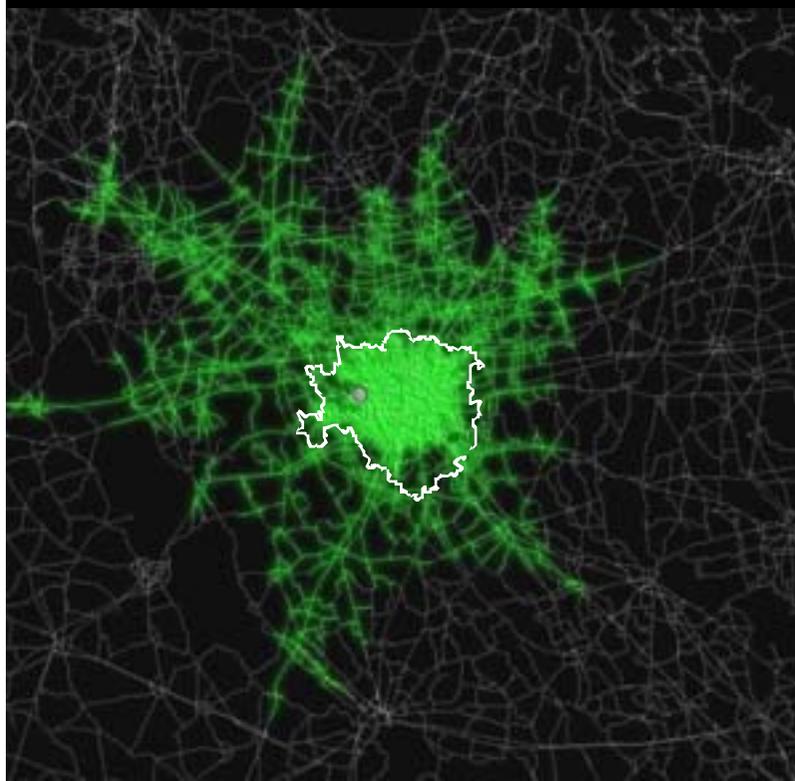


0.4

Milano



mutevoli  
forme di



città

# Los Angeles



# Los Angeles

work

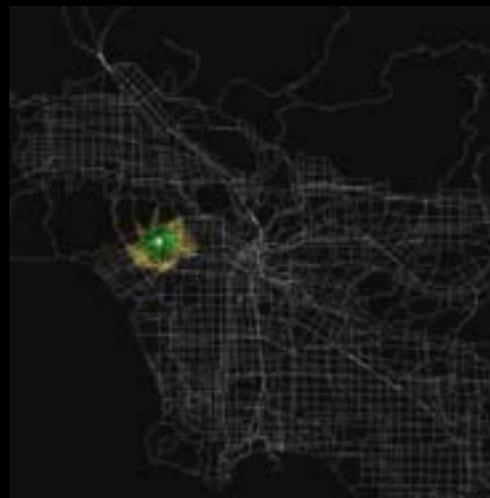
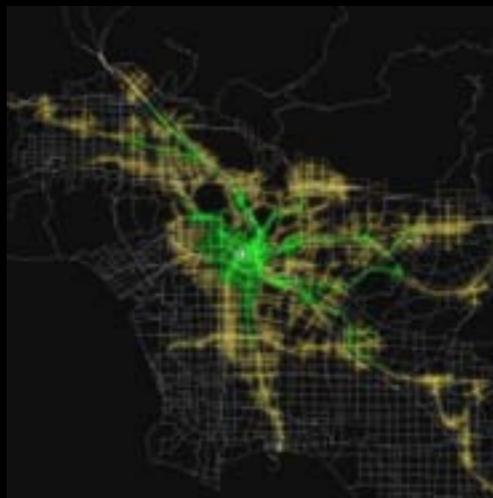
leisure

sport events

university



car



public transport

Tokyo



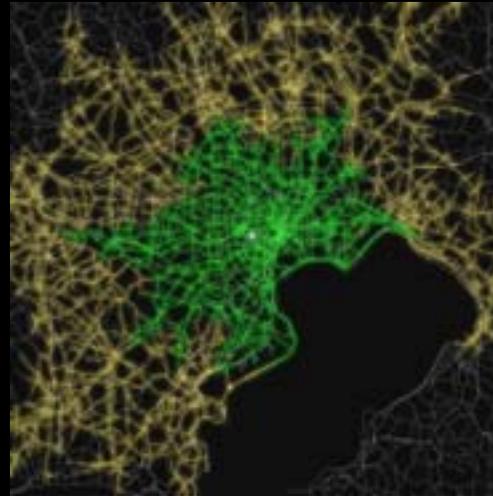
# Tokyo

work

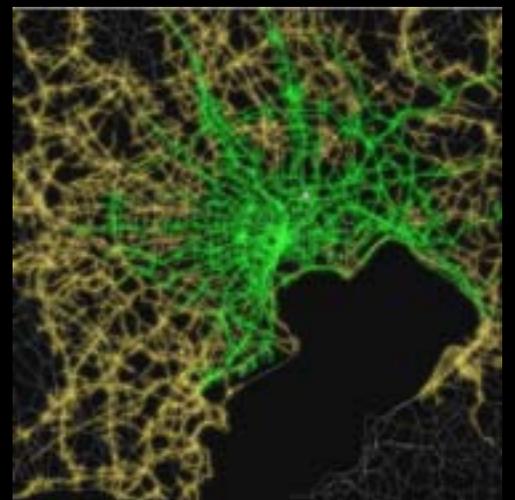
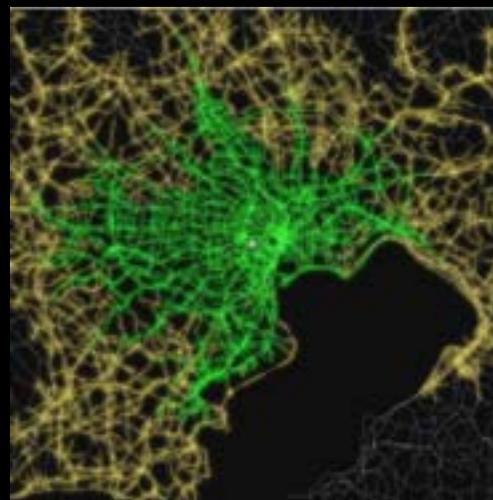
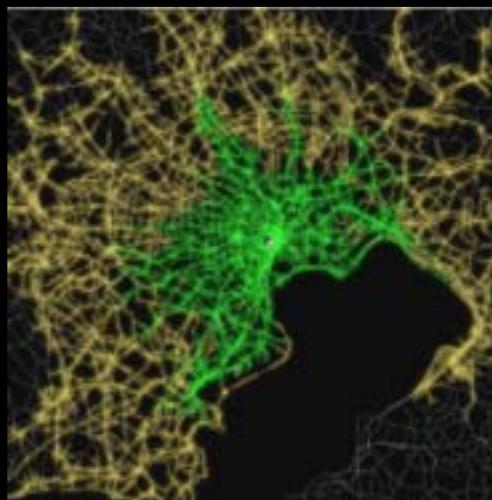
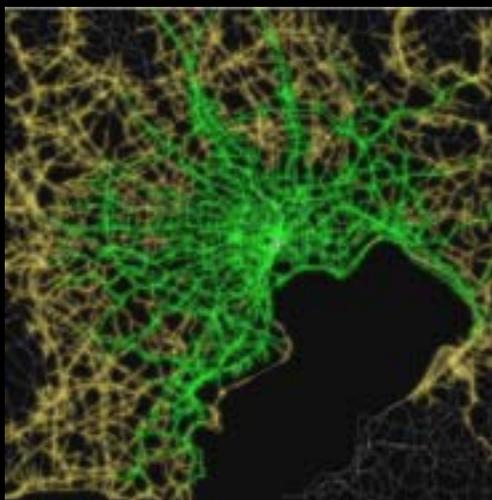
leisure

sport events

university

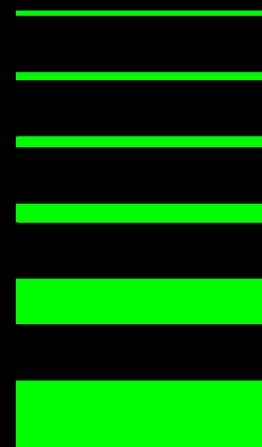


car



public transport

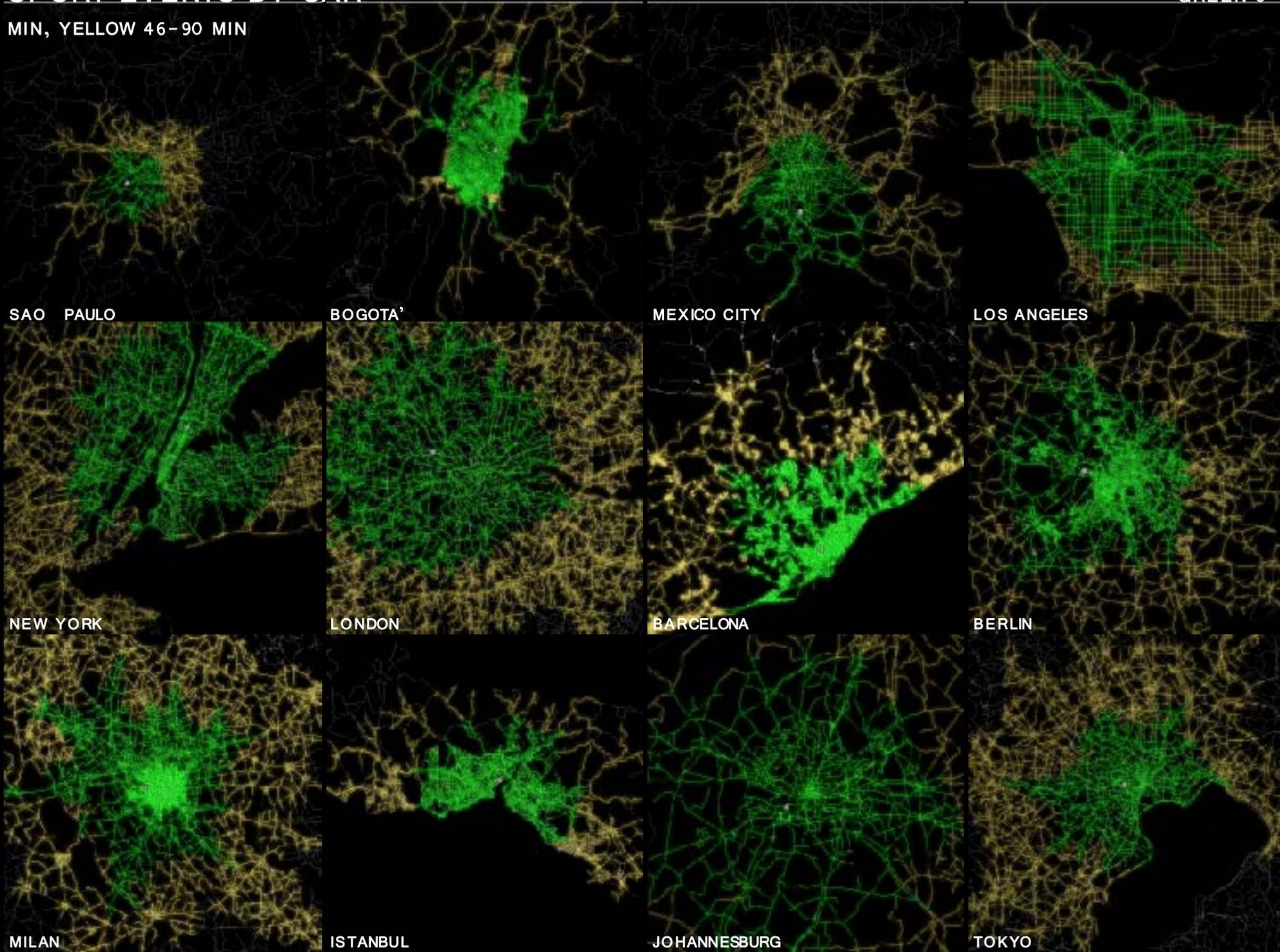
# mutevoli forme di città



# SPORT EVENTS BY CAR

GREEN 0-45

MIN, YELLOW 46-90 MIN



# SPORT EVENTS BY PUBLIC TRANSPORT

GREEN 0-45 MIN, YELLOW 46-90 MIN



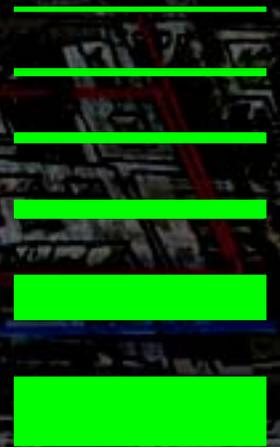
khrónopolis.

