

GIZ - Connective Cities

„Green Corridors in the City and its Surroundings”

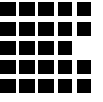
The City of Erlangen

Online Meeting, April 7th 2026

Tilman Lohse / Silke Richter
Office for City Planning and Mobility



Erlangen is located in Bavaria, Germany



Netherlands

Belgium

Luxembourg

France



Switzerland

Poland

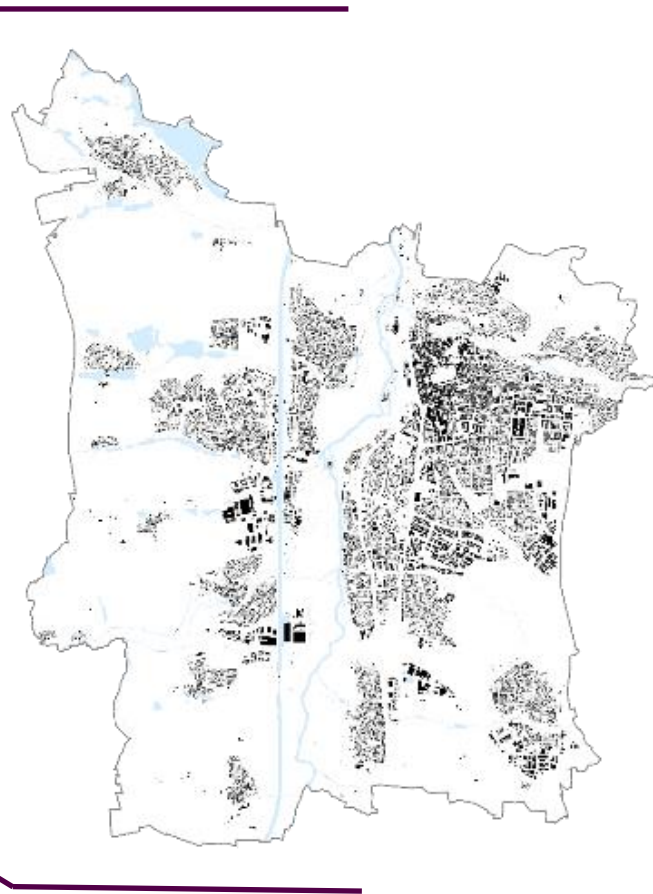
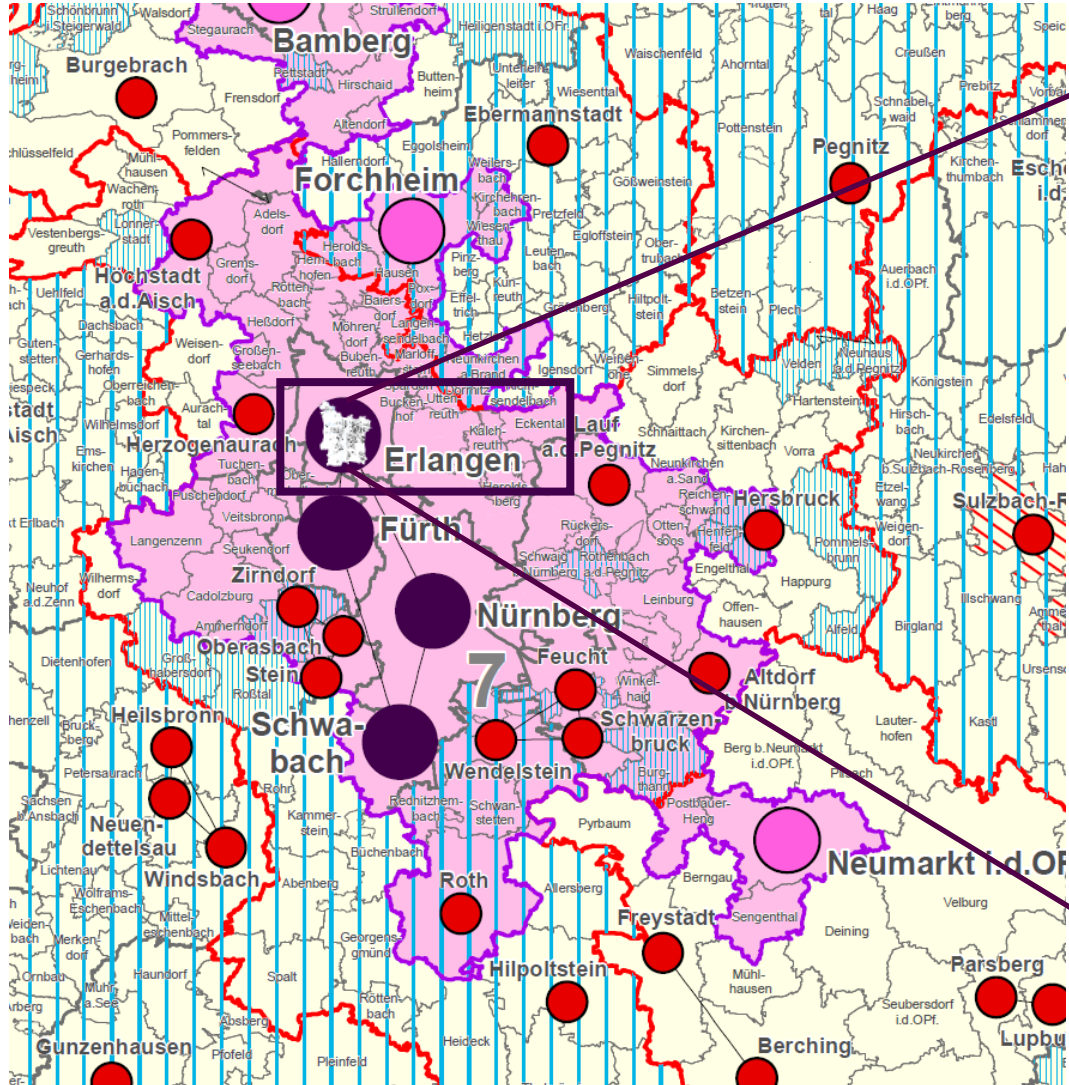
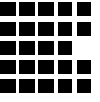
Czechia

