

## Aarhus School of Architecture // Design School Kolding // Royal Danish Academy

### Transformation of the industrial harbor areas to housing areas

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# Transformation of the industrial harbor areas to housing areas

Conception and perception of the outside spaces



# PUBLIC SPACE

## DESIGN, ORGANISATION, SIGNIFICANCE IN THE TRANSFORMATION OF HARBOUR SPACES

Special qualities and special challenges at the same time:

number of housing projects:	multifarious demography considering age, ethnicity, income high variety of outside spaces
special location:	central location to the city located directly to the waterfront
transformation:	industry harbour to housing area private grounds to public grounds



## Research question

How to read the universal (understood as the common and the social) and the individual (understood as the specific, private and intimate) in the meeting between urban and housing space?



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## Questions in the project

How do the exterior spaces in these new harbour areas come to being?  
What influences are at play in the development of them?  
What influences the approval and the functioning of these housing areas?



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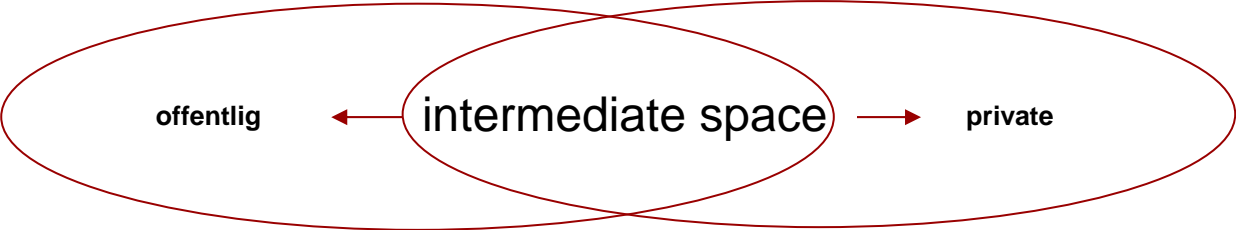


## Hypothesis

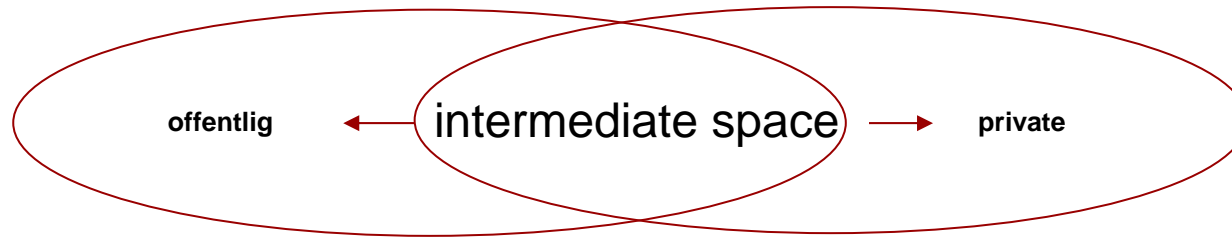
Intermediate spaces between the public and the private areas play a decisive role to the way these housing areas get perceived

How can I define what intermediate spaces are and what these contribute to concept of the overall area?

Intermediate space



## Intermediate space

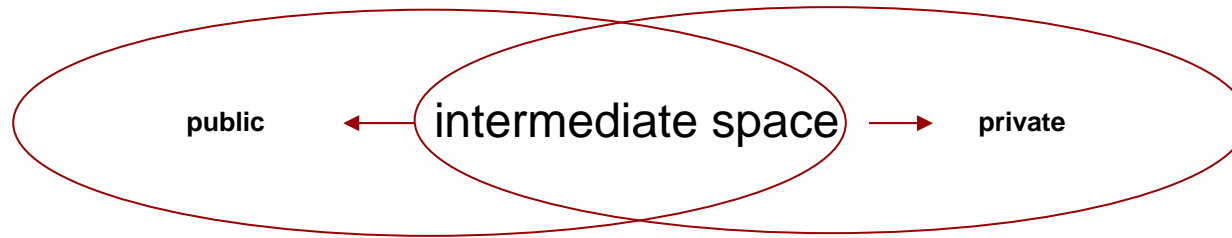


## MA

Japanese understanding of in-between



## Intermediate space



## MA

Japanese understanding of in-between

## Philippe Boudon

architecture relates different scales in the space of conception

## ANT

the social happens in-between the actors (not social for themselves)