città

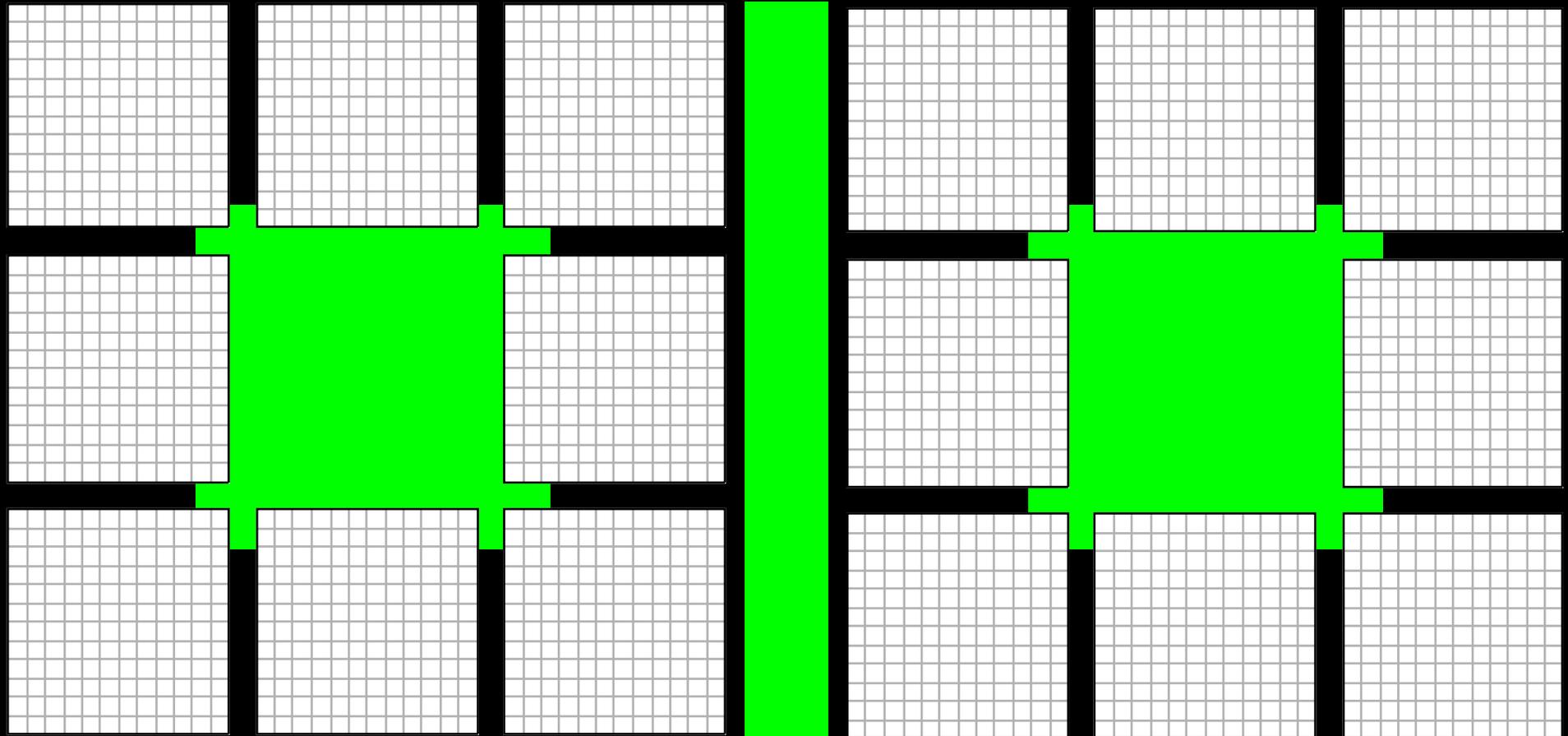
accessibile, città

possibile

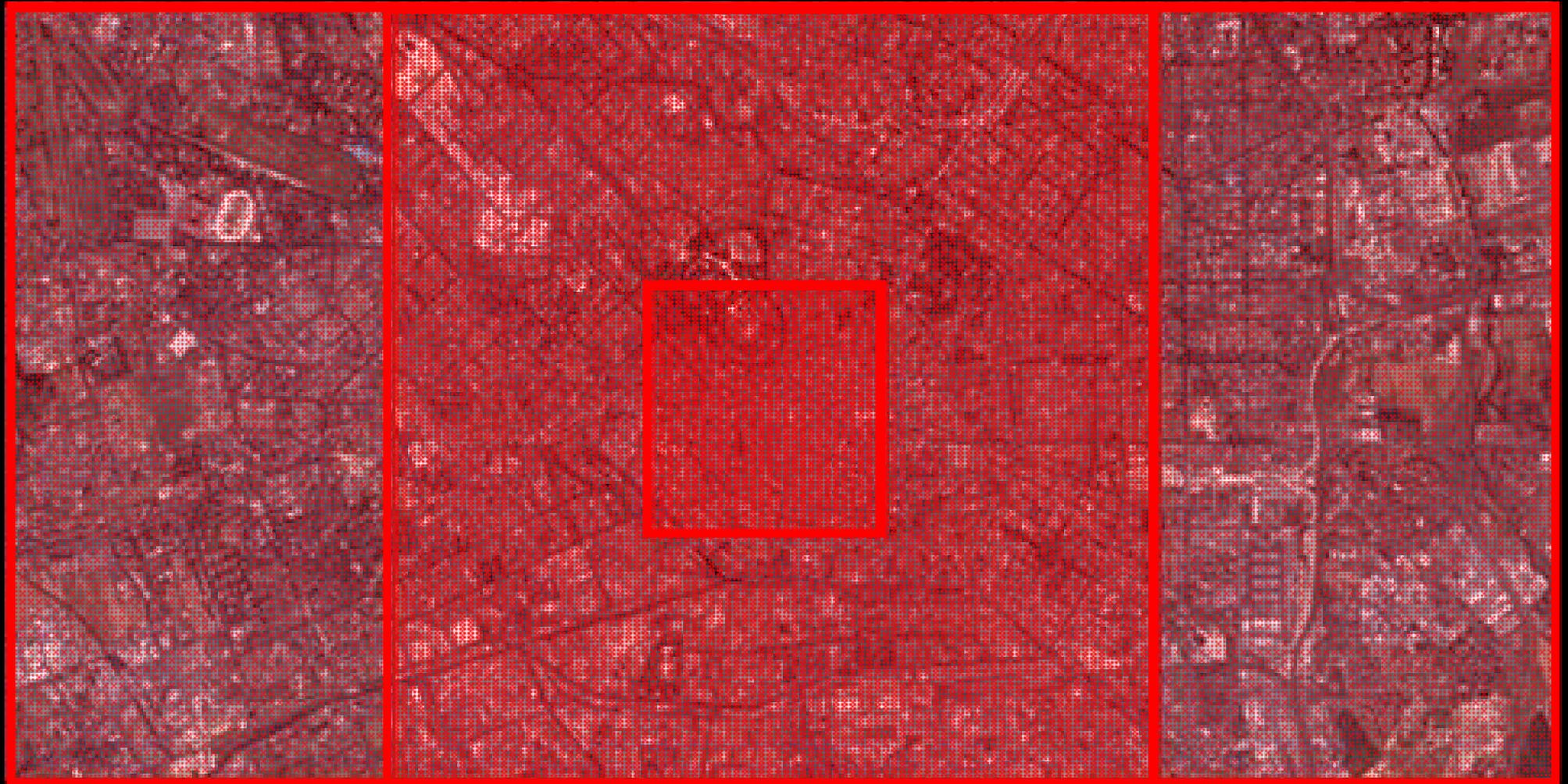
3



green core



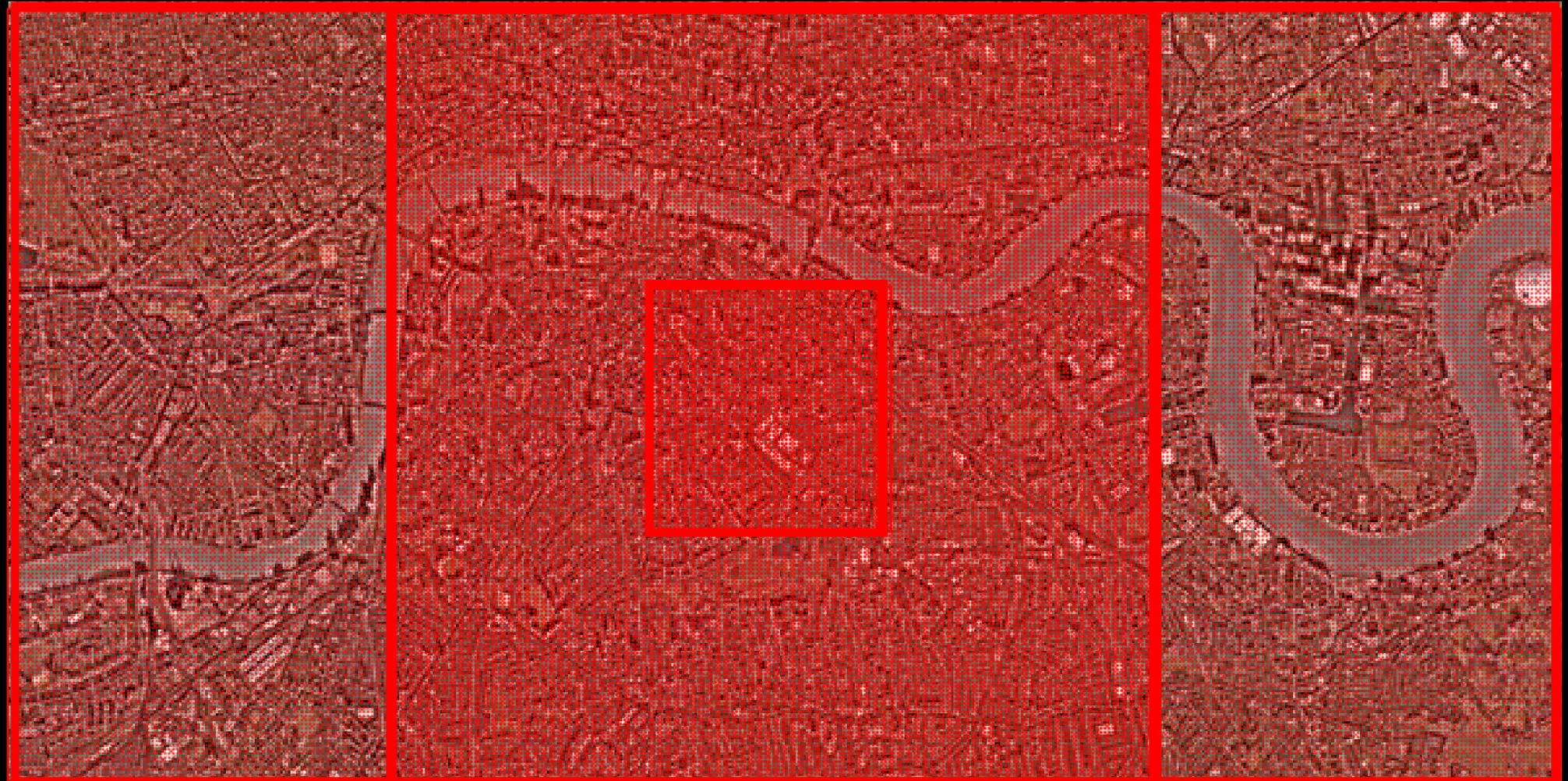
milano



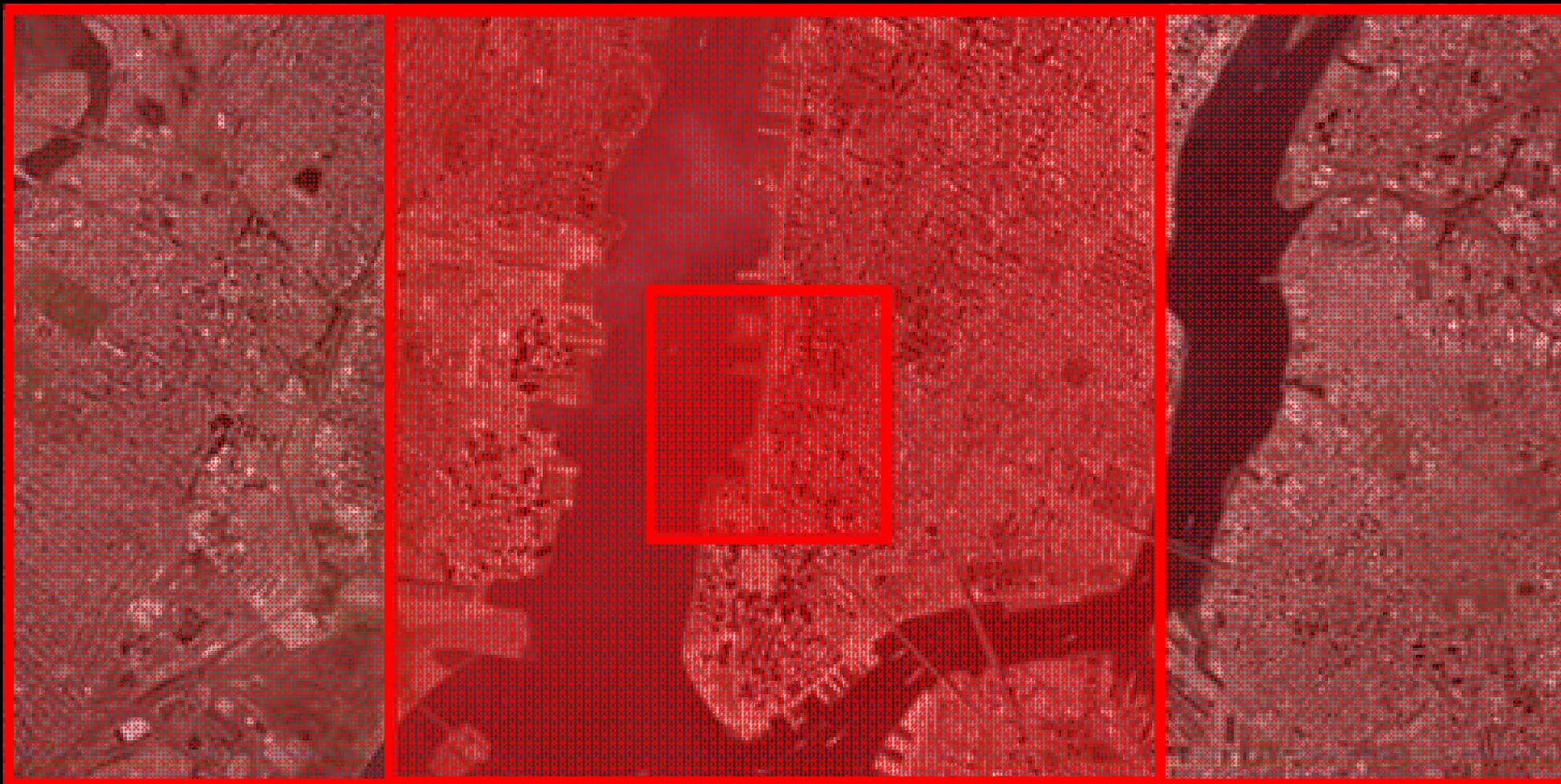
parigi



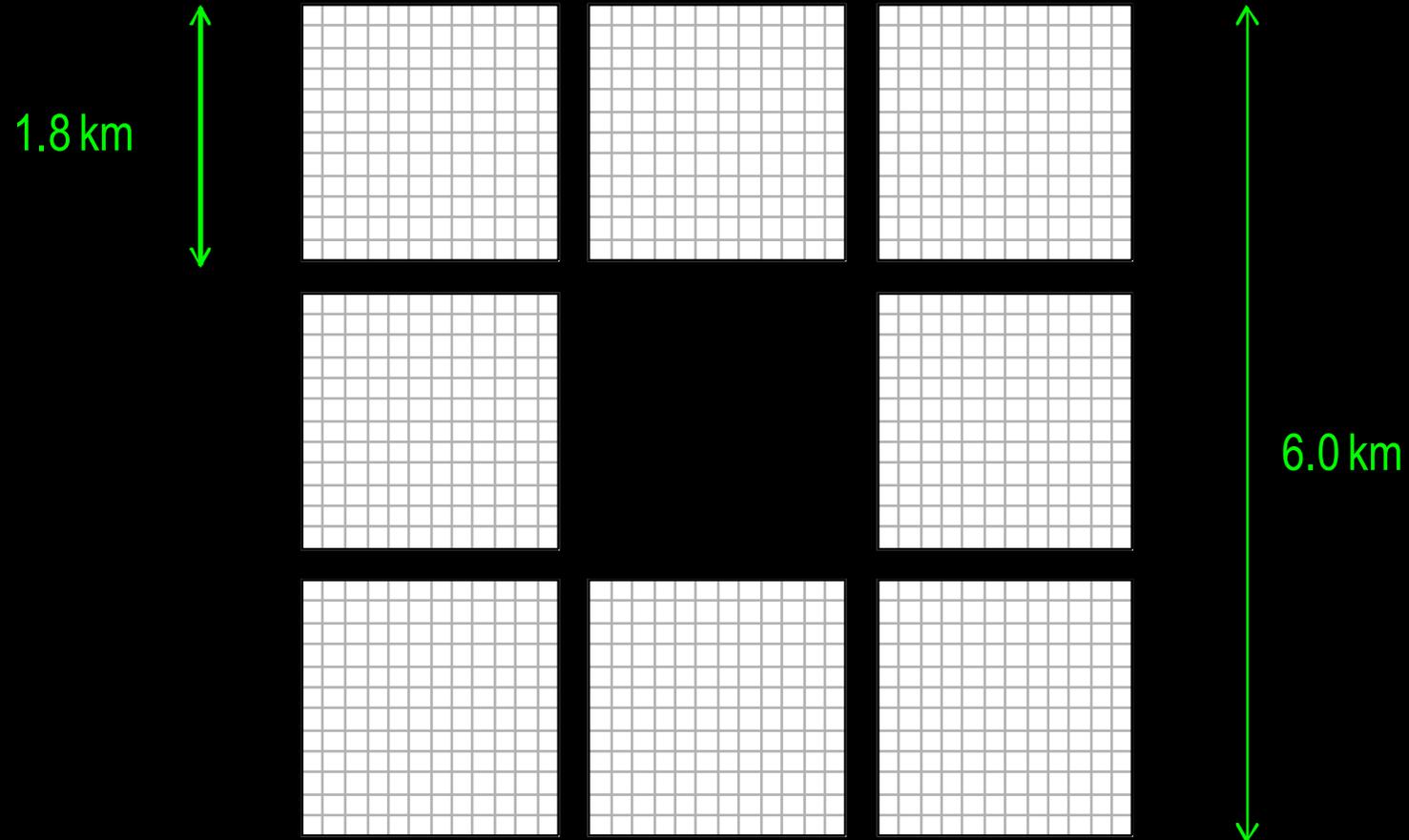
londra



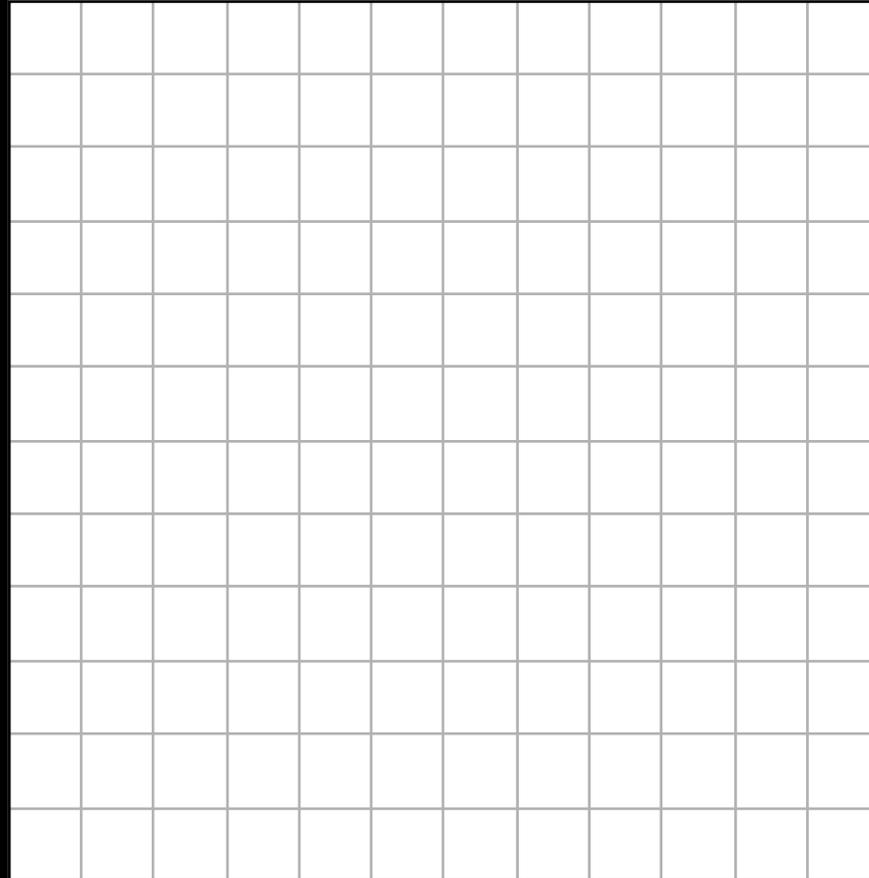
new york



# modulo urbano (6km x 6km)



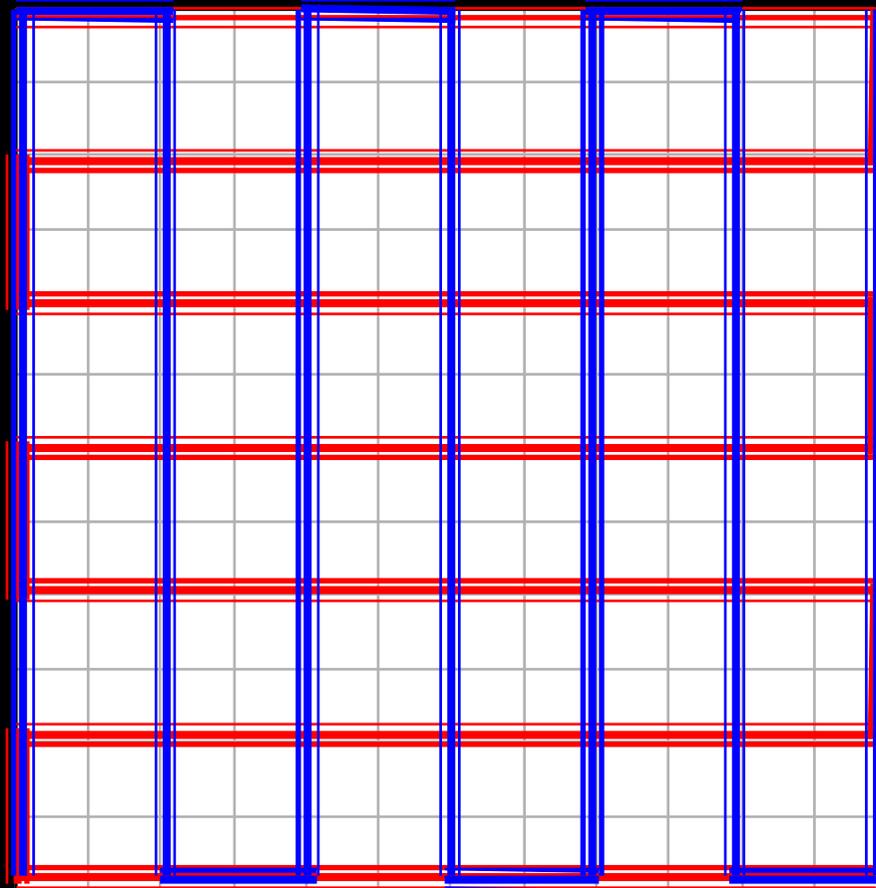
singolo blocco (1.8km x 1.8km)