Austria



The City of Erlangen

City in an Urban Agglomeration

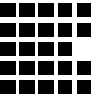


Inhabitants:
120,646 (as of 31.12.2025)
(+ 16,000 since 2012)

City area:
approx. 77 km²

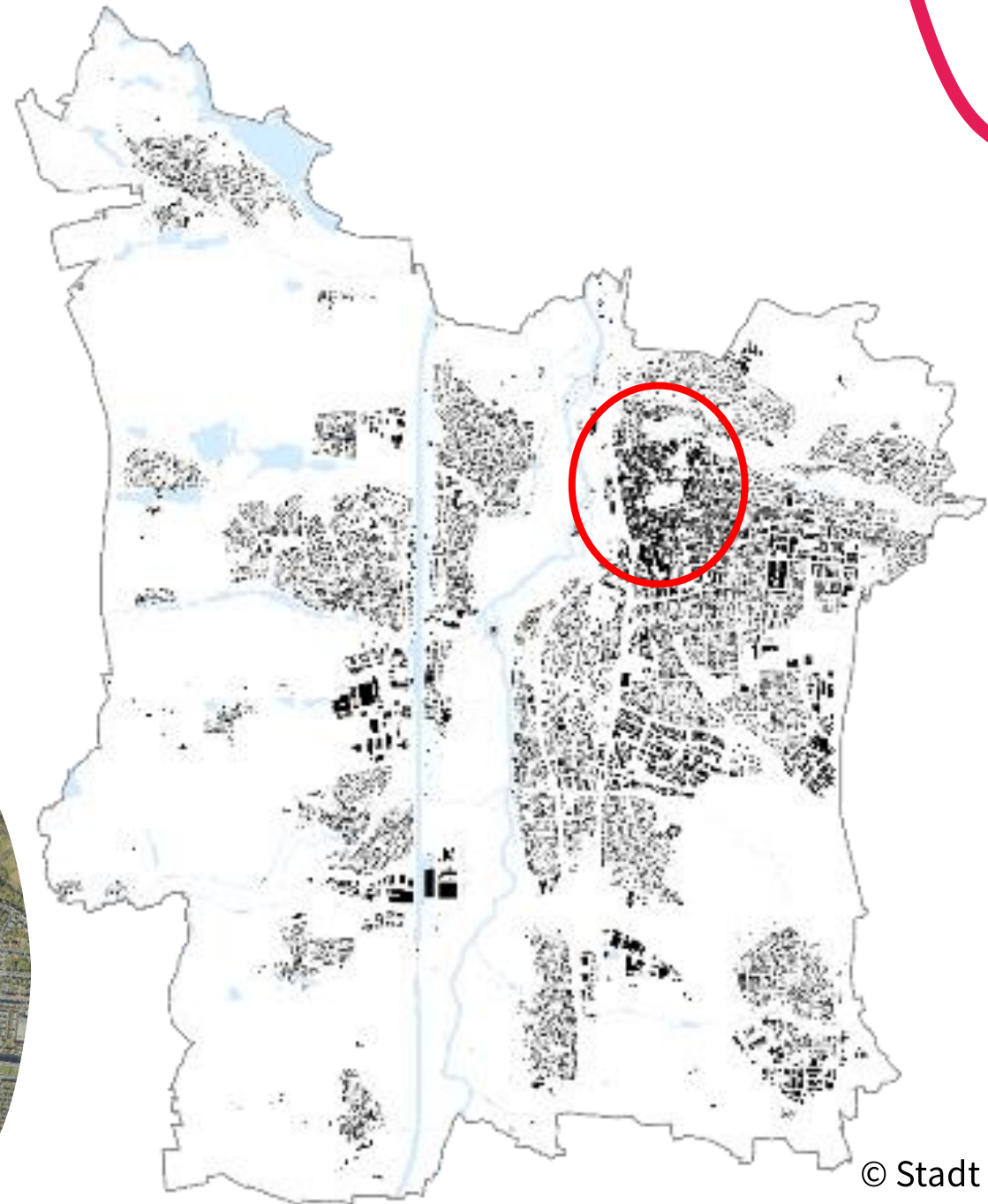
Inbound commuters:
approx. 65,000

Erlangen is known as ...