## What are intermediate spaces?

*“neither public nor private but all the opposite - not sterile spaces, not only left to marketing and profit, but stimulating parts of the multiform urban tissue”*

(Manuel de Solá-Morales)

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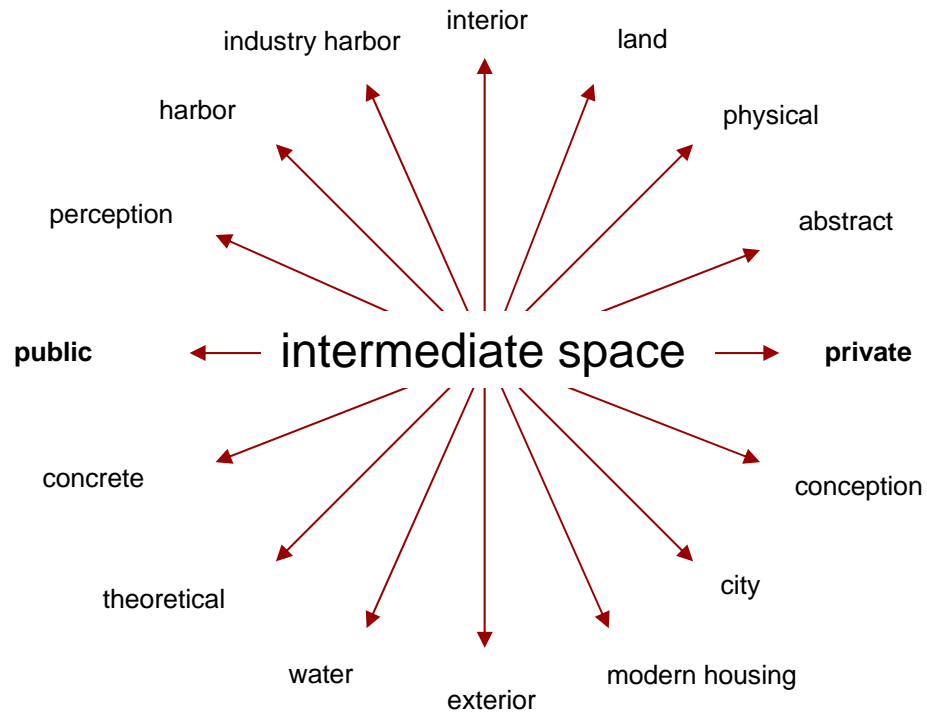
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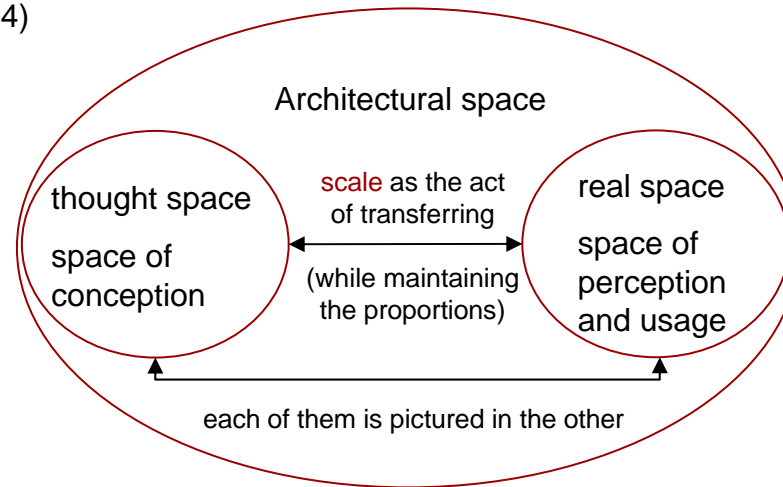
MA