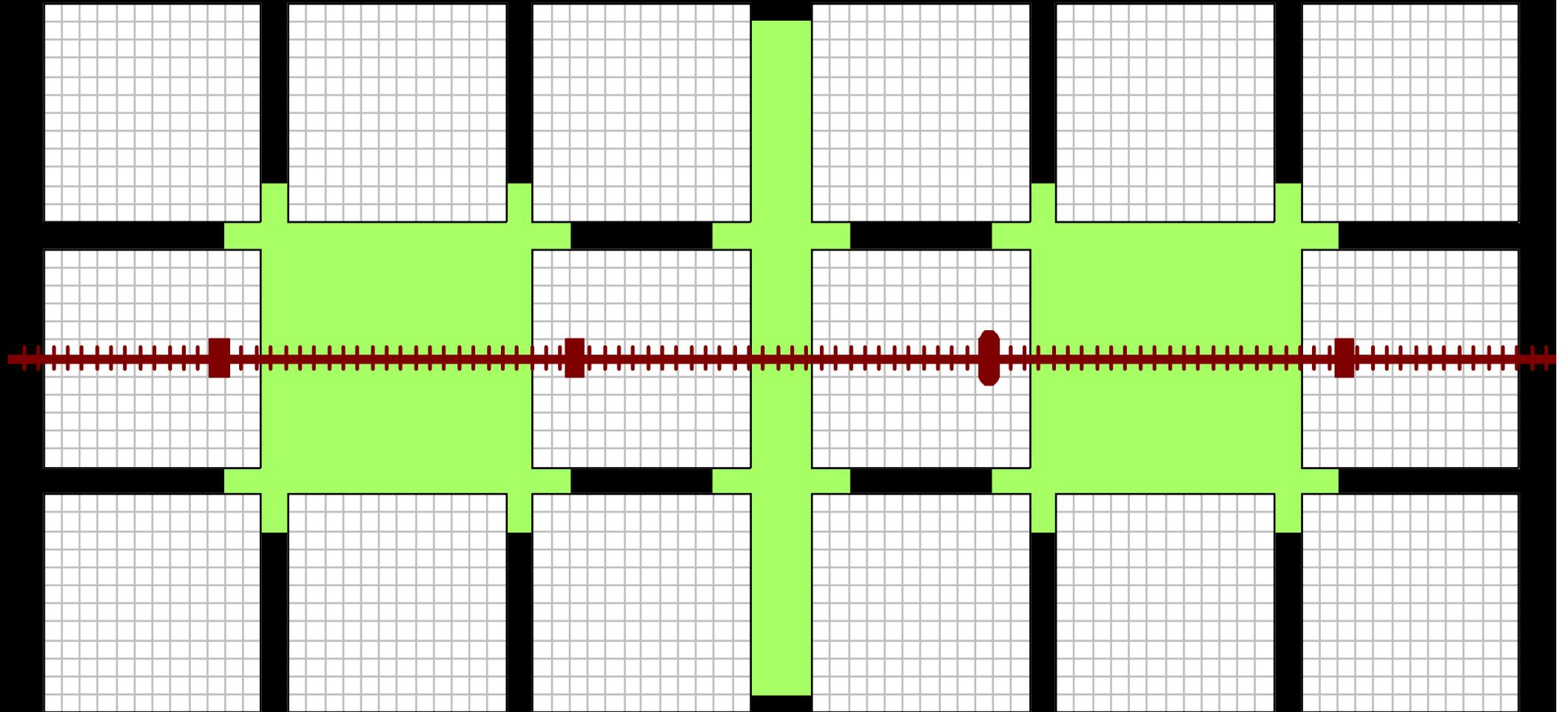
1.8 km



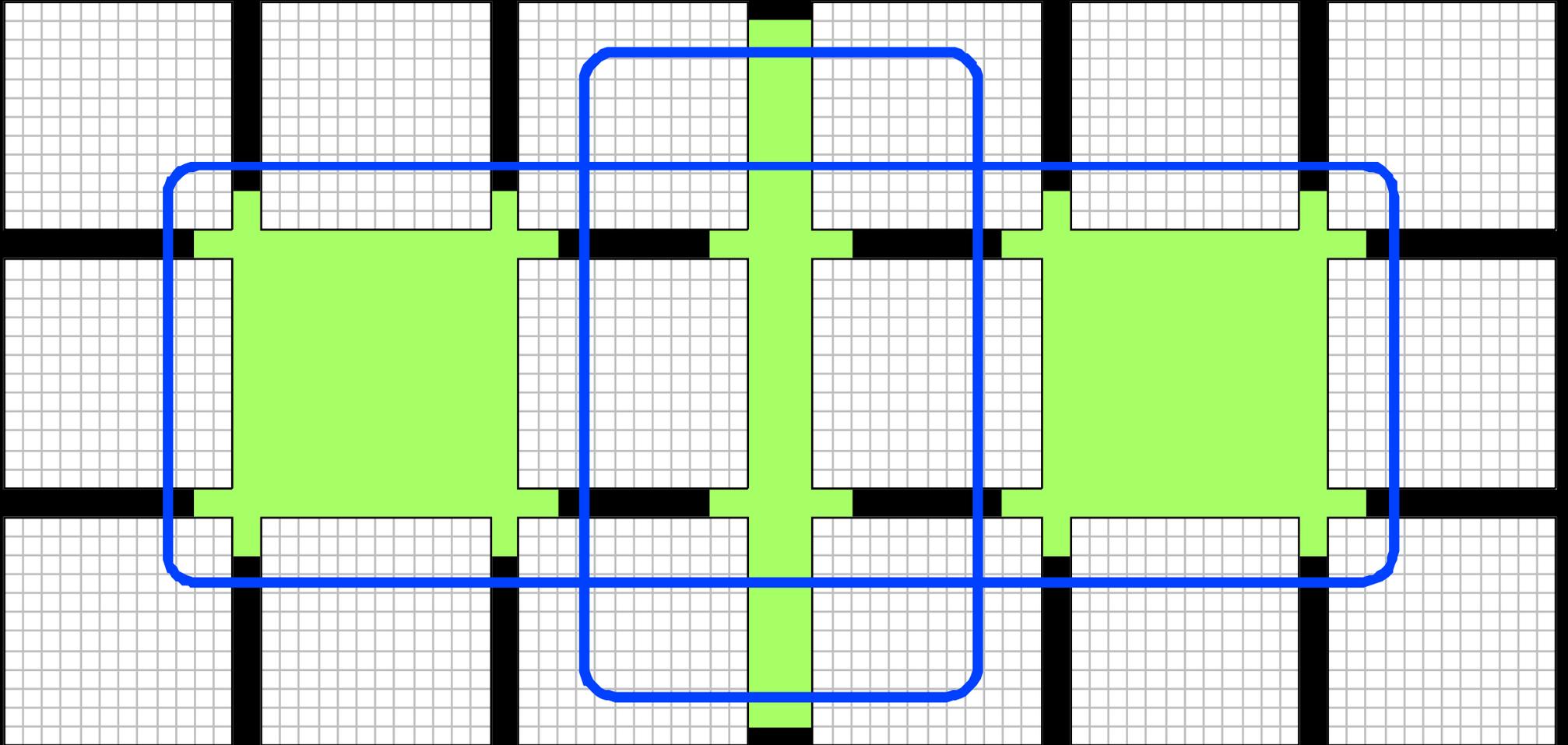
# schema di trasporto pubblico (griglia=300mt)



# rete di trasporto pubblico - ferrovia regionale

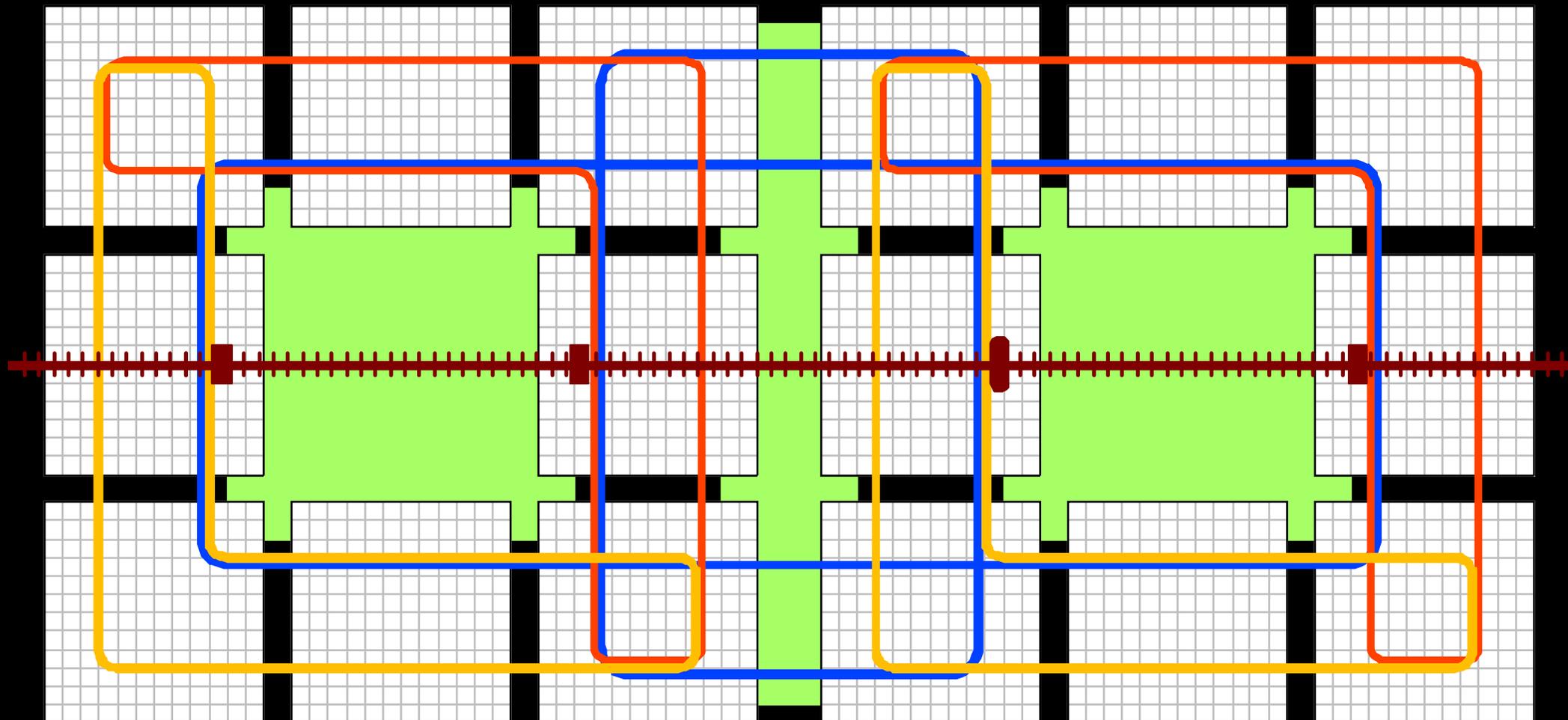


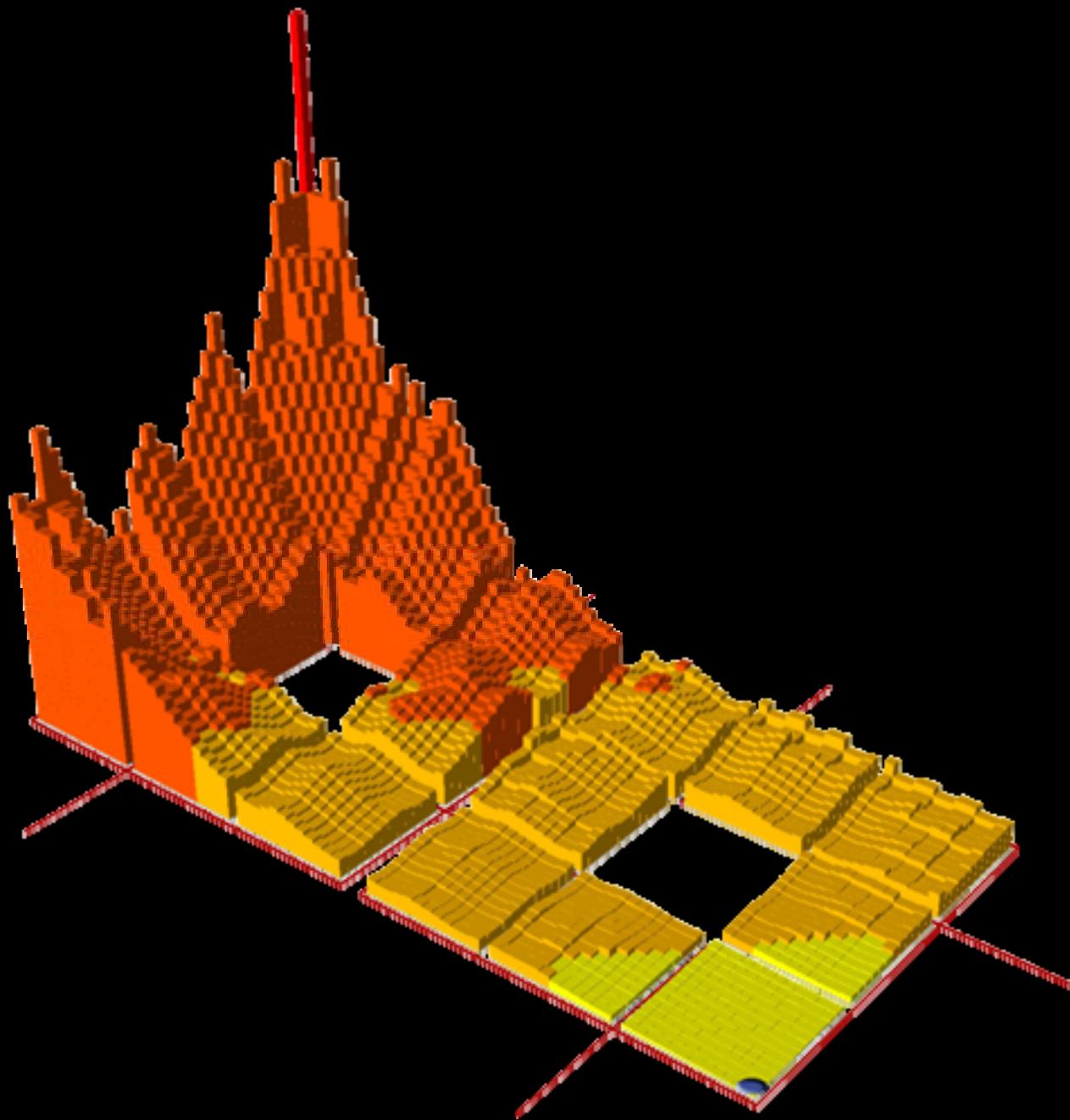
# rete di trasporto pubblico - metropolitana



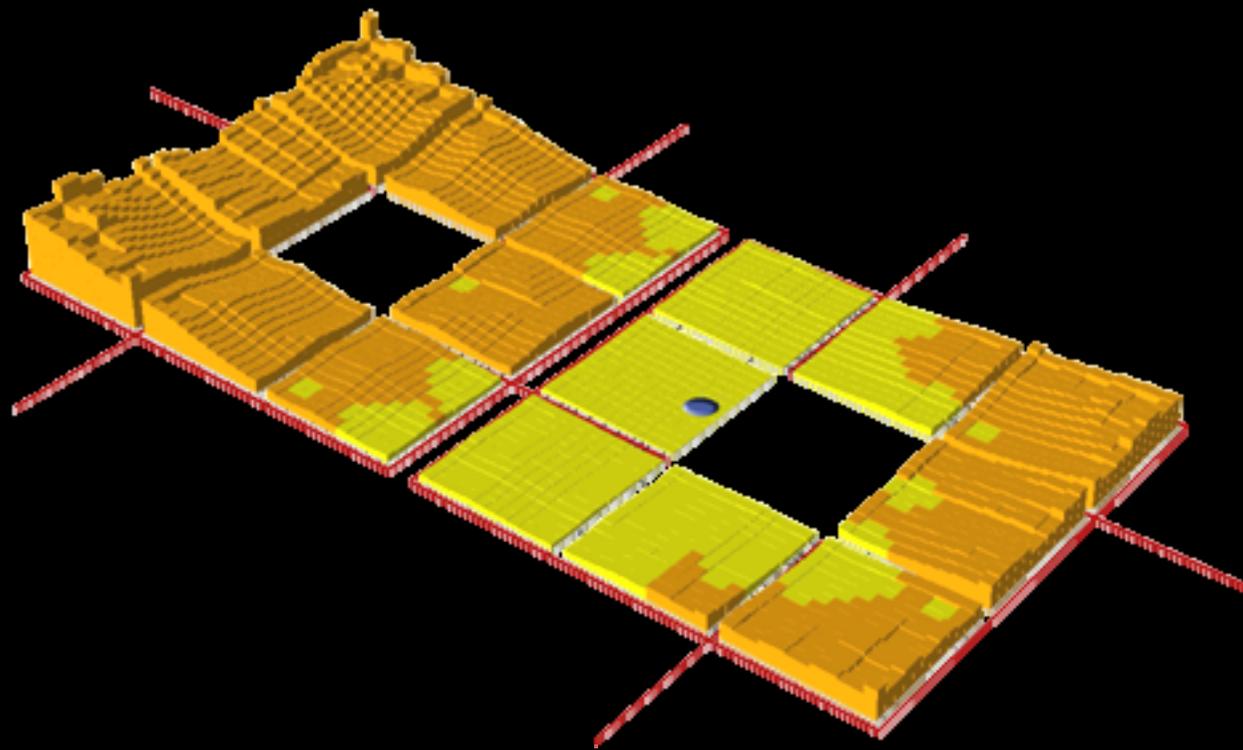


# rete di trasporto pubblico

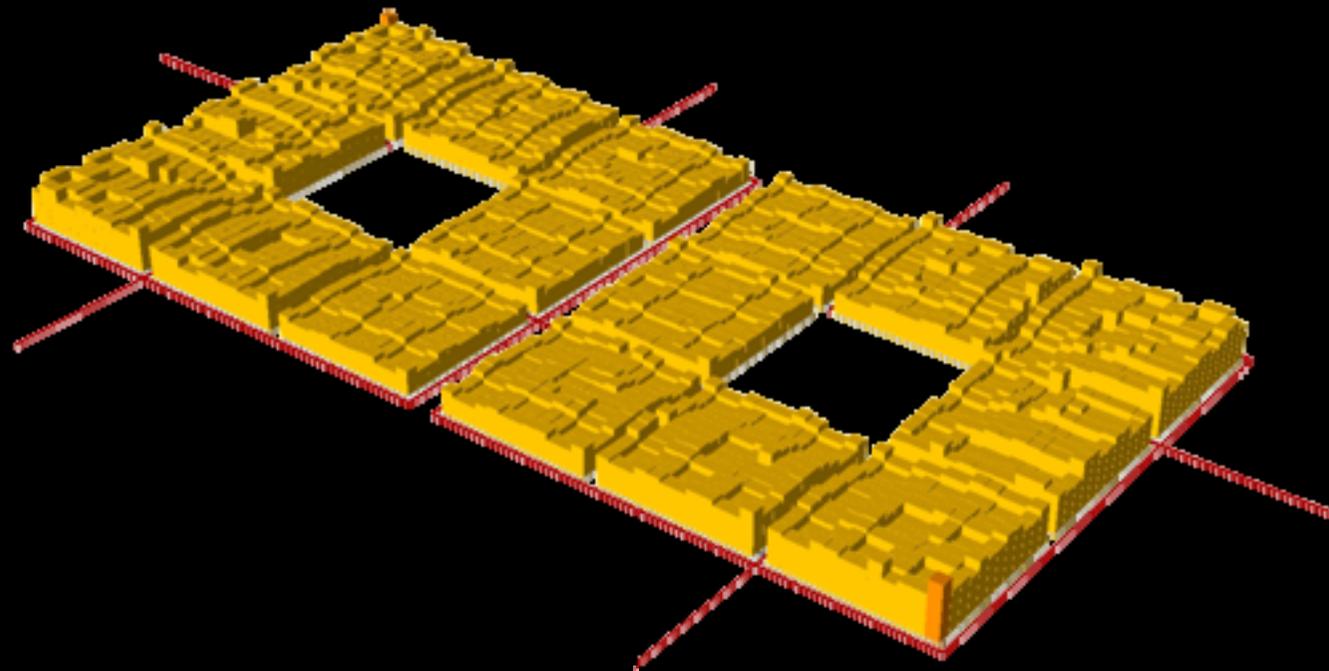




accessibilità con trasporto pubblico dal limite urbano: max 45'

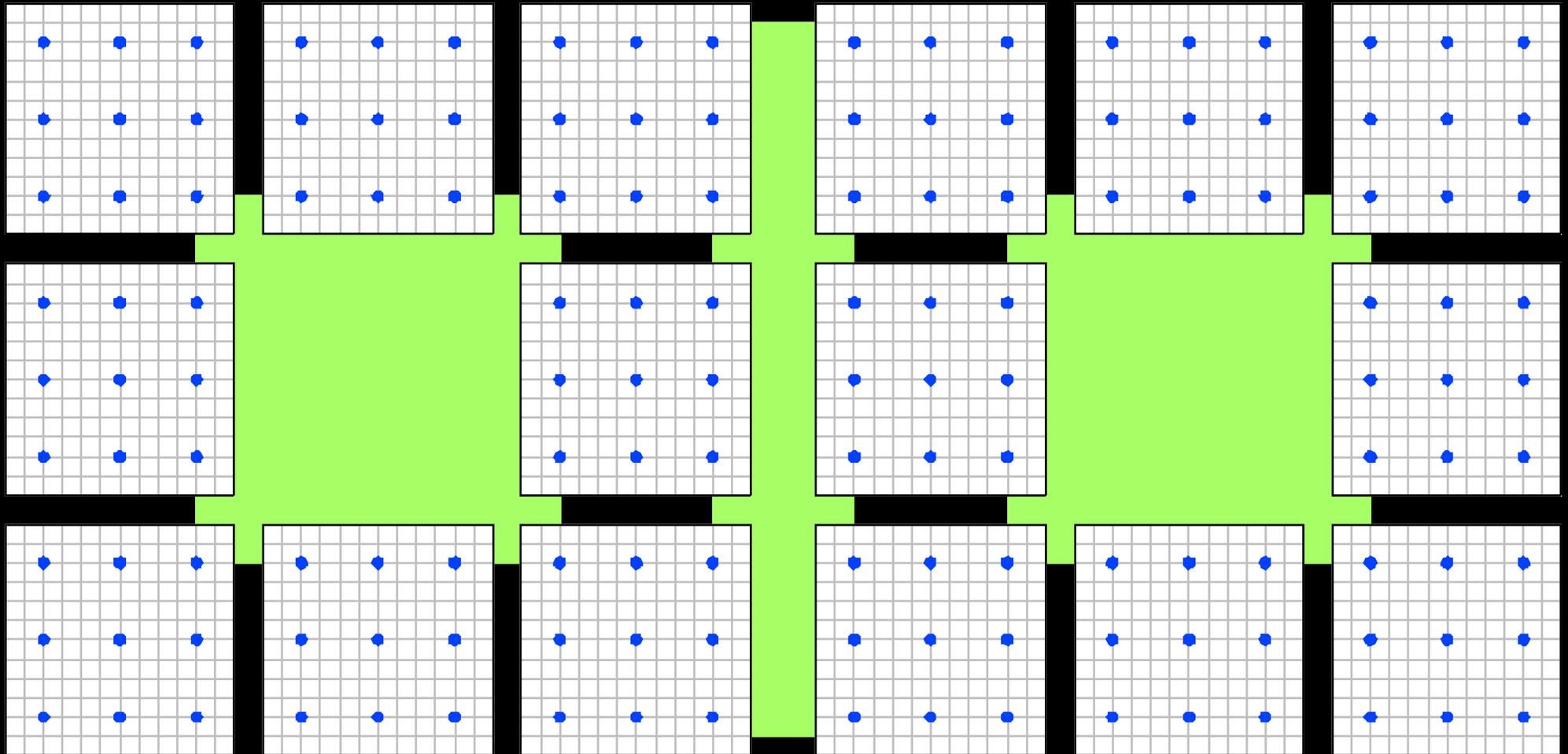


accessibilità con trasporto pubblico dalla stazione AV: max 30'



tempo medio con trasporto pubblico: 20'