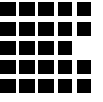


... city of
Huguenots

baroque
planned city



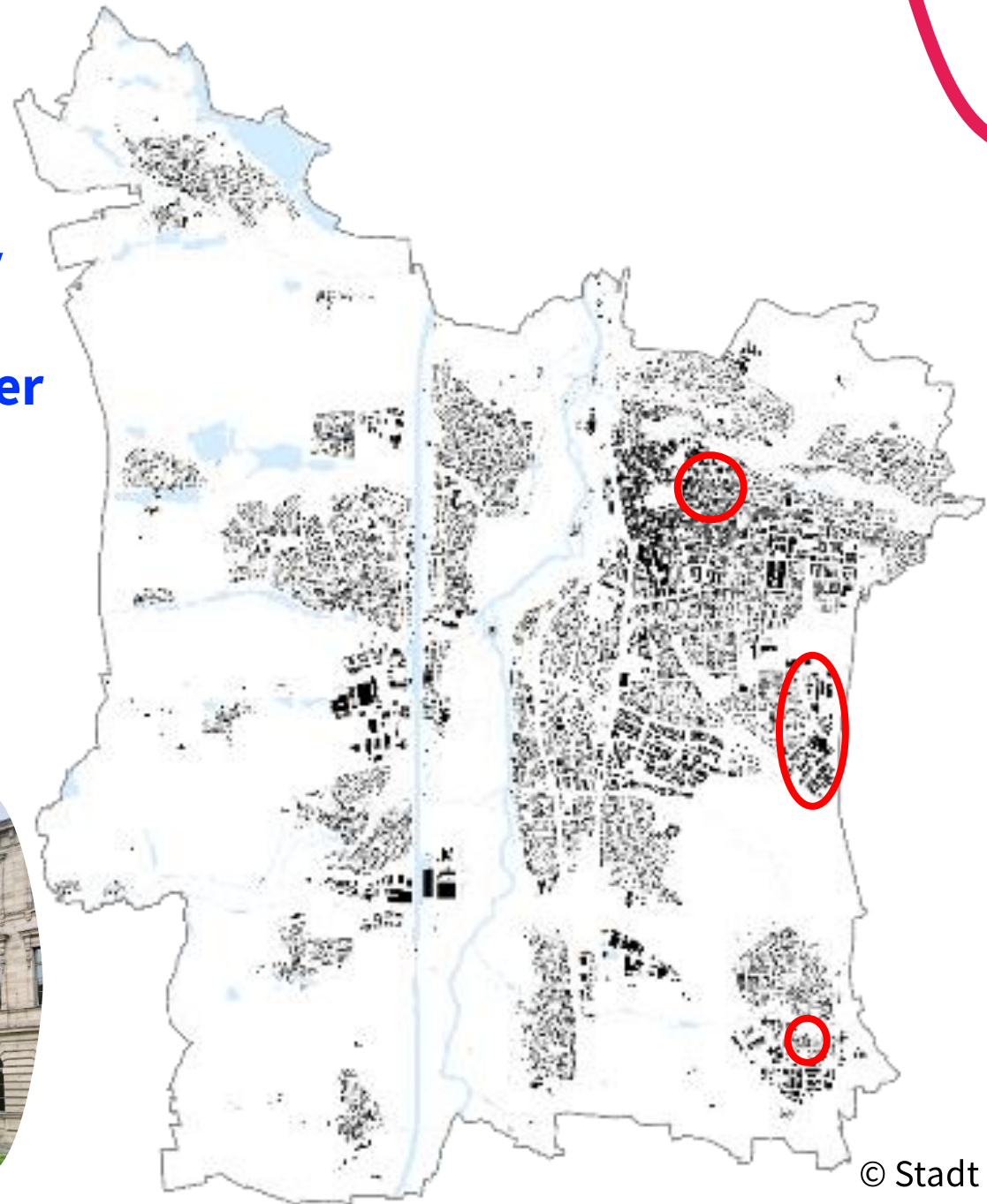
Erlangen is known as ...



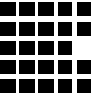
... university city

**Friedrich-Alexander
University**

**approx. 30,000
students**



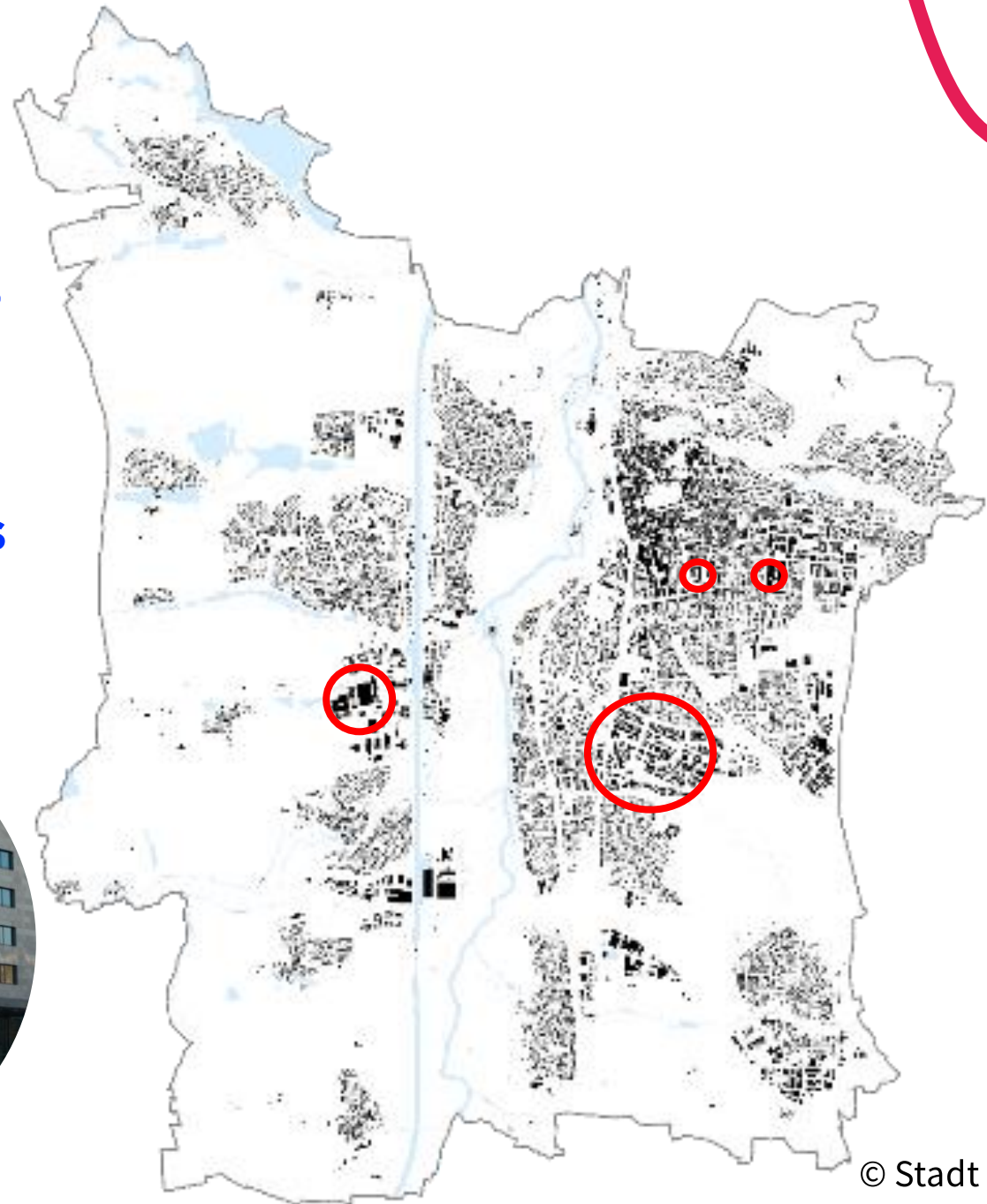
Erlangen is known as ...