Philippe Boudon

Space of conception – space of perception and usage

*”Wenn wir vorschlagen, den architektonischen Raum als eine Einheit aus zwei Räumen zu definieren, aus dem wirklichen Raum uns aus dem gedachten Raum, wobei sich der eine im anderen abbildet und umgekehrt – dann ist der Maßstab das Gesetz der Übertragung – im weitesten Sinne von einem Raum in den anderen.”*

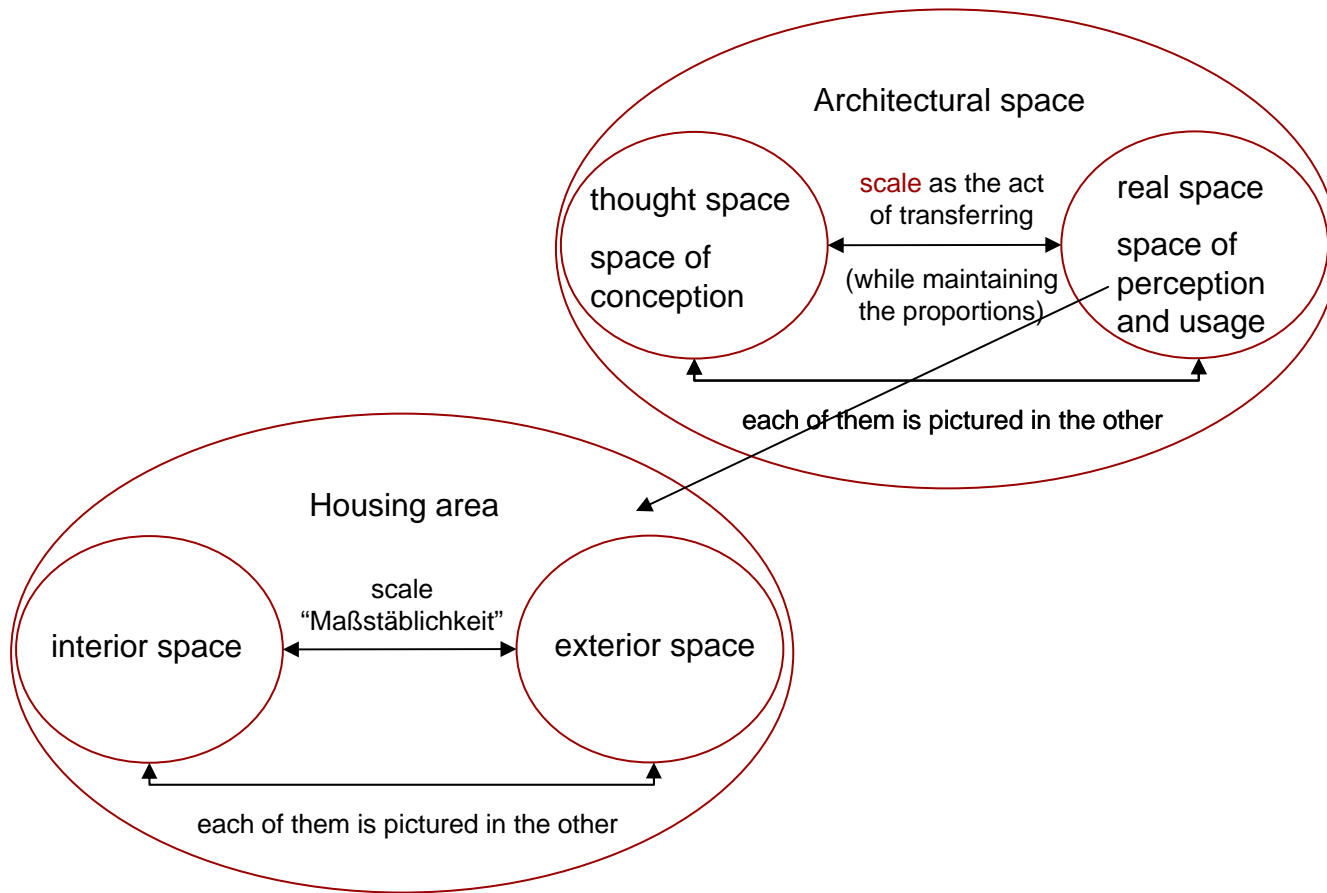
(“Der architektonische Raum”, p. 74)