# rete di trasporto pubblico & eco\_stazioni



# eco\_sistemi a noleggio nelle eco\_stazioni



# funzioni urbane: vecchia visione (distanza)

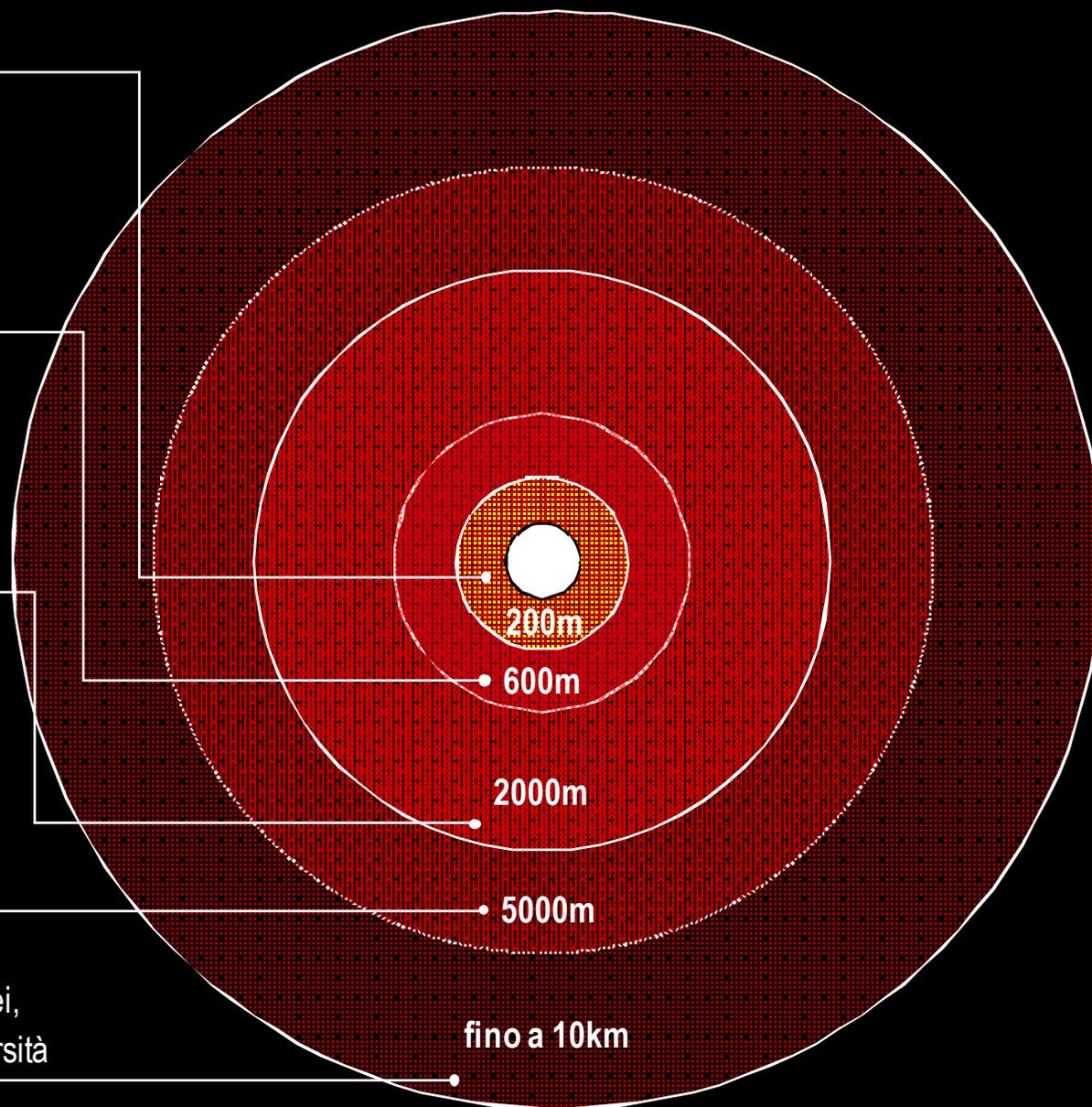
**Isolato:** verde, asilo, negozi

**Quartiere:** scuola elementare, ufficio postale, mercato di quartiere, centro sportivo, parco di quartiere

**Distretto:** centro medico, scuola media inferiore, chiesa/moschea, svago, galleria d'arte

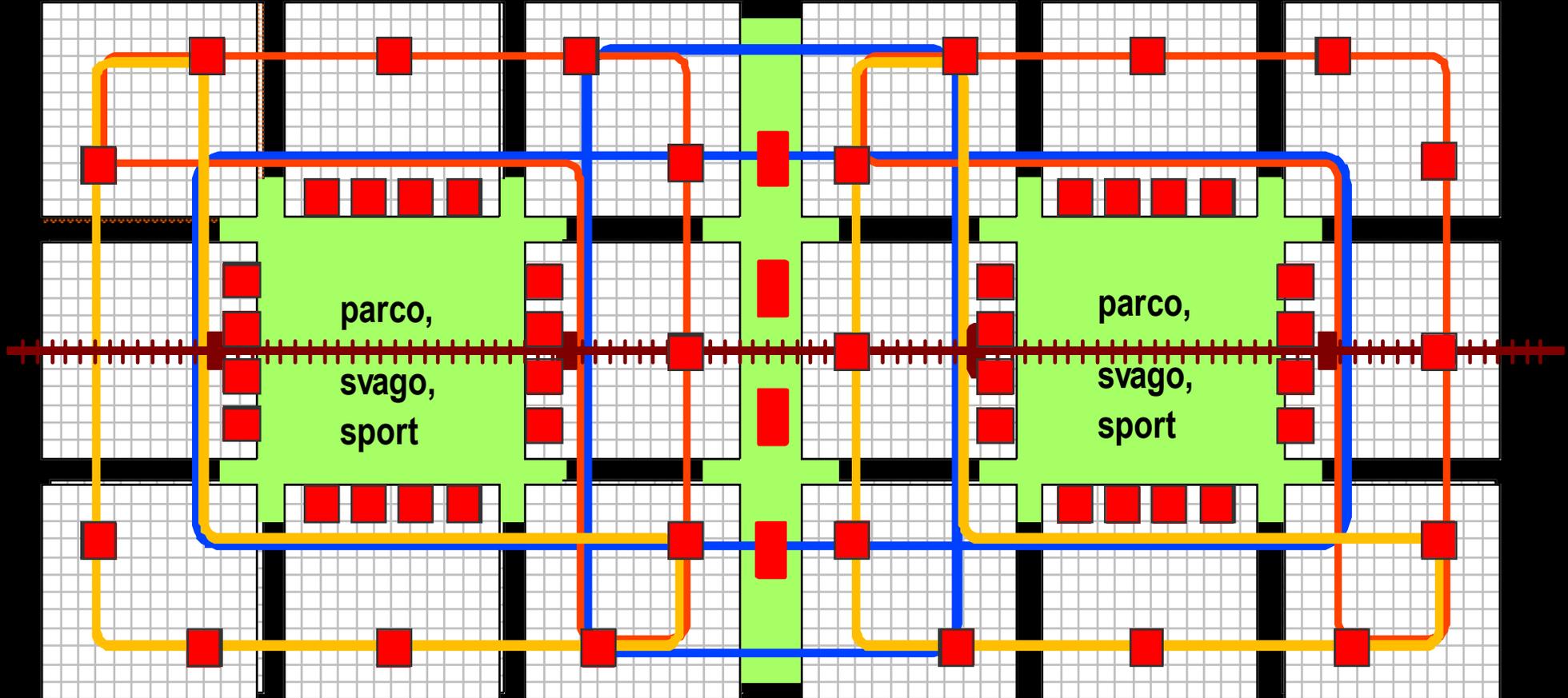
**Nucleo urbano:** scuola media superiore, parco, centro cultura/svago, ospedale generale

**Città vasta:** principali servizi urbani, grandi musei, centri congressi, grandi teatri, università



residential blocks, crèches, primary schools, secondary schools, offices, light industries, banks, hotels, post offices, retail and shopping hubs, sports halls, local parks, health centres, churches / mosques, places of leisure and libraries

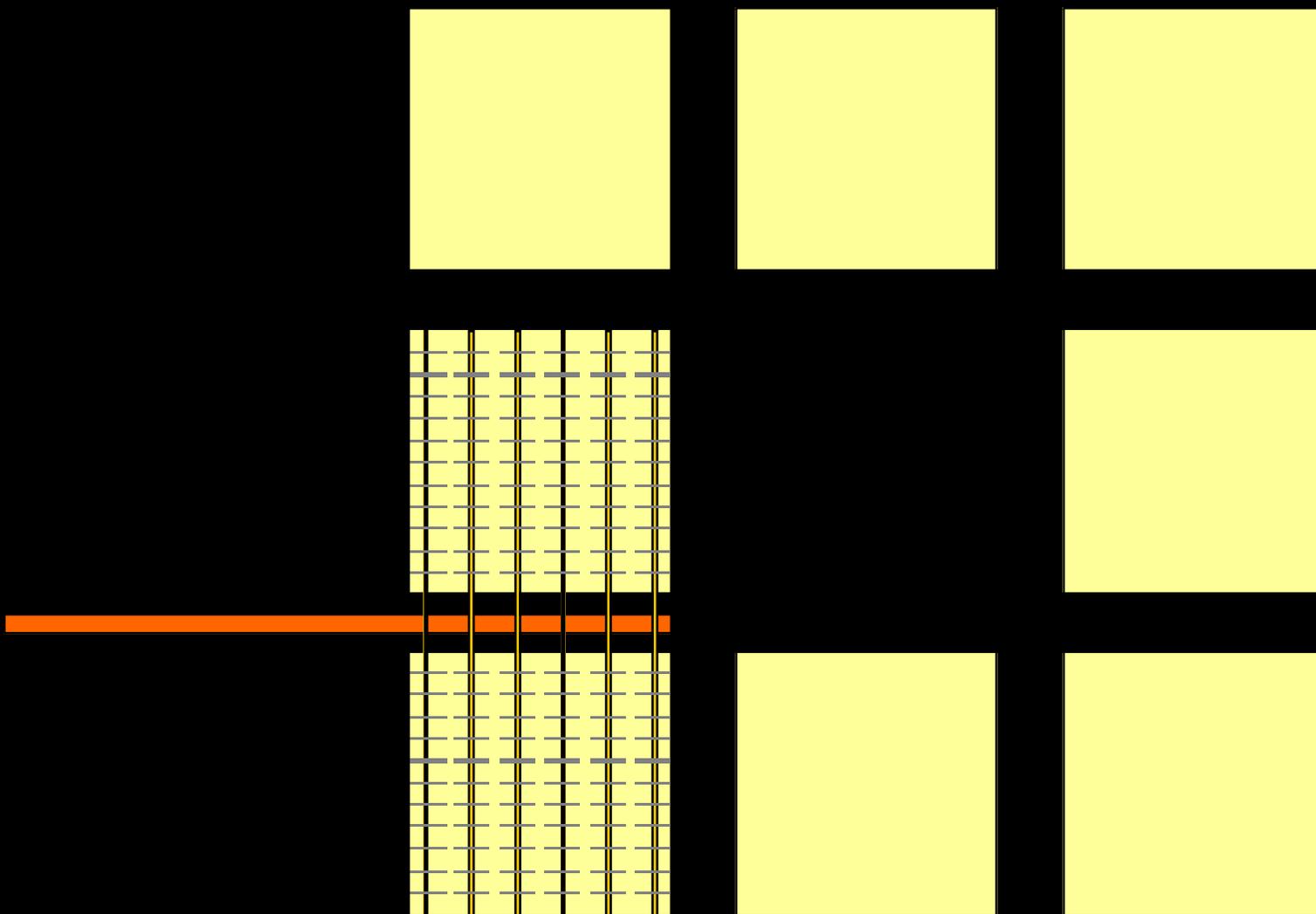
# funzioni urbane : nuova visione (tempo)



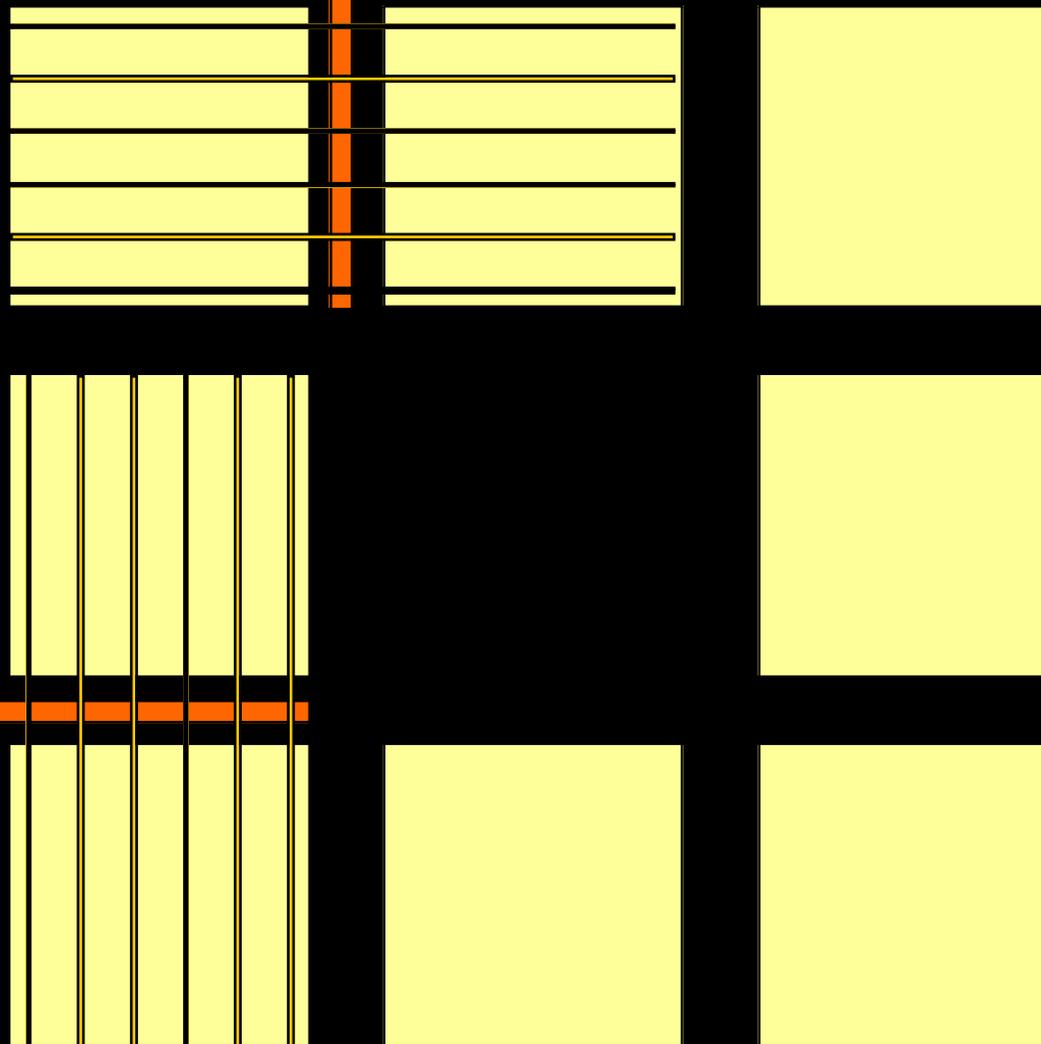
higher education centres, universities cultural centres, entertainment centres, general hospitals, major public facilities, key museums, city halls and major theatres

trade fairs, exhibition centres, logistic centres, heavy industries, transport depots, wholesalers, hypermarkets, cemeteries, etc.