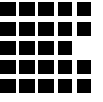
... “Siemens City”
one of the largest
Siemens locations
in the world



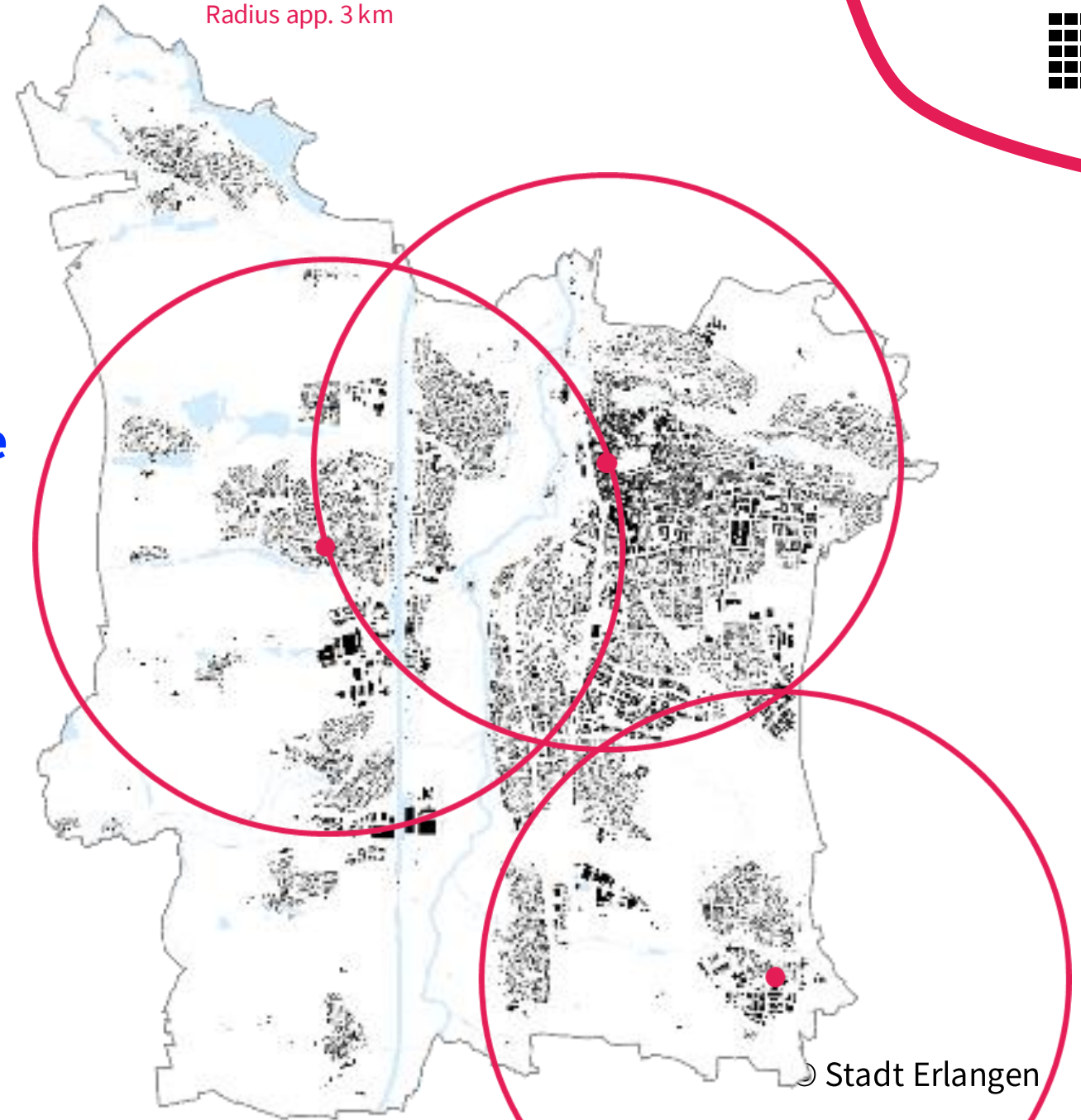
Photo source: Siemens



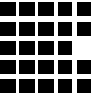
Erlangen is known as ...