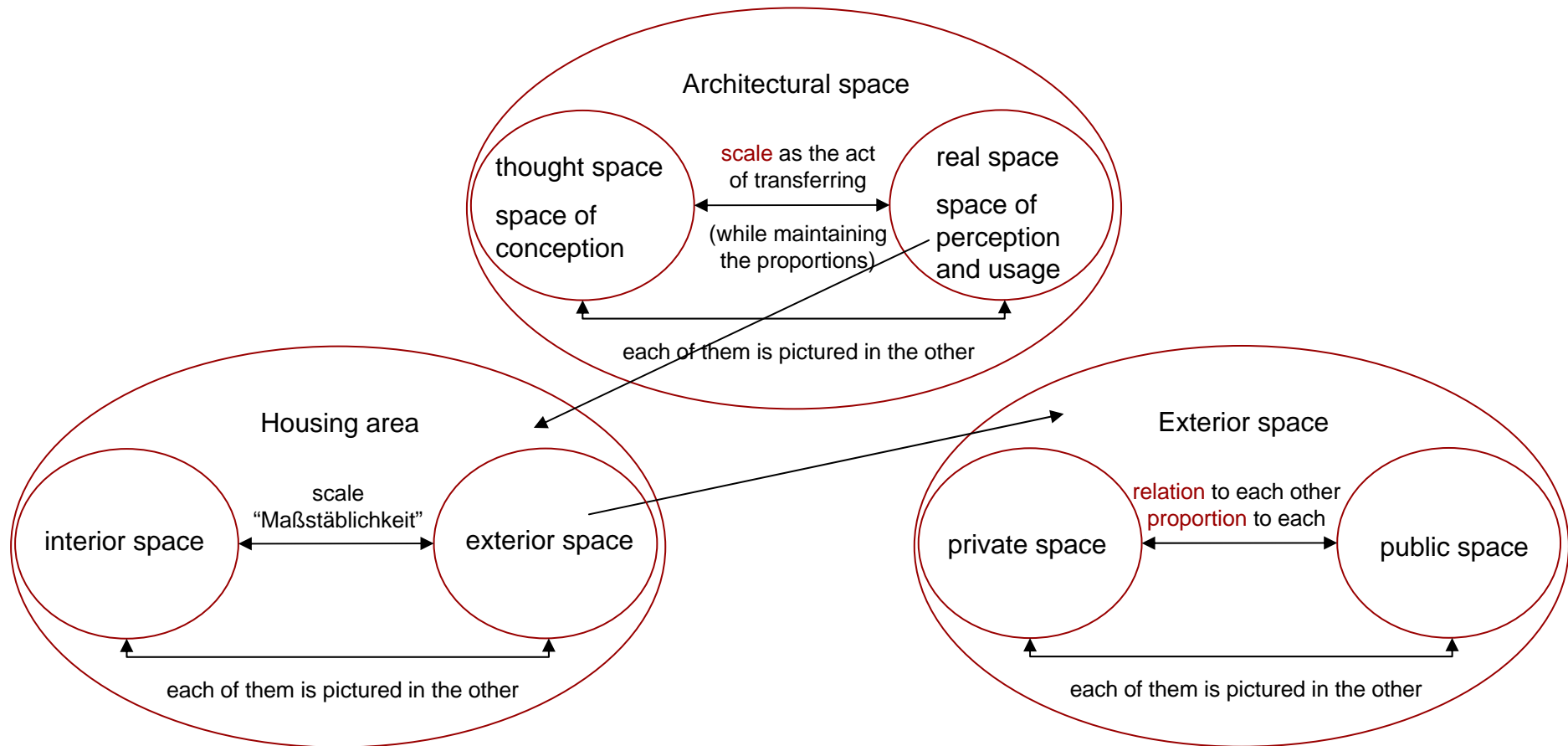


*En d`autres termes, lorsque je propose de définir l`espace architectural comme un ensemble de deux espaces, l`espace vrai eet l`espace mental, avec projection réciproque de l`un dans l`autre, l`échelle est la règle de passage – au sens le plus large at à èlucider – d`un espace dans l`autre.“*