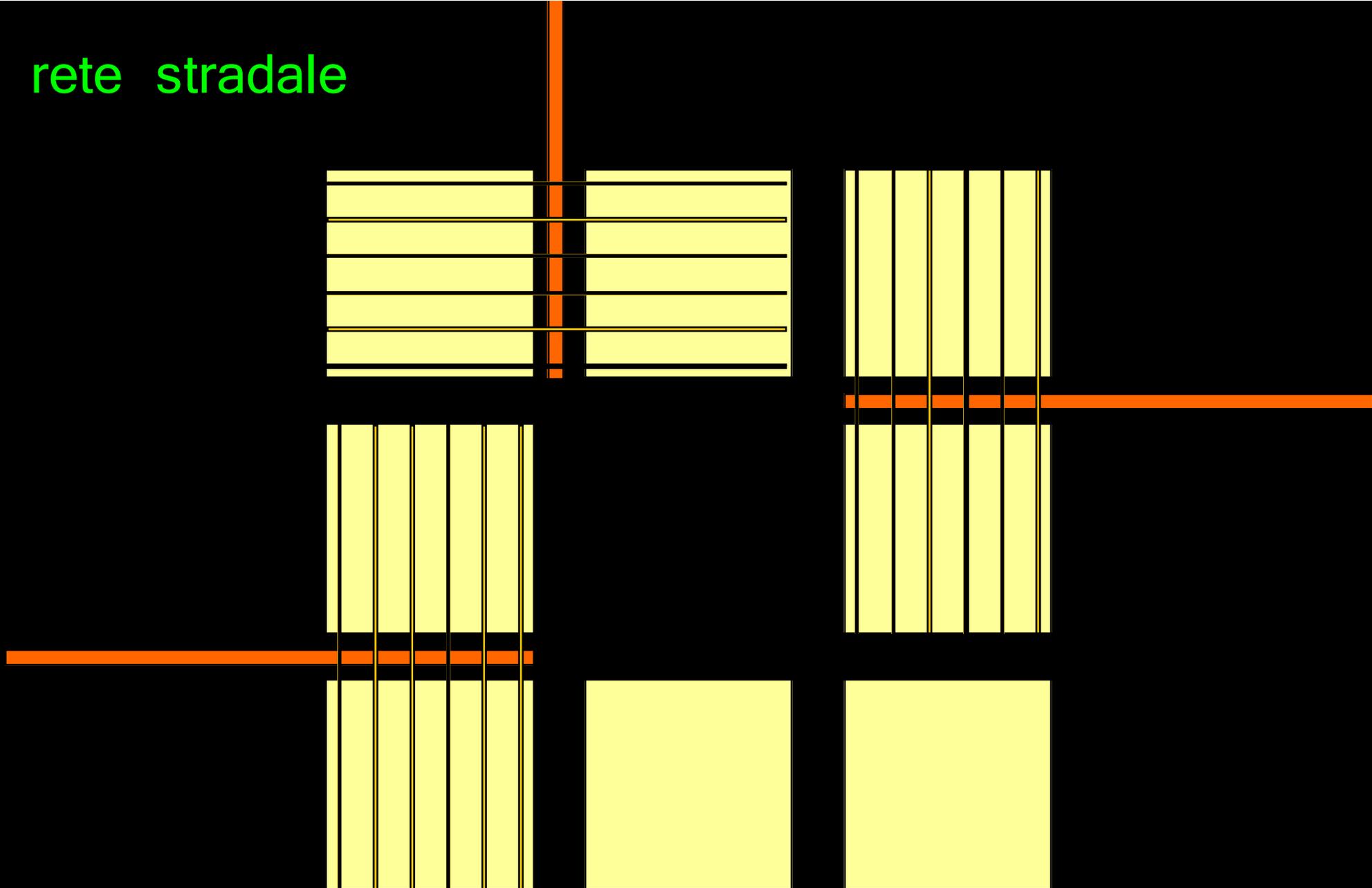
# rete stradale



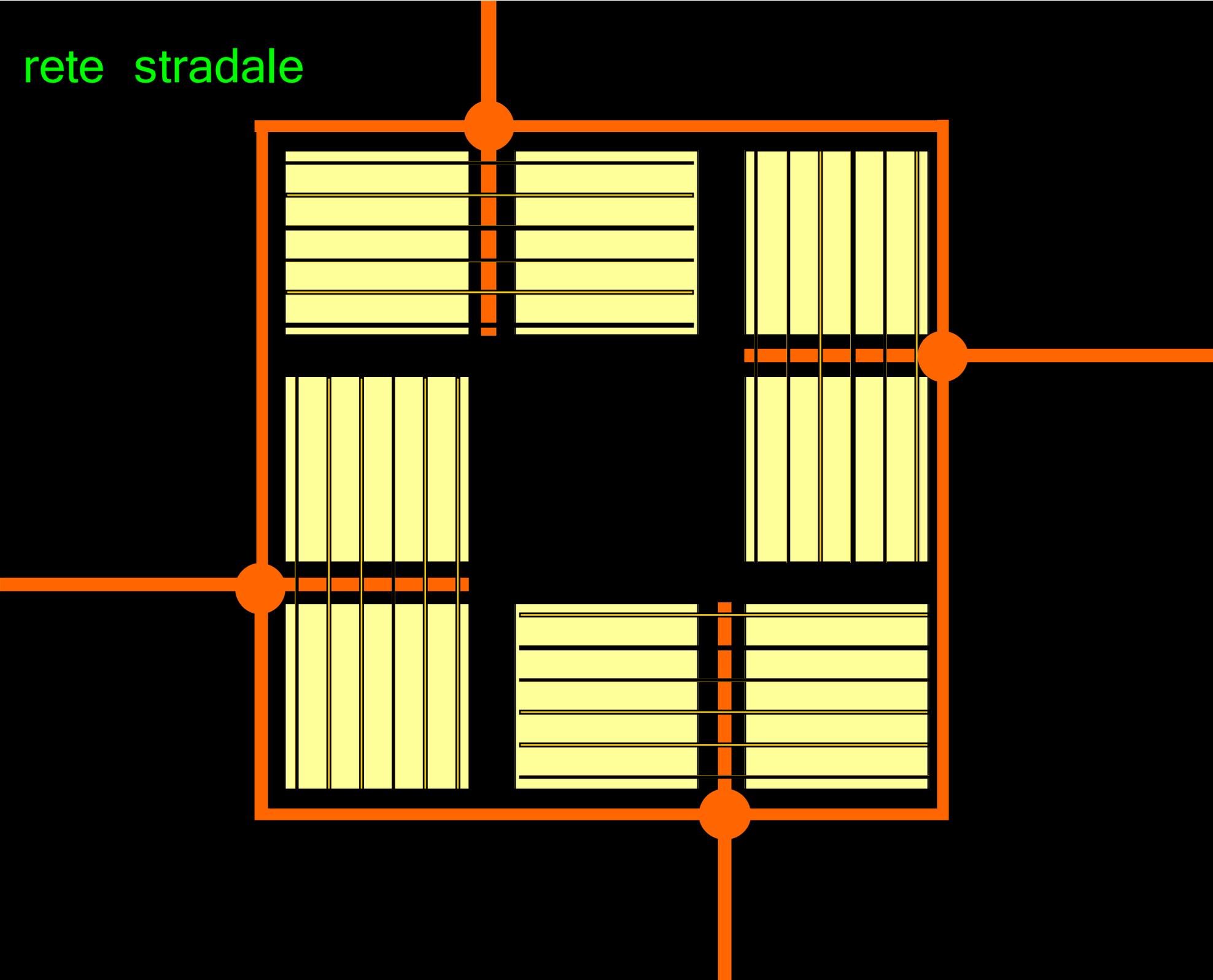
# rete stradale



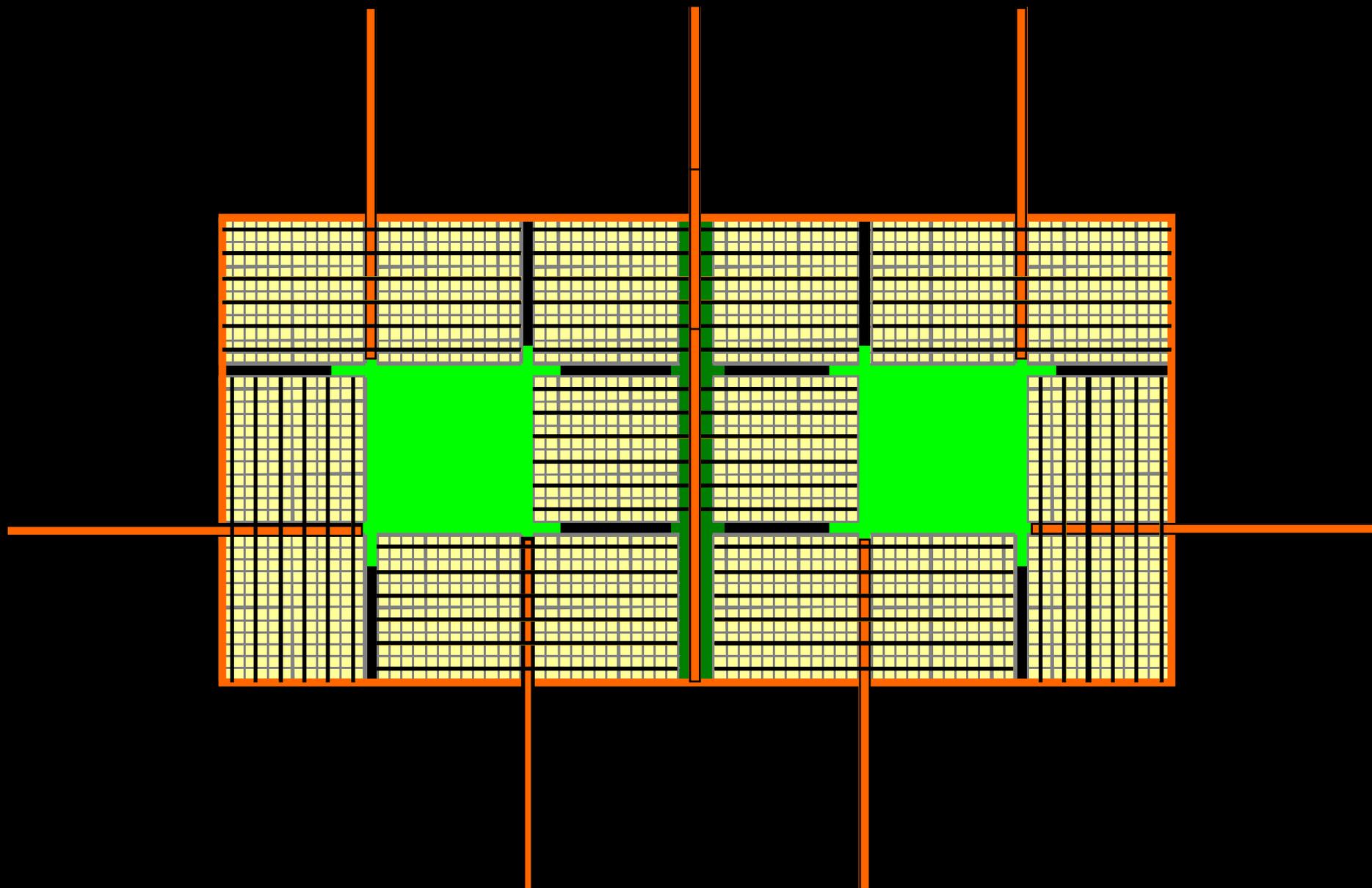
# rete stradale



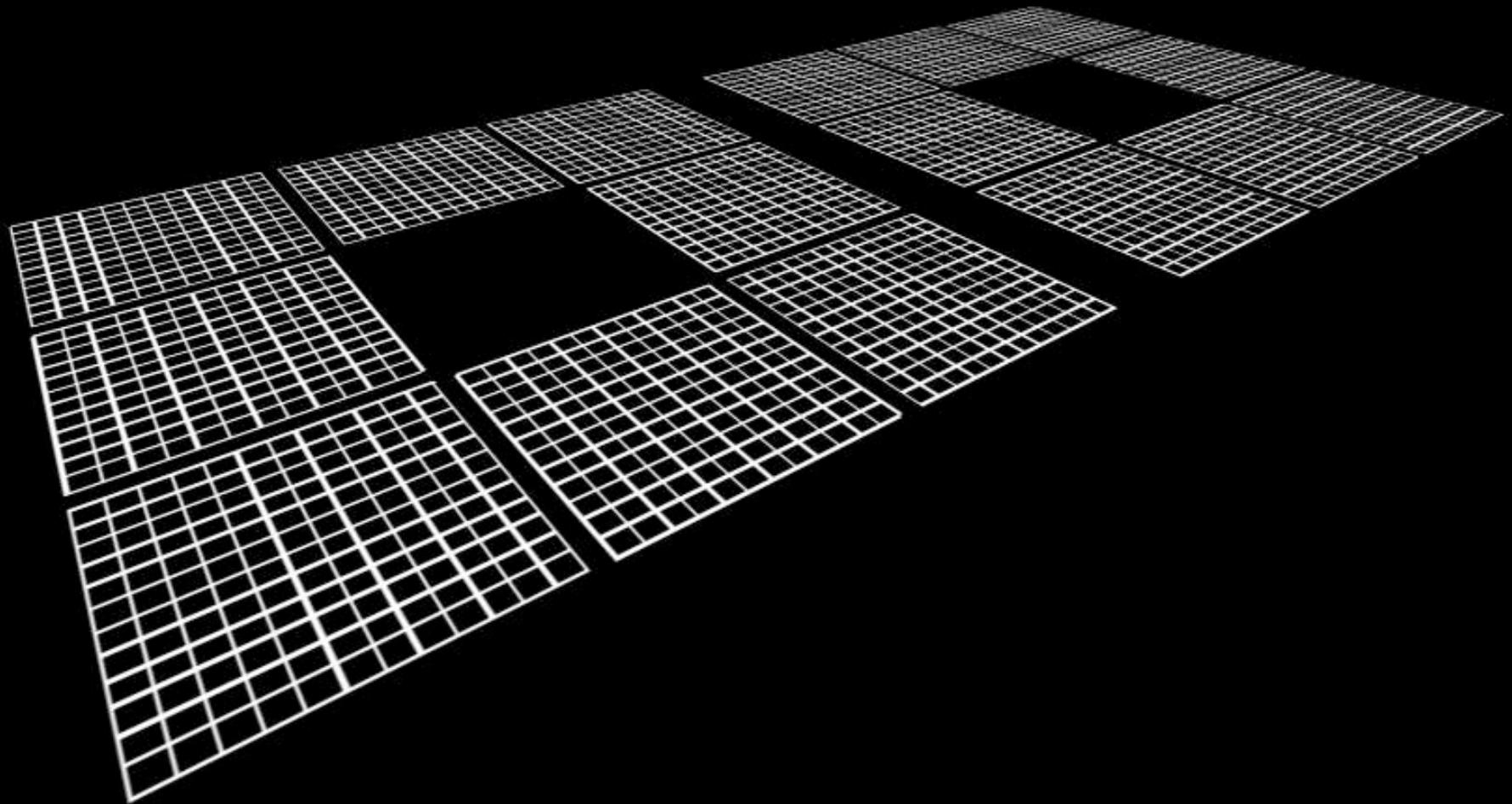
rete stradale



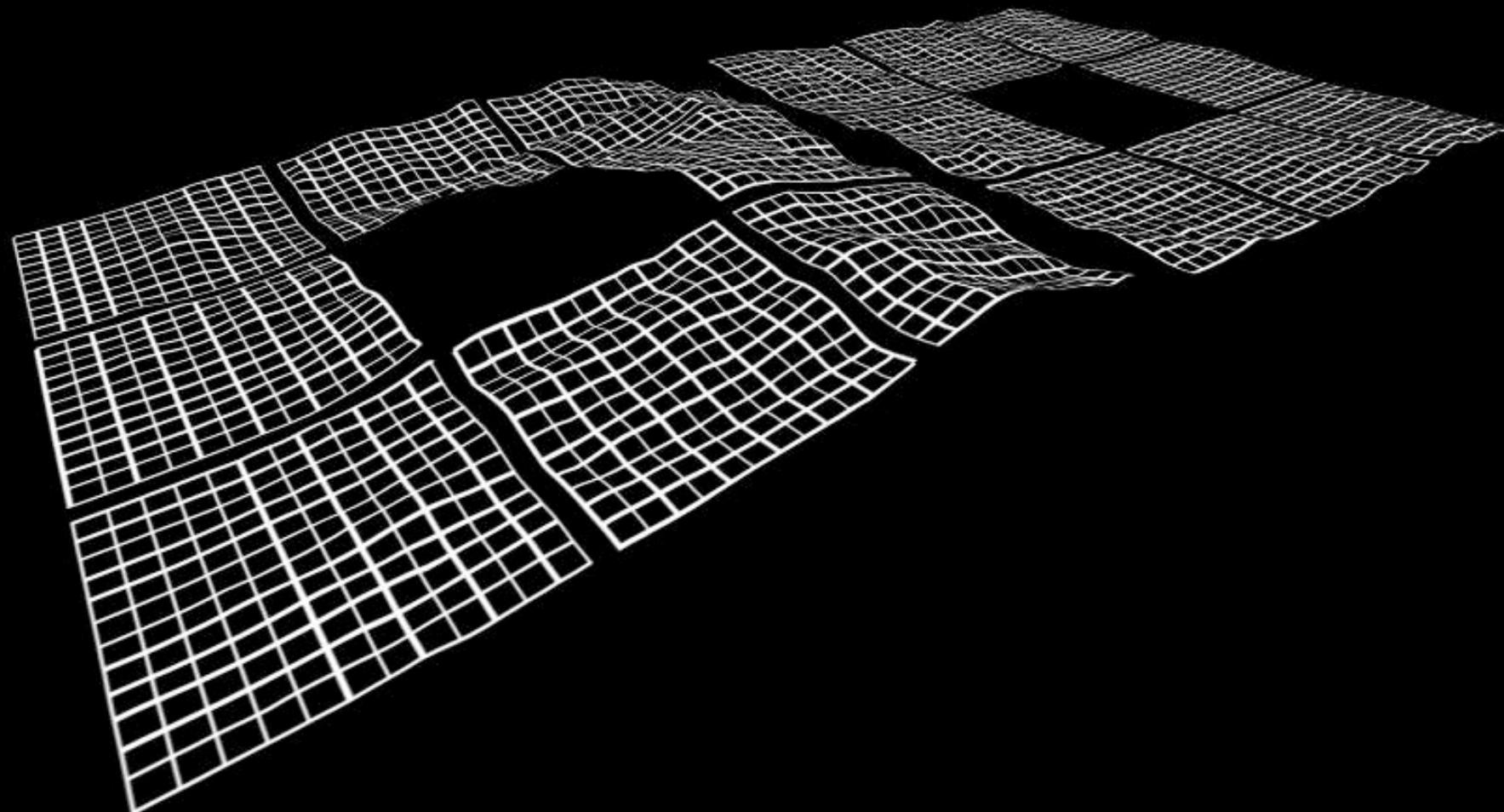
# rete stradale



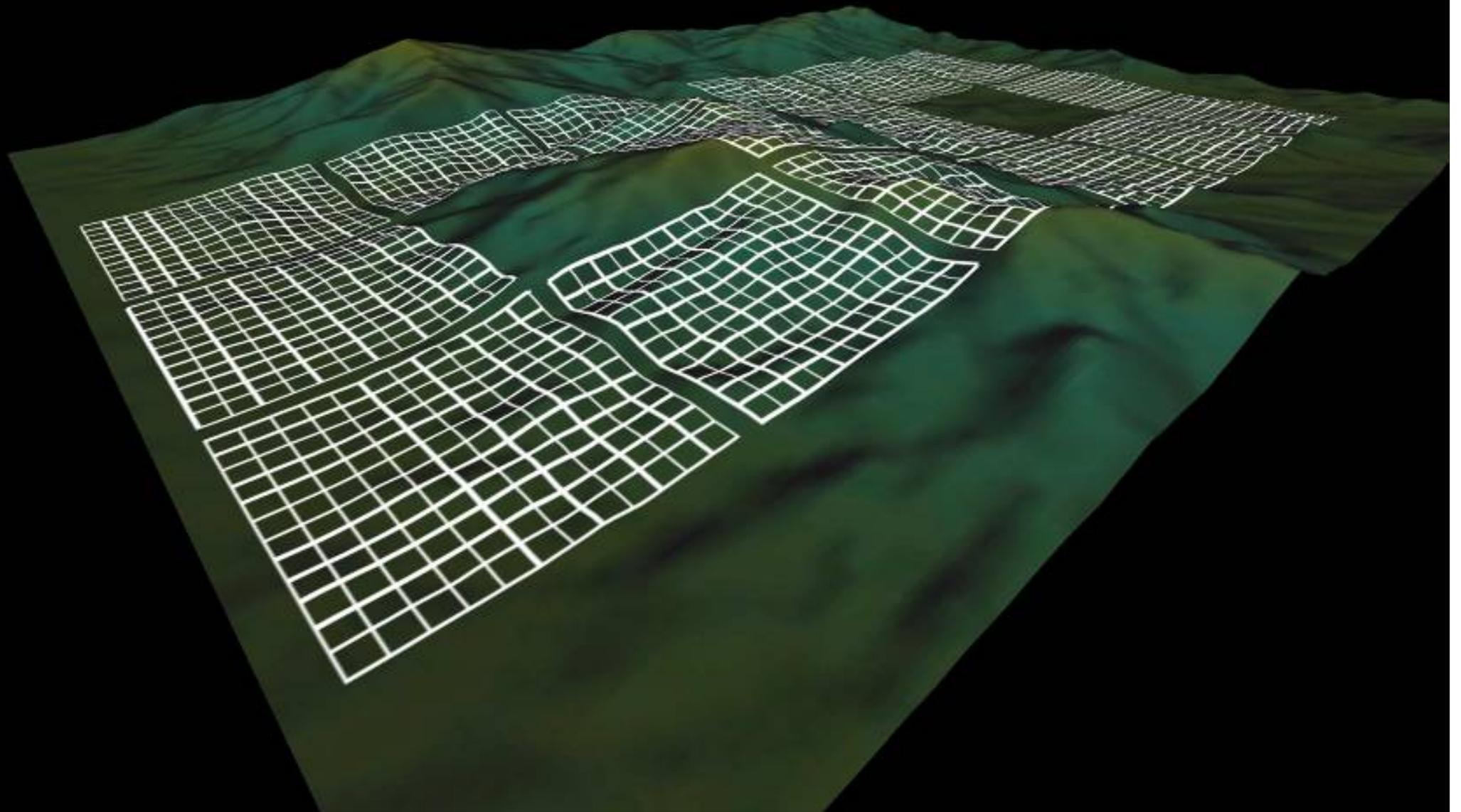
adattamento orografico



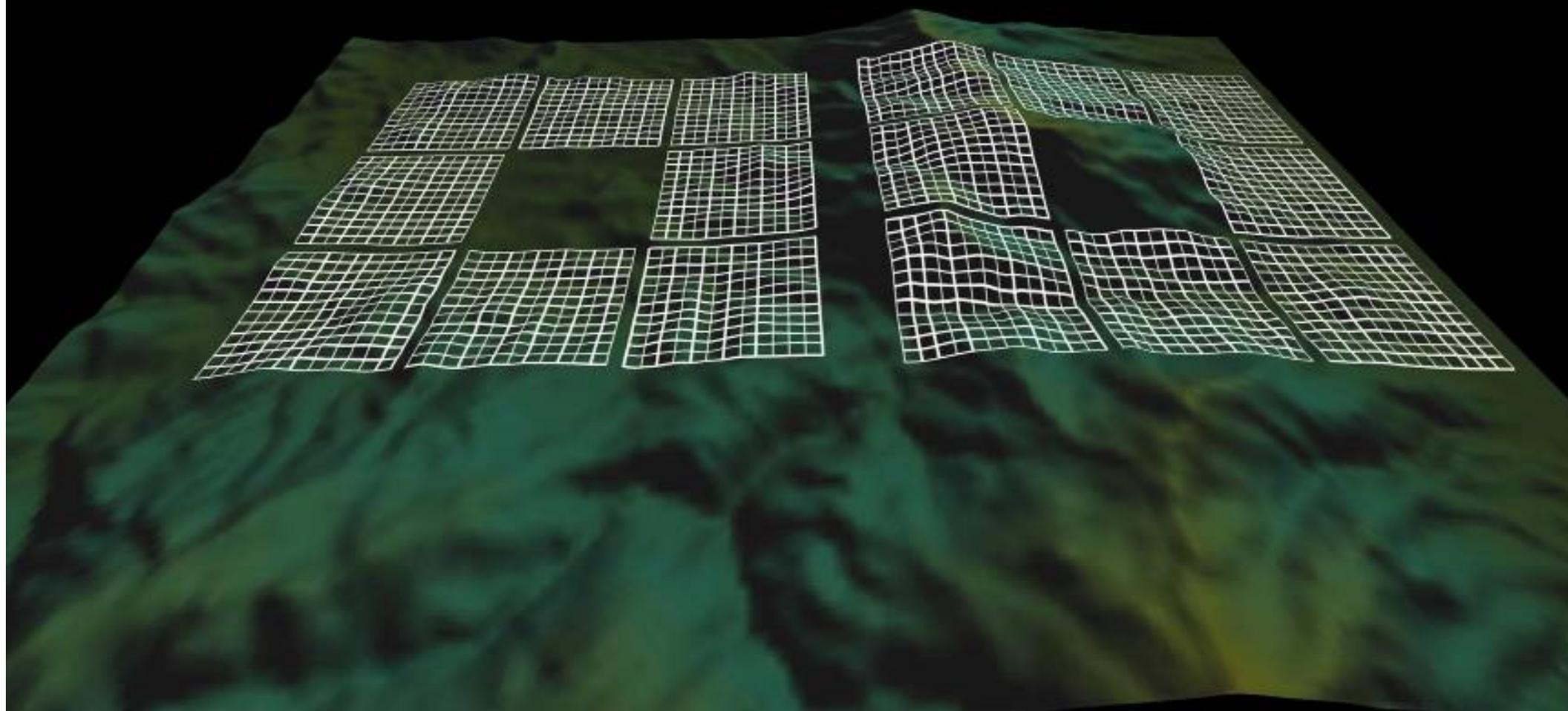
adattamento orografico



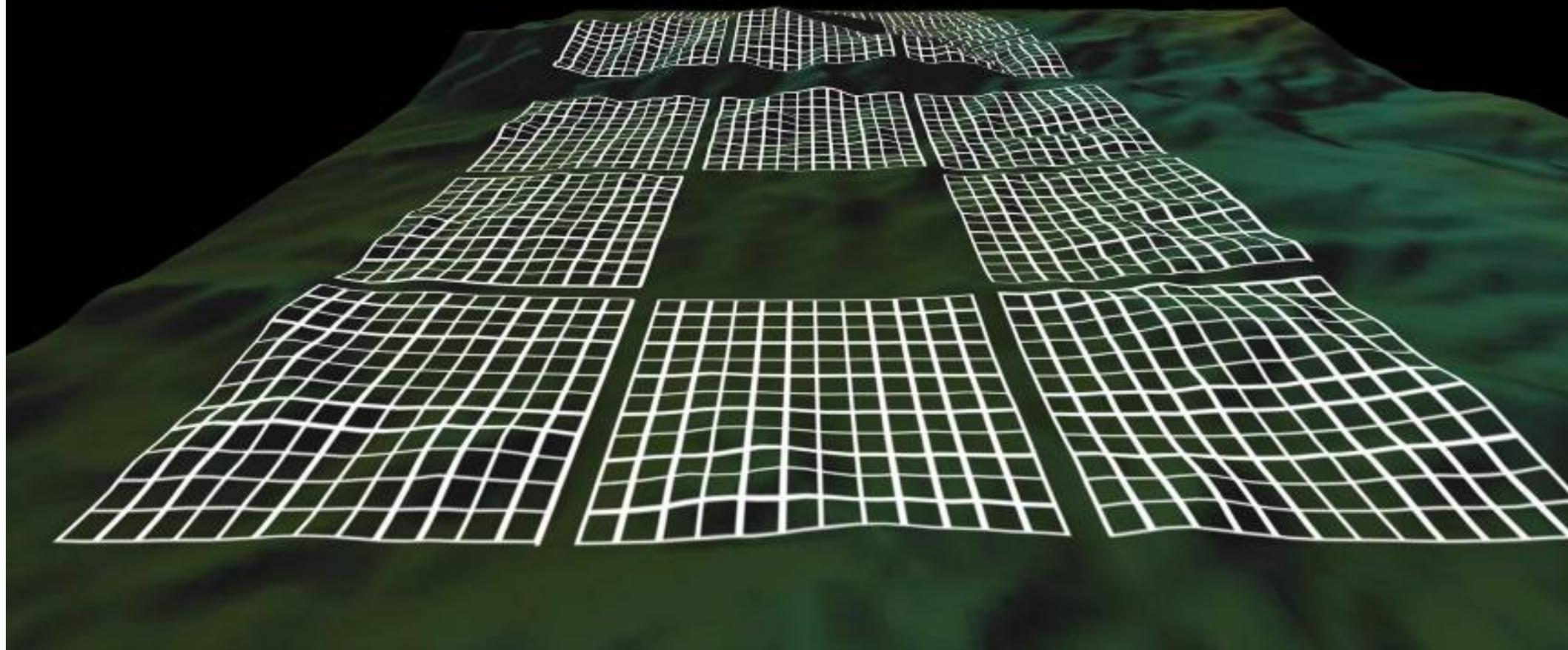
adattamento orografico



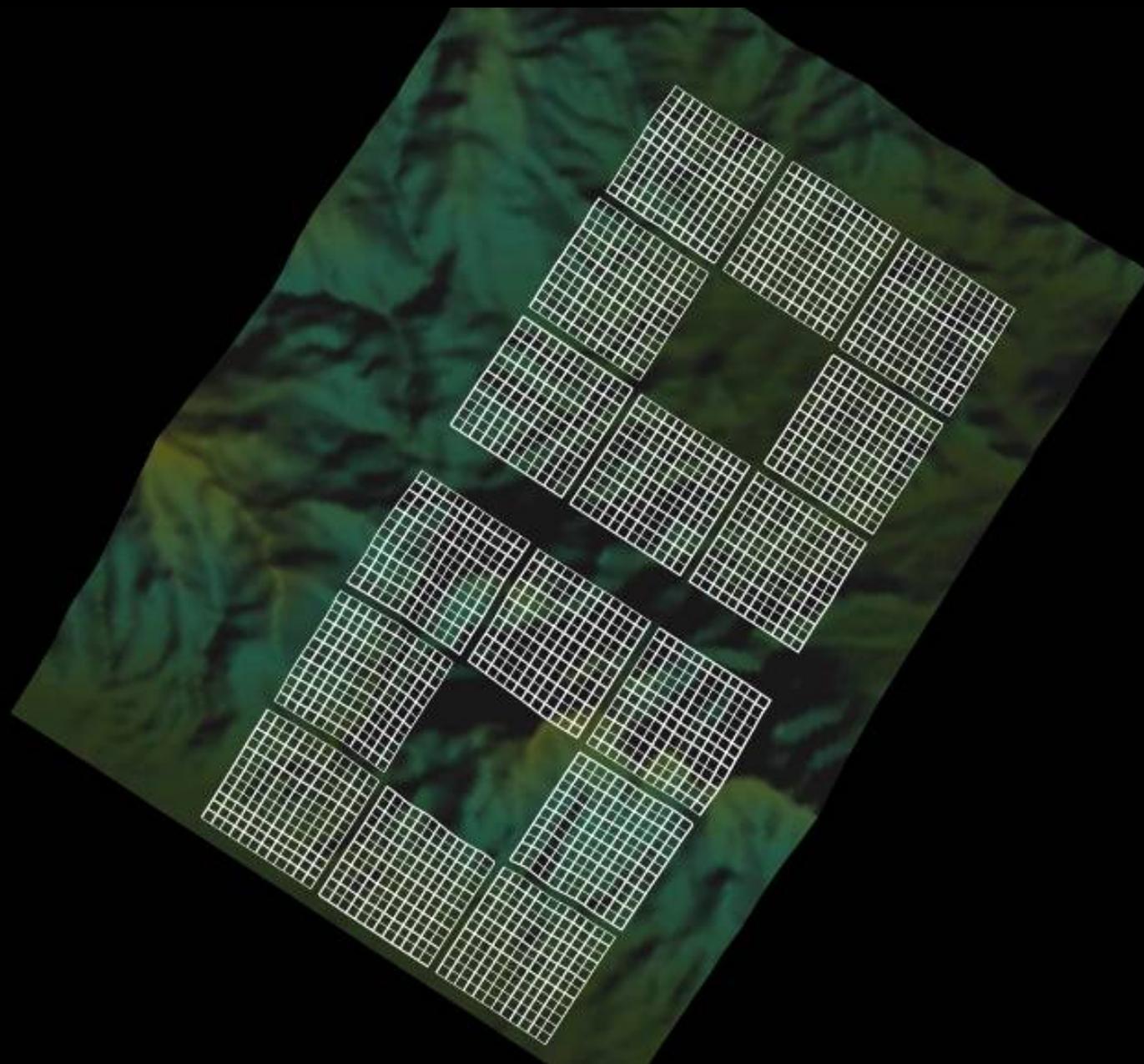