... bicycle city
approx. 30% share
in local traffic

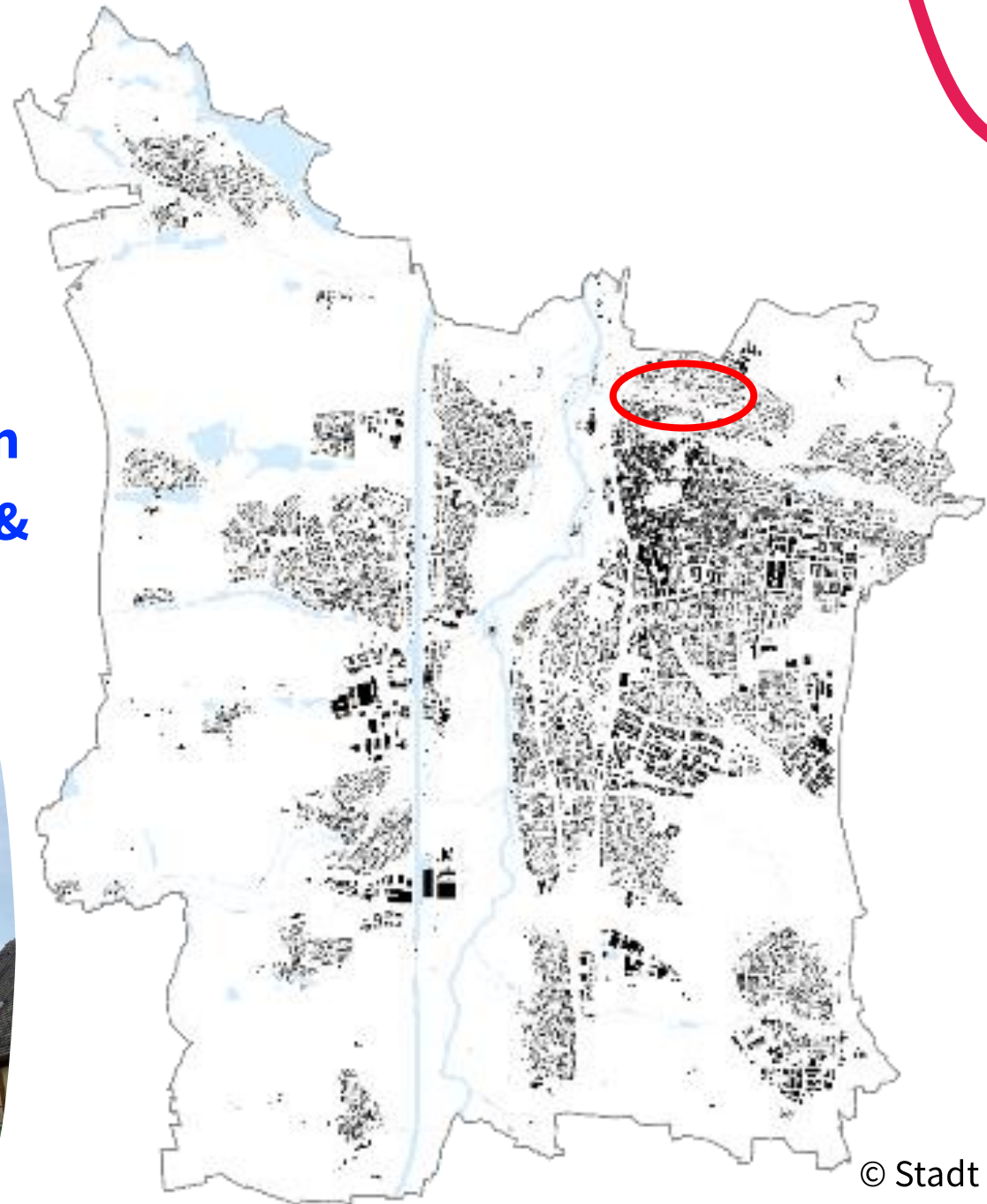


Erlangen is known as ...



... beer city

formerly Erlangen
had 30 breweries &
beer festival



The City of Erlangen

Green Corridors in Erlangen – Status Quo

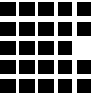
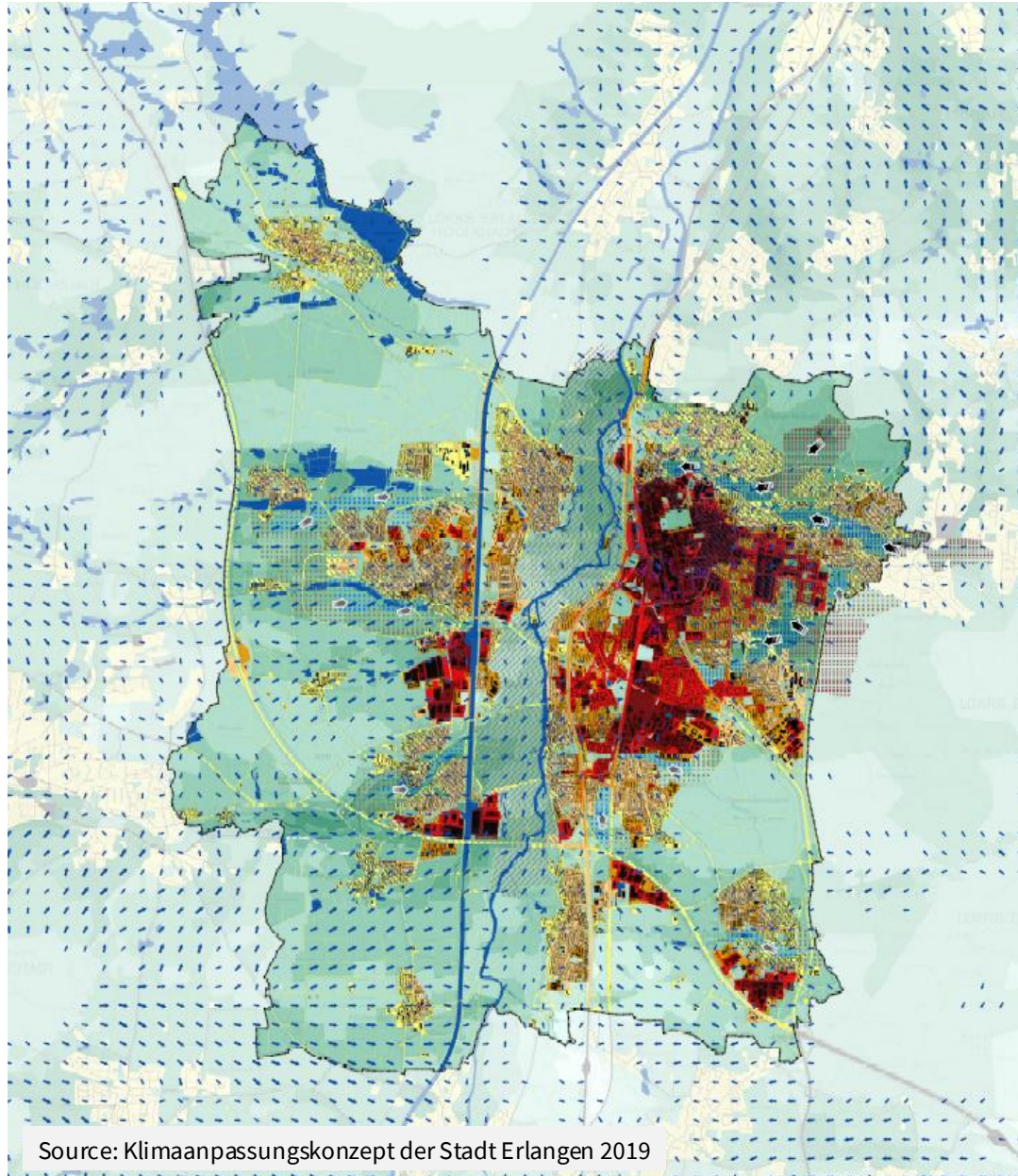
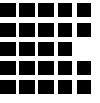


