Cluster city

A new model for the Midcity area in Chicago

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10 million meters
speed
functionality
yellow=industry
green=residential
blue=commercial
Interstate highway act 1956

“What is good for General Motors is good for America”

domiance of the automobile
Mortgage financing and subdivision 1940-today

Federal Housing Administration (FHA)

power to award or withdraw mortgage insurance and thus shape the post-war, racially segregated, city

systematic violence
2010 Census Block Data

- 1 Dot = 1 Person

- White
- Black
- Asian
- Hispanic
- Other Race / Native American / Multi-racial

ethnic segregation
Population Change 1950-2000
red=growth  green=decline

not shrinking but shifting city
New Buildings built

Population of Chicago

Future need for housing
old, decaying houses 100 years +

Future population trend tendencies

Built houses in Chicago

Future need for housing

we are here
Field Trip
Lack of public transport
car dominance
Individuality
P1 research books

conclusion
Programmatic: Existing potential of strong neighbourhood identities
Infrastructure: A N\$ Train connection would benefit the area
Built:
Vacancy and decay lead to shrinking city areas.
Can we propose a new city model that adapts to shrinking and growing?

Can this new model guide a collective mentality in the American individualistic society?
AIM:

To create a flexible network of dense clusters that offer qualitative space for collective collaboration
THE NAKED CITY
ILLUSTRATION DE L'HYPOTHÈSE DES PLAGUES
TOURNANTES EN PSYCHOGRAPHIQUE
Hard core - flexible outline
Collaboration between clusters
Defined spatial model

Defining the clusters
Public transport connection
Neighbourhood park
Today: ~ 70,000 people
Future: over 100,000!
Social centres
- Parks: green
- Retail: orange, pink
- Public buildings
Social centres 2
• Schools: blue
• Religious: Purple
Industry
New public transport: Busline (green)
The built and the void
Street
Communal typology

Individual typology
nolli before
nolli after
public space analysis
(good working spaces from personal experience)

30mx20m = 600m²
Louvain-La-Neuve

20mx20m = 400 m²
Freiburg

30mx35m = 1000m²
Louvain-La-Neuve

50mx30m = 1500m²
Frankfurt

40mx25m = 1000m²
Louvain-La-Neuve
70mx60m = 4200m²
Louvain-La-Neuve

70mx20m = 1400m²
Frankfurt

75mx35m = 2400m²
Brussels

45mx45m = 20000m²
Paris
90m x 20m = 1800m²  
New York

80m x 65m = 5200m²  
Frankfurt

110m x 30m = 3300m²  
Paris
150mx60m = 9000 m²
Chicago