# adattamento orografico



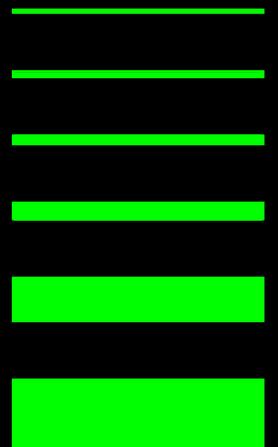
# adattamento orografico



# adattamento orografico



Khrónopolis si fonda  
su alcuni irrinunciabili  
principi:



**rispetta** la geografia, la storia, l'economia dei luoghi

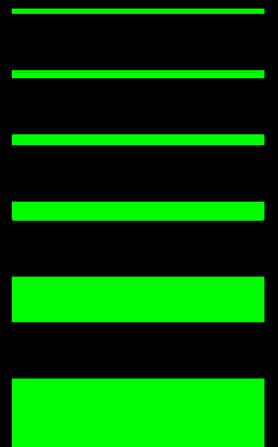
**privilegia** la mobilità pubblica, ma non elimina i mezzi di trasporto privati

**promuove** l'insediamento a elevata densità abitativa

**lascia libertà** di organizzazione volumetrica e spaziale

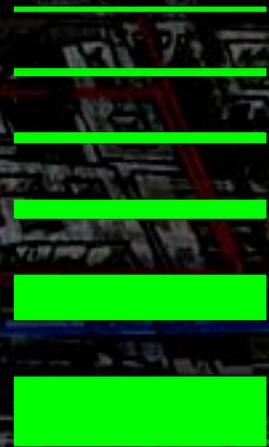
**definisce** il "centro" come luogo di attrazione parziale