Abb.6 Freiraumstruktur Erlangen

Erlangen Climate Study 2019

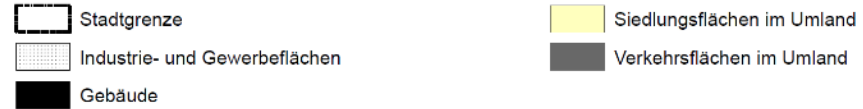


Stadtklimaeffekt von Siedlungs- und Verkehrsflächen

Nächtliche Überwärmung gegenüber Grünflächen [°C]



Kaltlufteinwirkungsbereich innerhalb der Bebauung / Verkehrsflächen



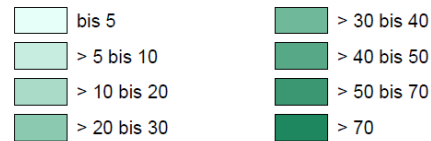
Nächtliches Strömungsfeld

Windgeschwindigkeit [m / s in 2 m ü.Gr.]
(aggregiert auf eine räumliche Auflösung von 250 m)

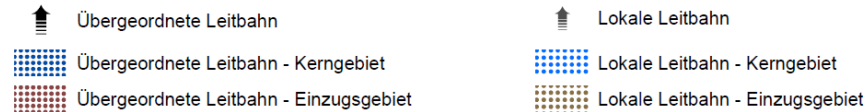


Kaltluftprozessgeschehen über Grünflächen

Kaltluftvolumenstrom [m³ / (s*m) um 04:00 Uhr]



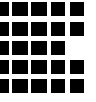
Kaltluftleitbahnen



Grünflächen hochempfindlicher thermischer Funktionalität (Regnitz-Aue)

Flächenhaft mit Kaltluft durchlüfteter Grünraum mit Siedlungsbezug, der zwar keine klassische Leitbahnfunktion aufweist, durch die Trennung der beiden Siedlungsbereiche Innenstadt und Büchenbach jedoch die Ausbildung eines noch stärkeren Stadtklimaeffekts verhindert - die Erhaltung dieser Funktion sollte gesichert werden.