**distribuisce** le funzioni in armonia con i sistemi di trasporto



visioni urbane

4



# visioni urbane di narinder sagoo f+p



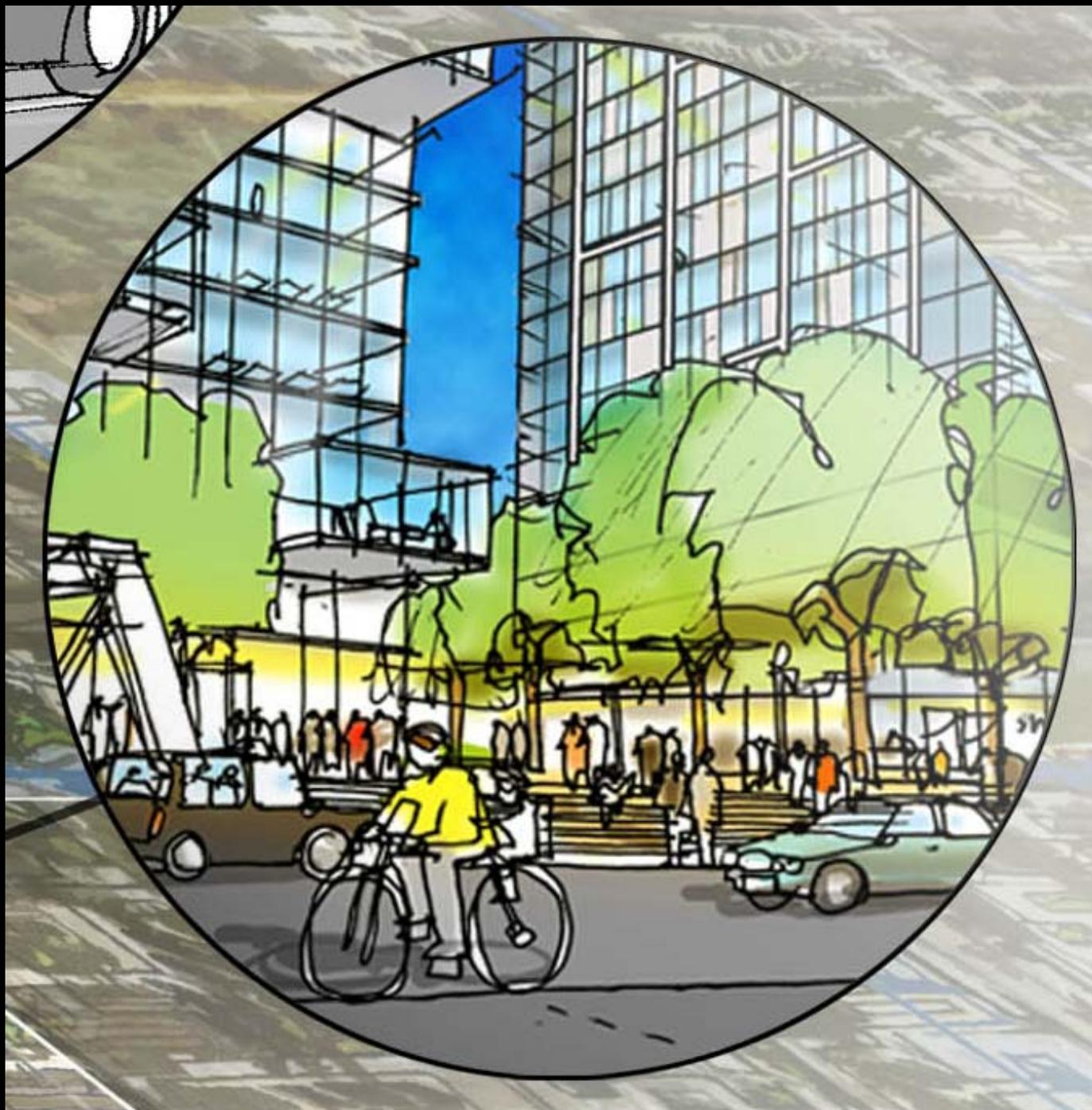
# visioni urbane di narinder sagoo f+p



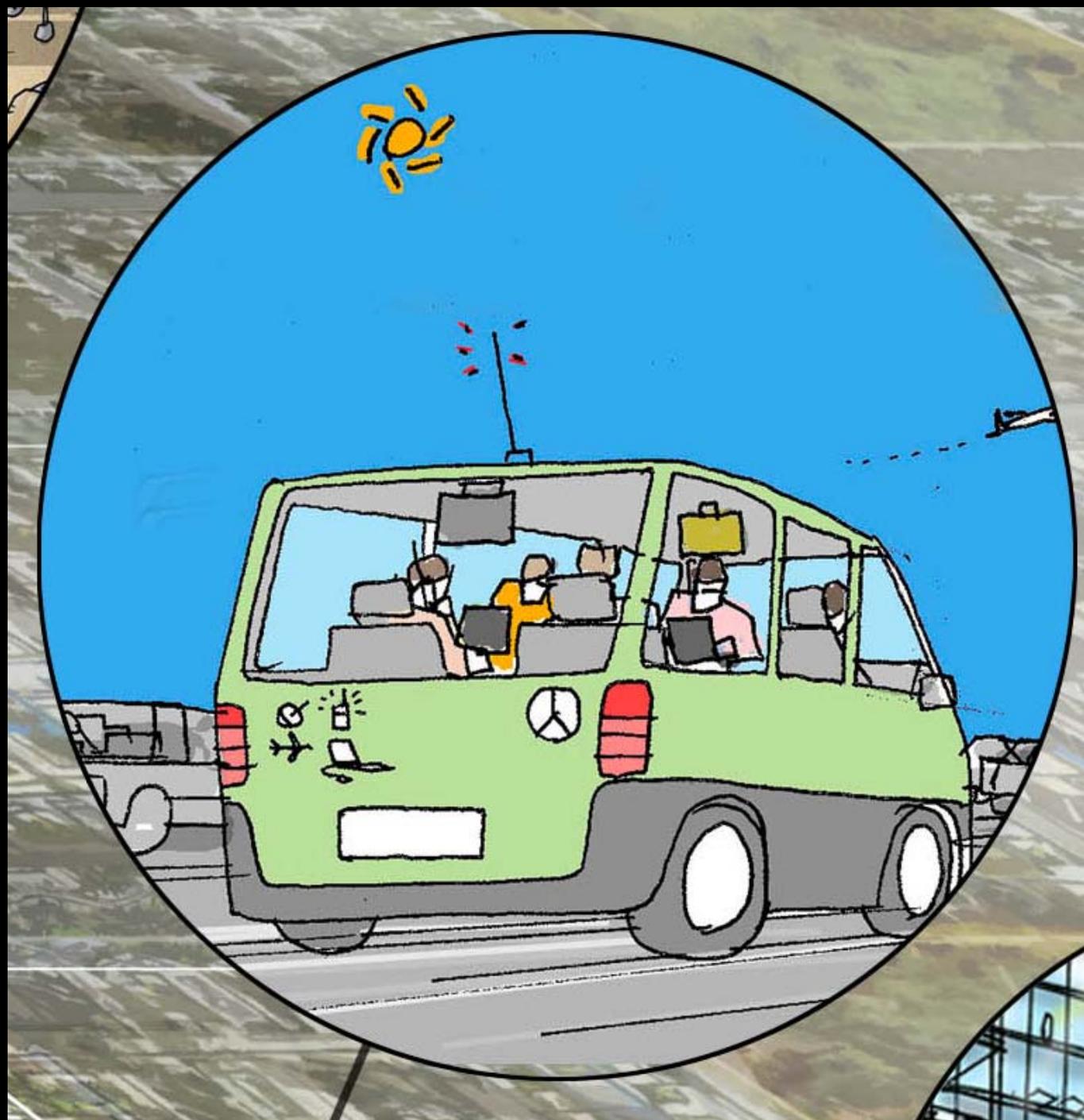
# visioni urbane di narinder sagoo f+p



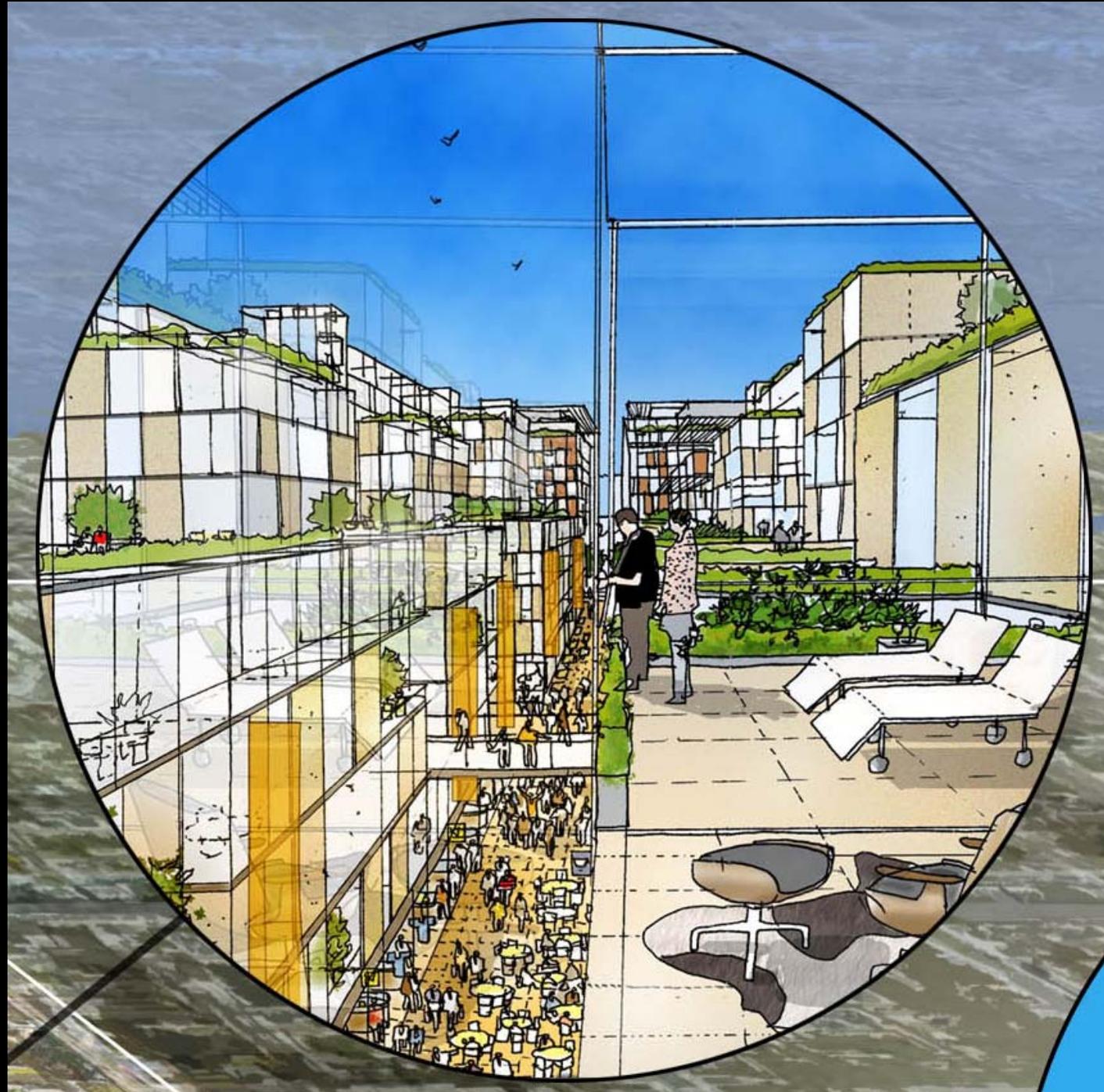
# visioni urbane di narinder sagoo f+p



visioni urbane di narinder sagoo f+p



# visioni urbane di narinder sagoo f+p



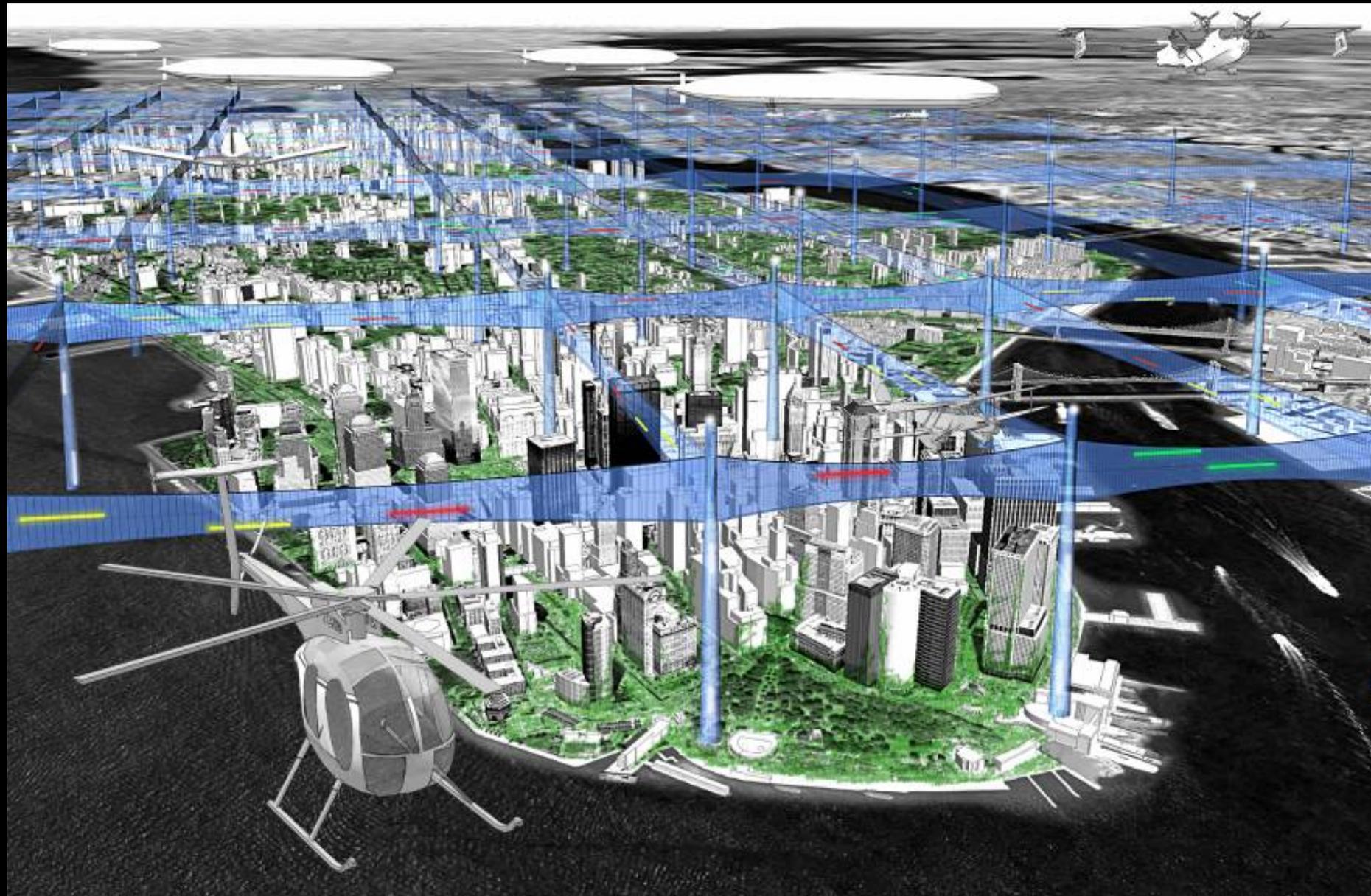
# visioni urbane di narinder sagoo f+p



# visioni urbane di narinder sagoo f+p

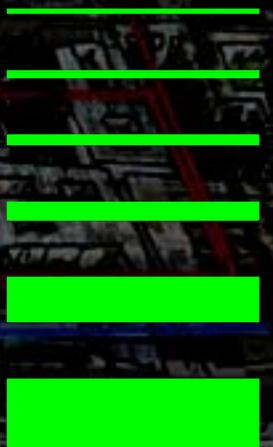


# visioni urbane di davide costa rsh+p



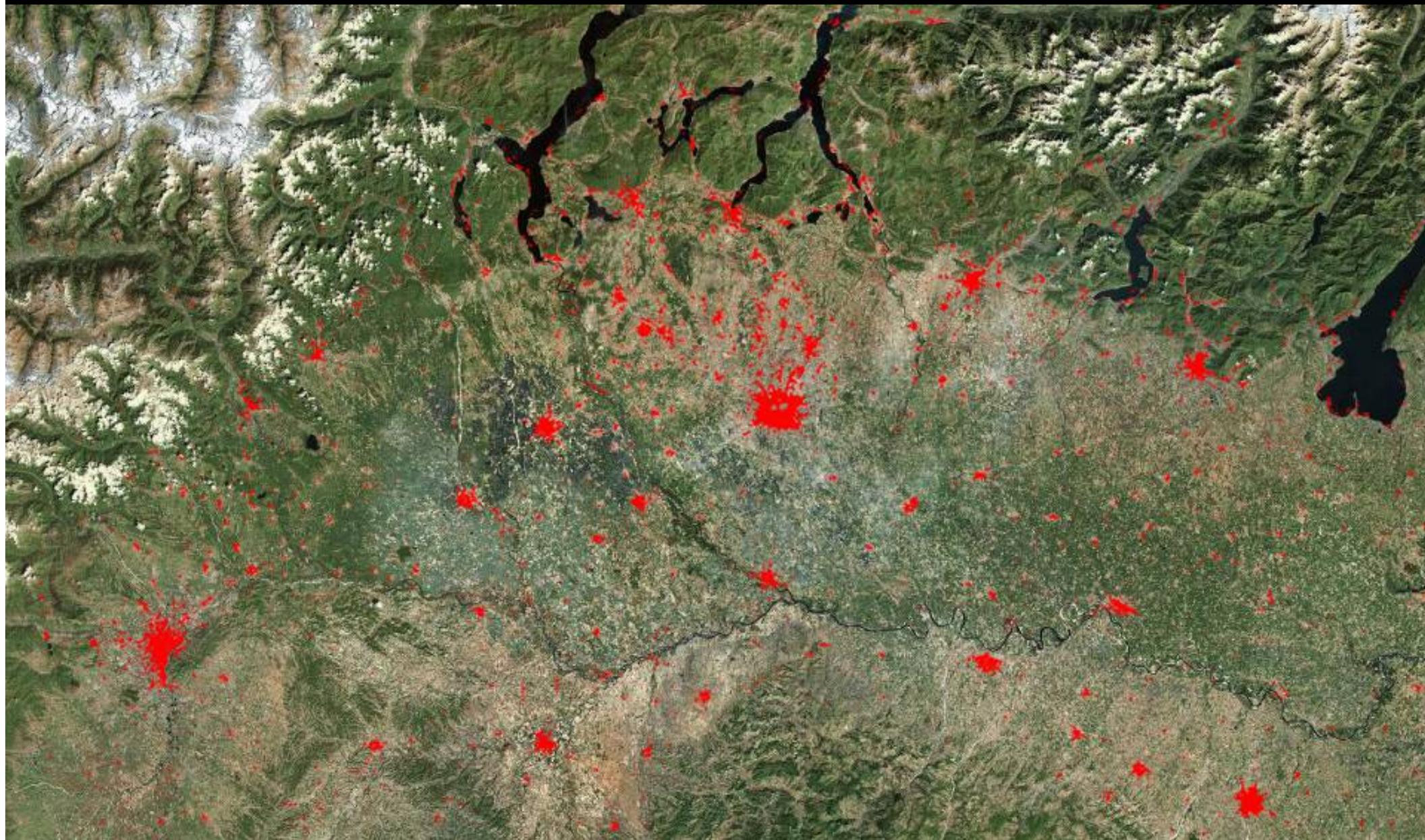
la via del policentrismo  
regionale

5



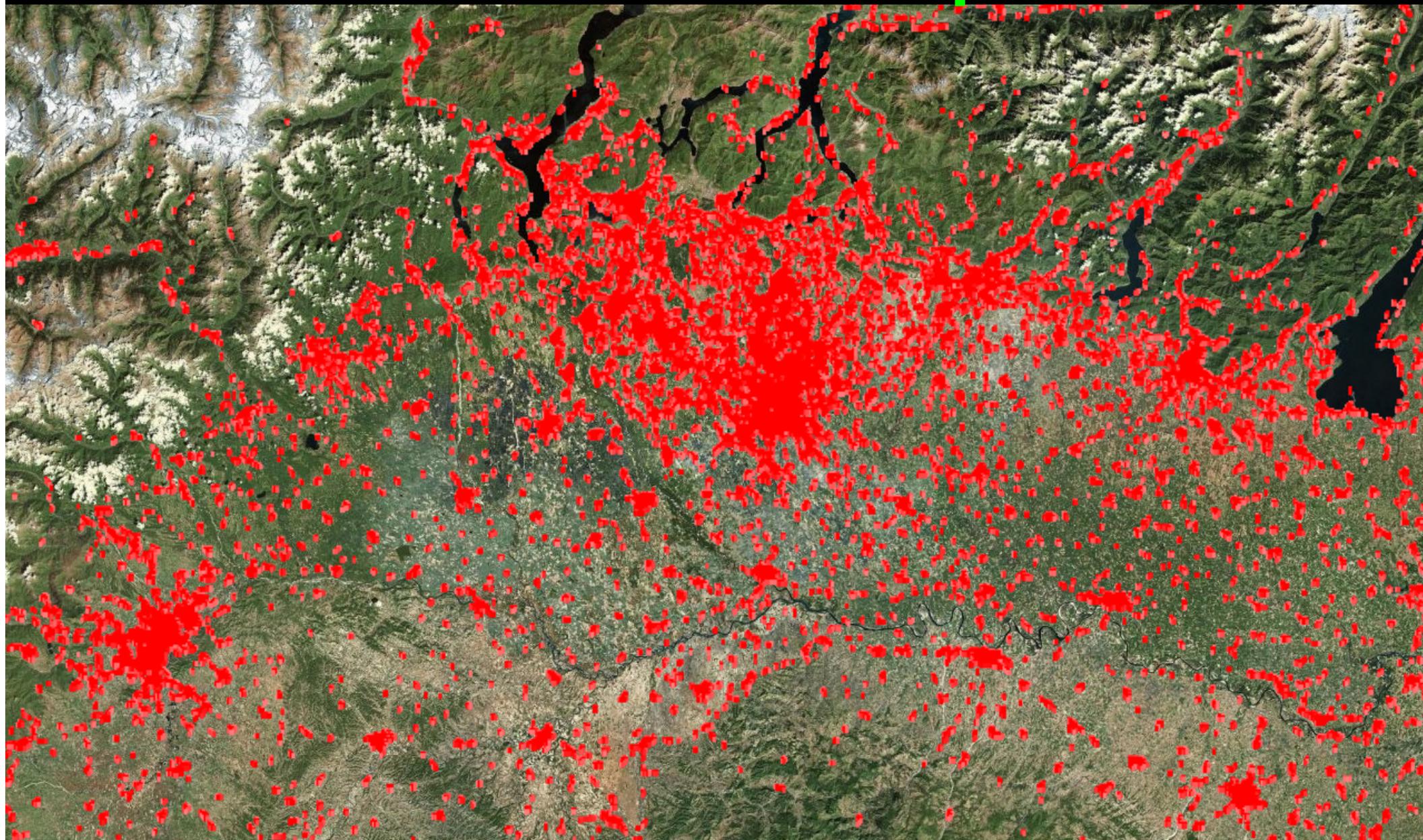
*mappa insediamenti 1965*

**crescita**



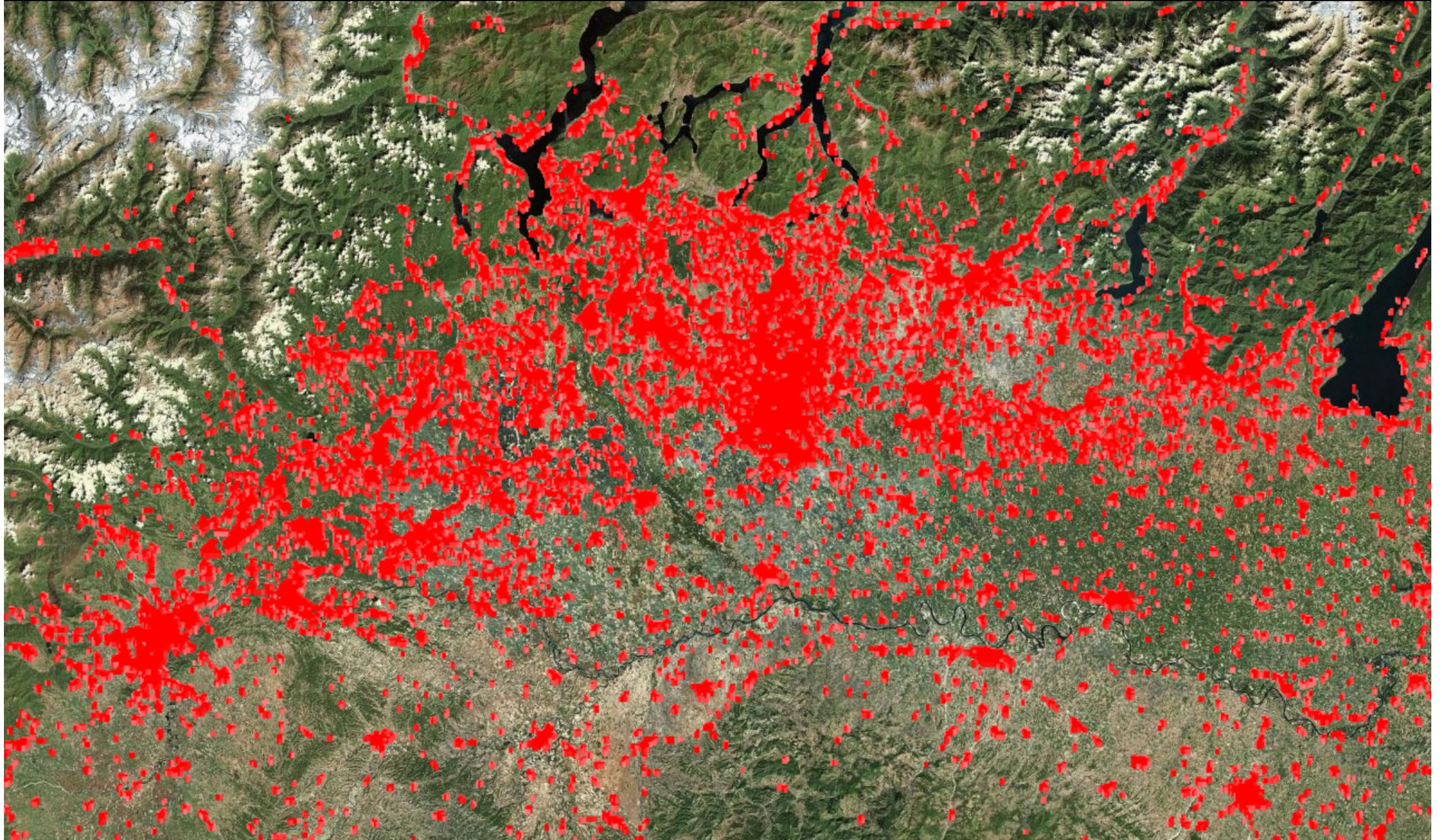
*mappa insediamenti 2005*

dispersione



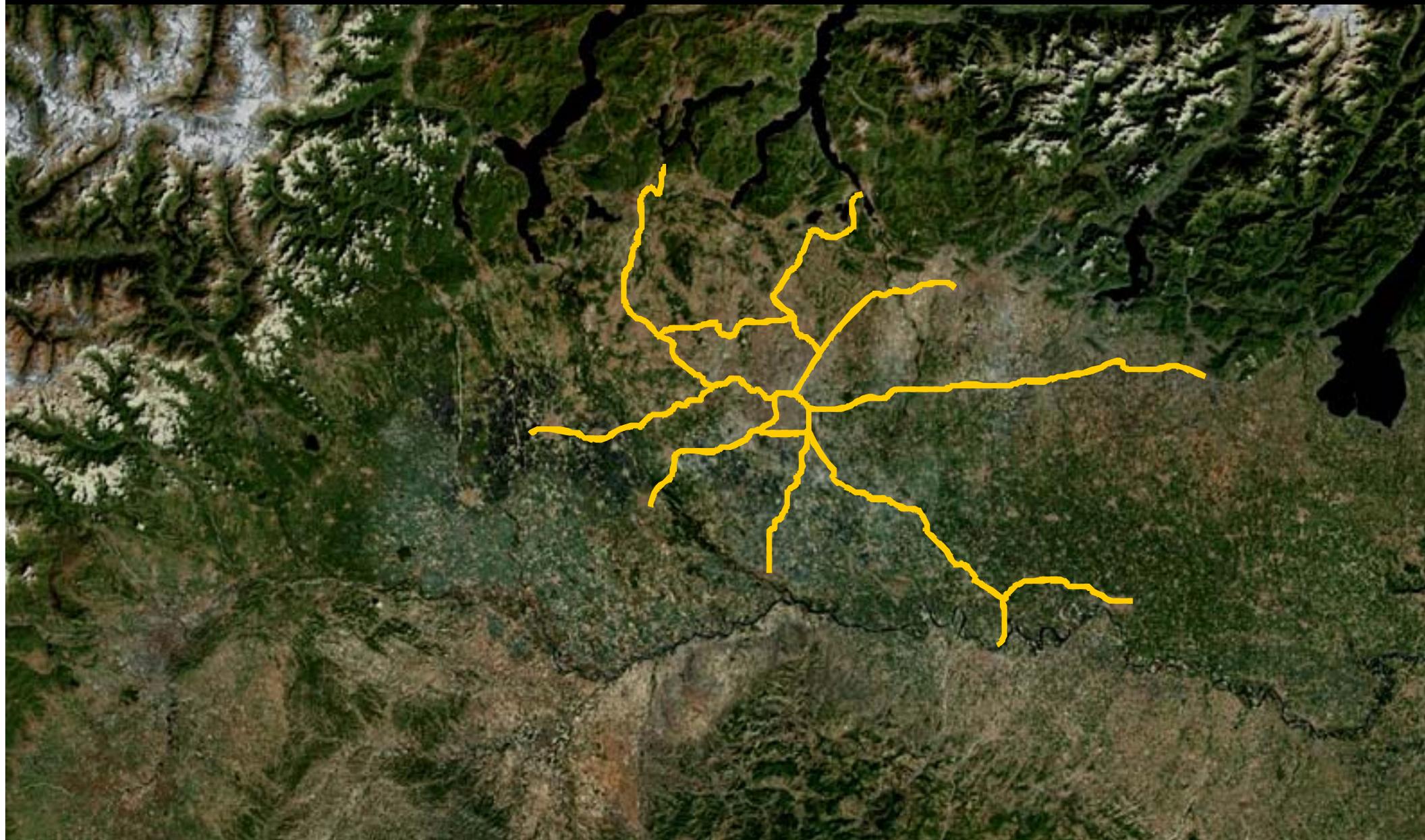
*mappa insediamenti 2025*

**saturazione**



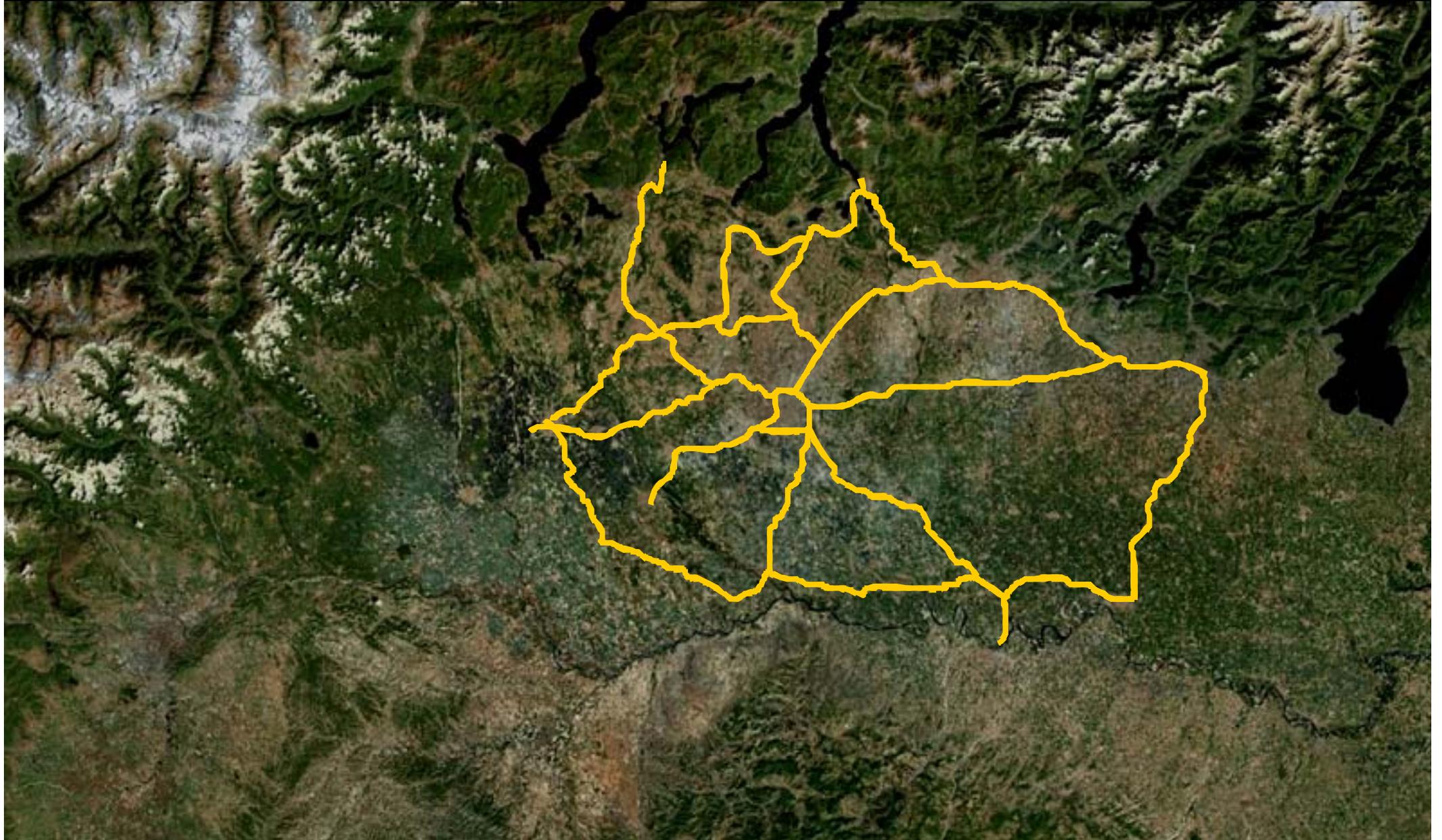
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**radiale**



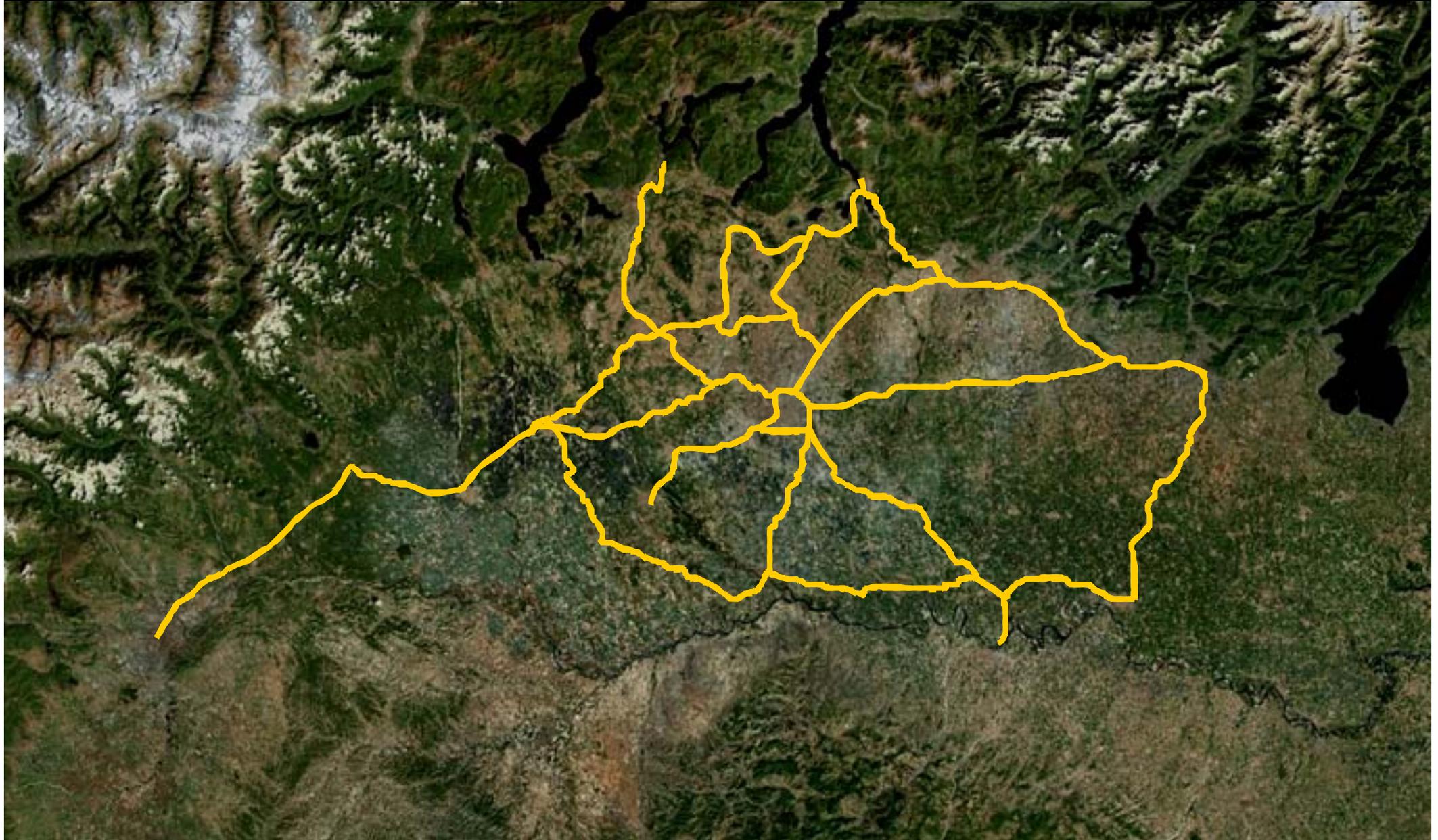
*sistema ferroviario*

radiale | orbitale



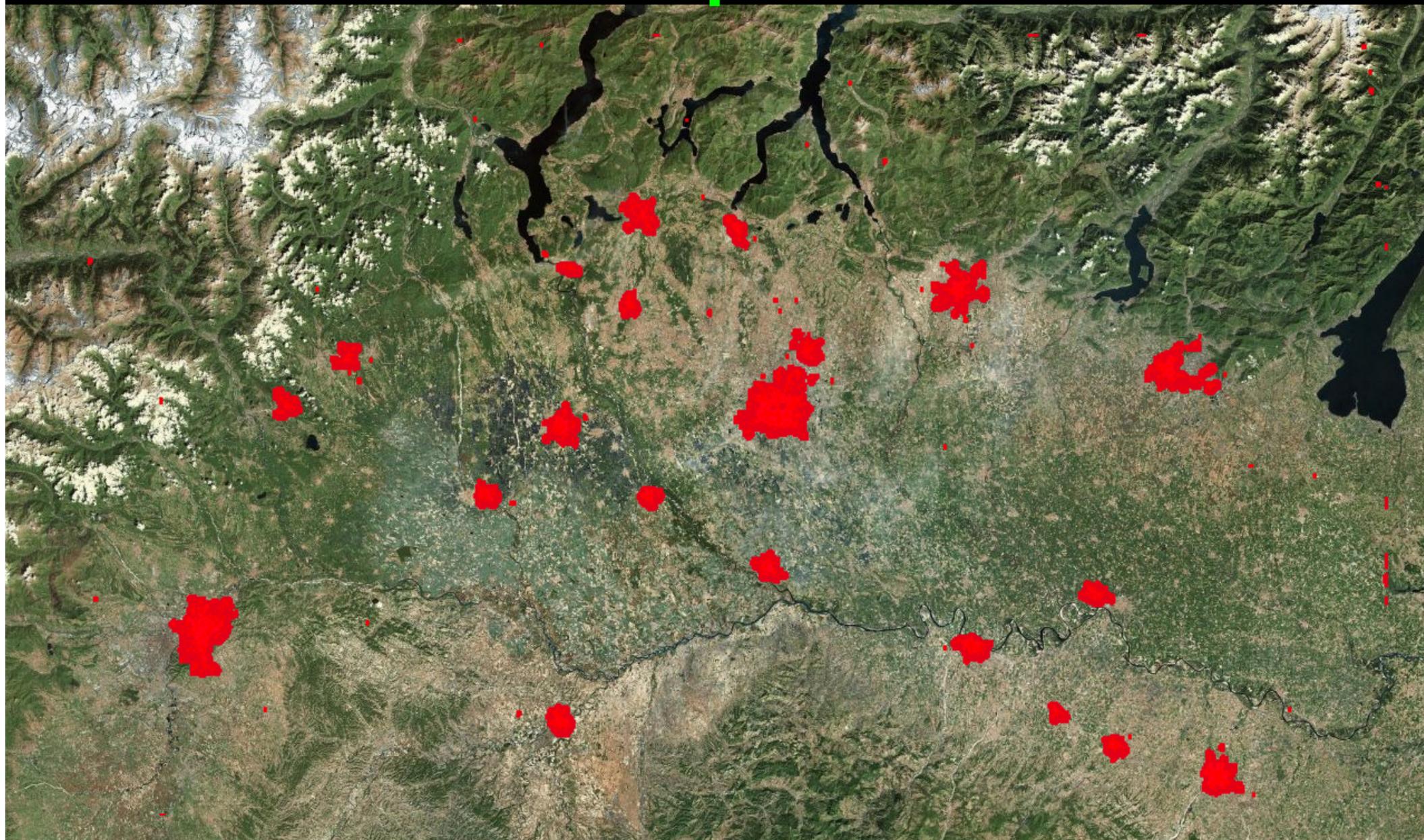
*sistema ferroviario*

radiale | orbitale | di connessione



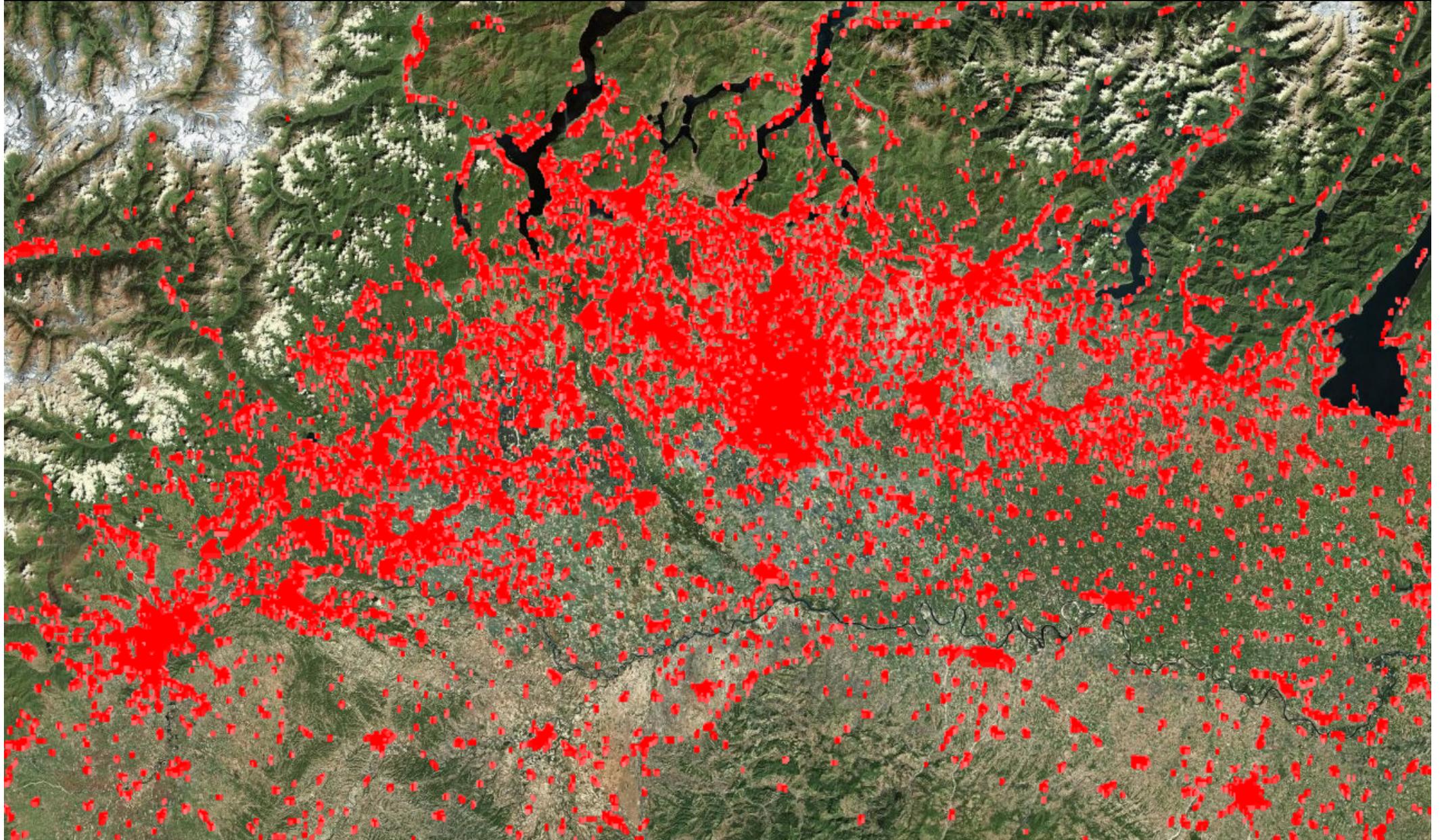
*mappa insediamenti 2005*

**policentrismo**



*mappa insediamenti 2025*

**saturazione**



# Khrónopolis

Fabio Casioli

città accessibile, città possibile accessible city, feasible city

notes by  
Andy Bow  
Ricky Burdett  
Norman Foster  
Guido Martinotti  
Renzo Piano

visions by  
Narinder Sagoo with Richard Miller,  
Foster + Partners  
Davide Costa,  
Rogers Stirk Harbour + Partners

IDEA BOOKS

# interviste e contributi

Verso Khrónopolis, di **Andy Bow**

Scoprire il DNA della mobilità nella città contemporanea, di

**Ricky Burdett**

**Norman Foster** su Khrónopolis: una conversazione illuminante

Ora, ma non qui: tempo, spazio e tecnologia nella meta-città, di **Guido**

**Martinotti**

Khrónopolis, città ideale del Terzo Millennio. Tre domande per **Renzo**

**Piano**