Erlangen Faces Different Challenges



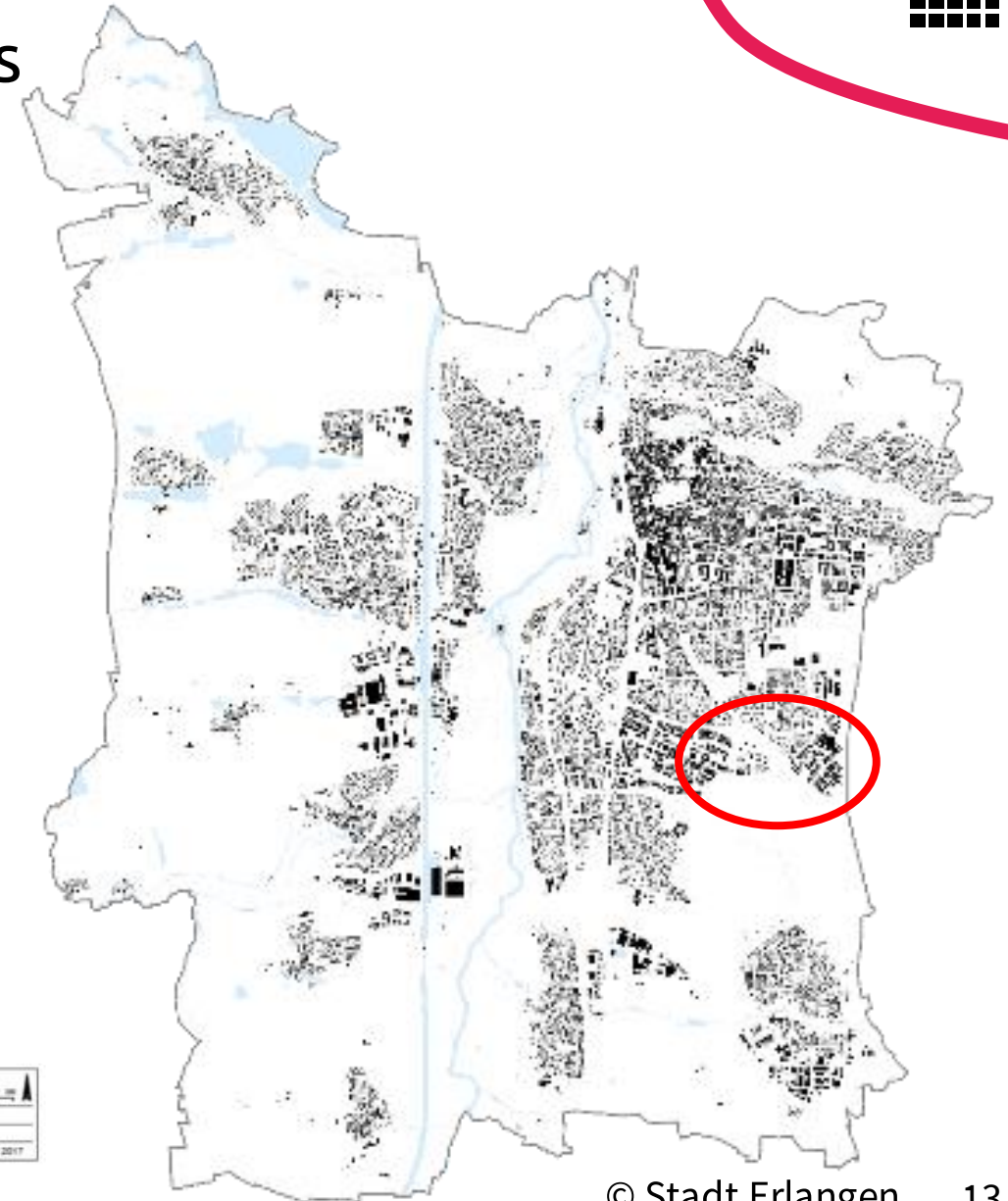
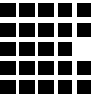
1. Climate Change
2. Growths within city boundaries
→ need for new areas for living and business / manufacturing
3. Restrictions → protected areas



Case Study - Introduction

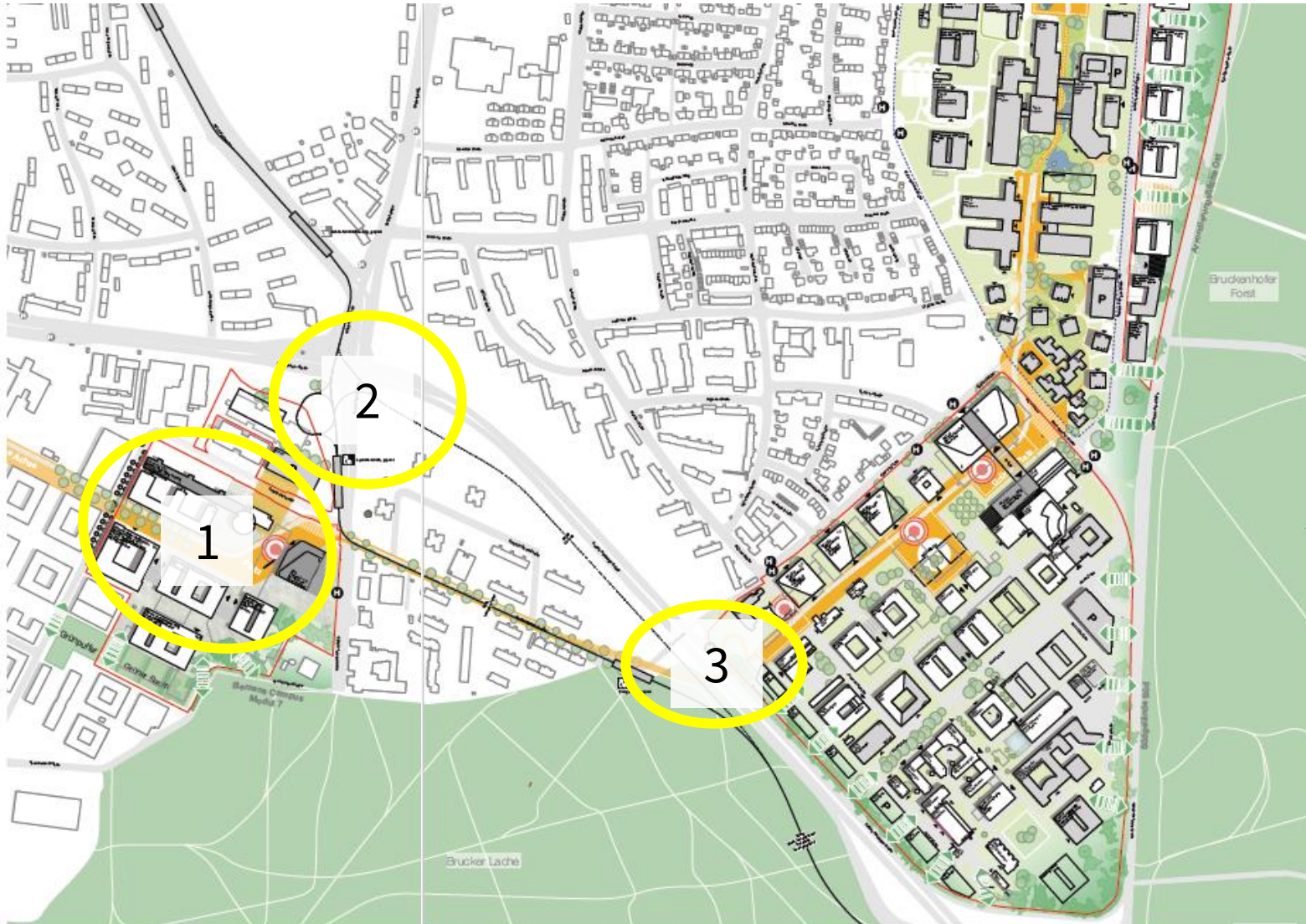
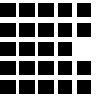
Learning Process: Green Corridors

Case Study: From two quarters to one campus



Learning Process: Green Corridors

Case Study: From two quarters to one campus

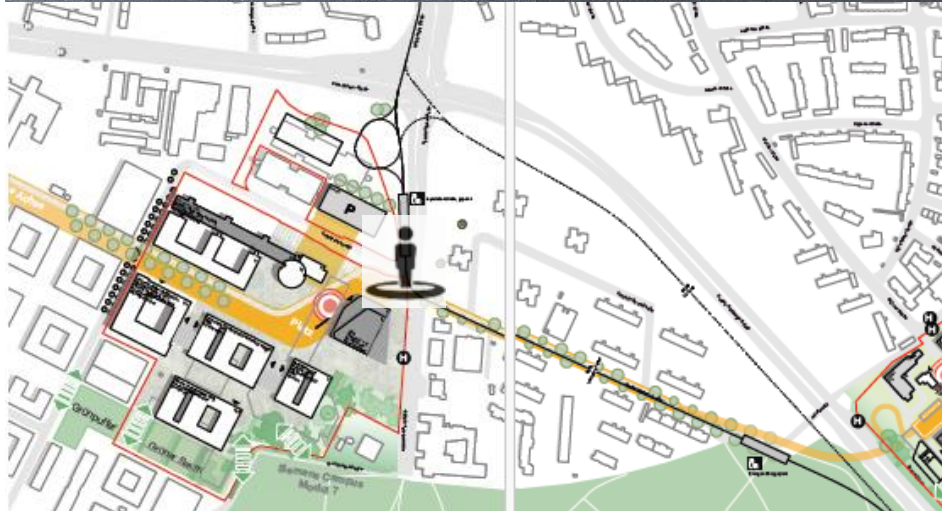
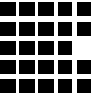


Focus areas:

1. Green Boulevard
→ Input / Ideas with AI Visualisation
2. Intersection with tram, bikes, pedestrians, cars
→ How do you deal with land use conflicts?
3. Existing pedestrian bridge
→ Input / Ideas with AI Visualisation

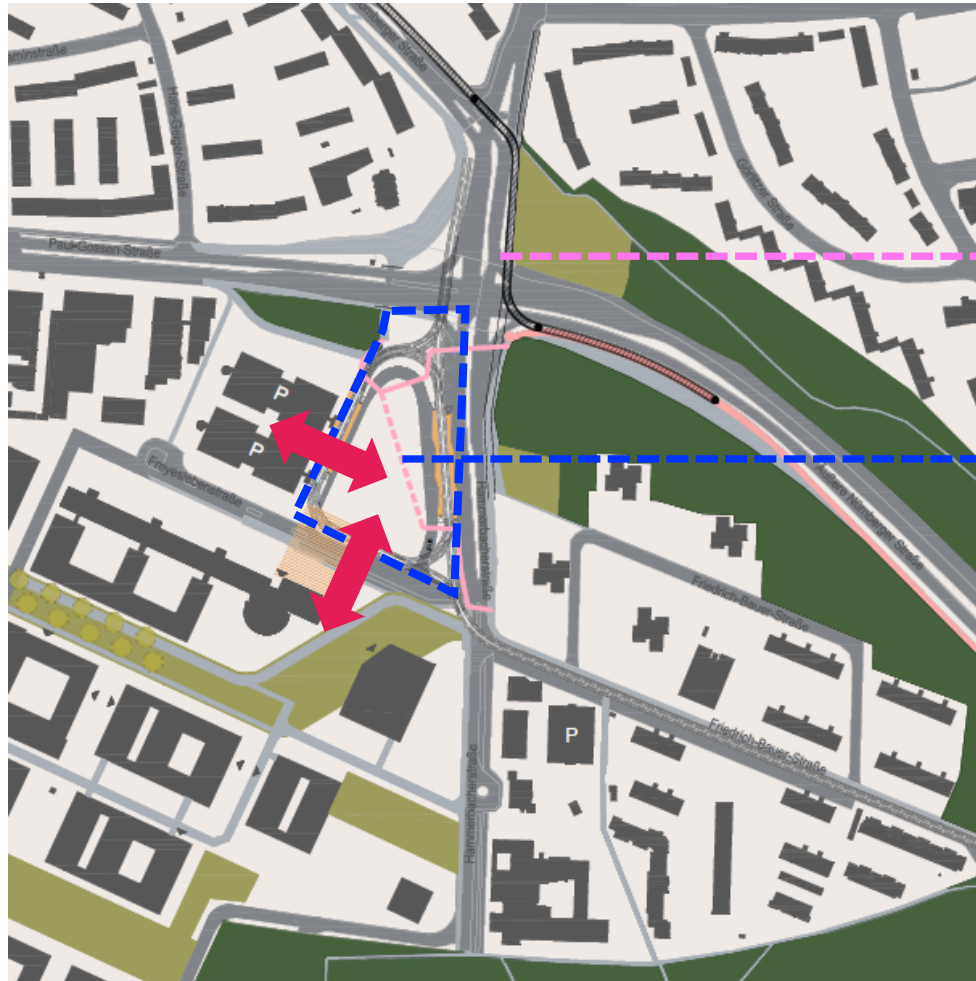
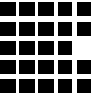
Learning Process: Green Corridors

1) Green Boulevard



Learning Process: Green Corridors

2) Intersection



Bike Path Erlangen-Nürnberg
bridge over intersection



Tram Station an turning point



Learning Process: Green Corridors

3) Existing Pedestrian Bridge