(“Sur l`espace architectural“, p. 100 )

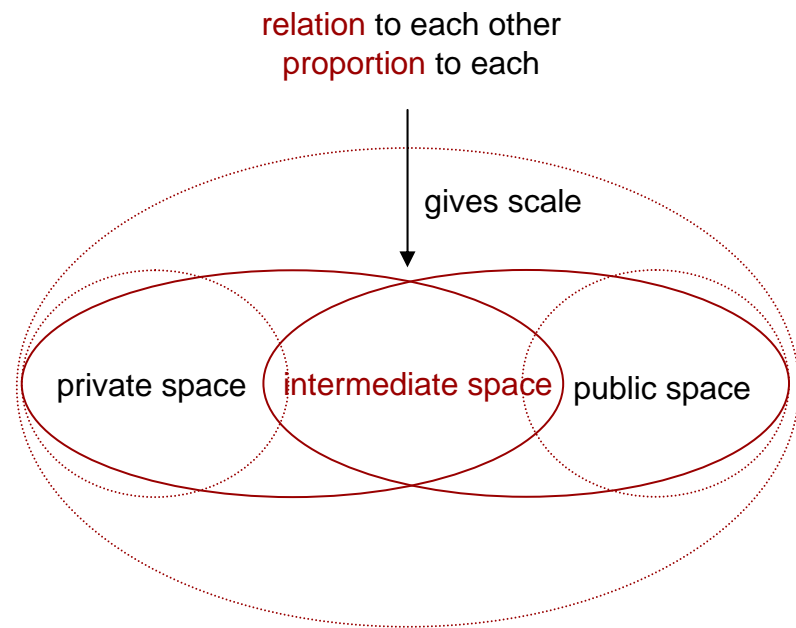






*“... konnten wir Maßstäblichkeit als das definieren, das den Übergang von dem einen zu dem anderen architektonische Raum regelt, und konnten, von da aus, Maßstäblichkeit grundsätzlich als eine Funktion des Übergangs von einem Raum, welcher Art auch immer, in einen anderen Raum definieren,...“*

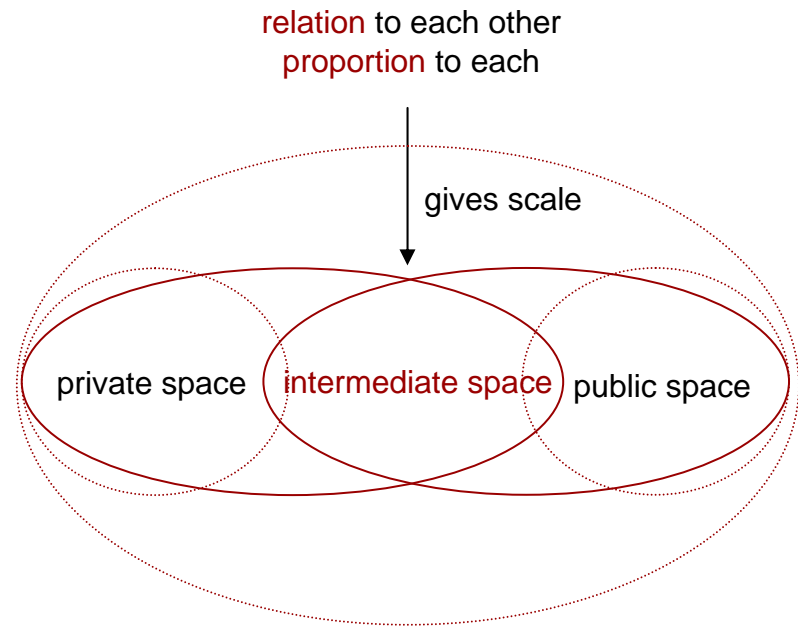
(„Der architektonische Raum“, p. 88)



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**Intermediate space** as the space of transfer between public – private  
as a scale

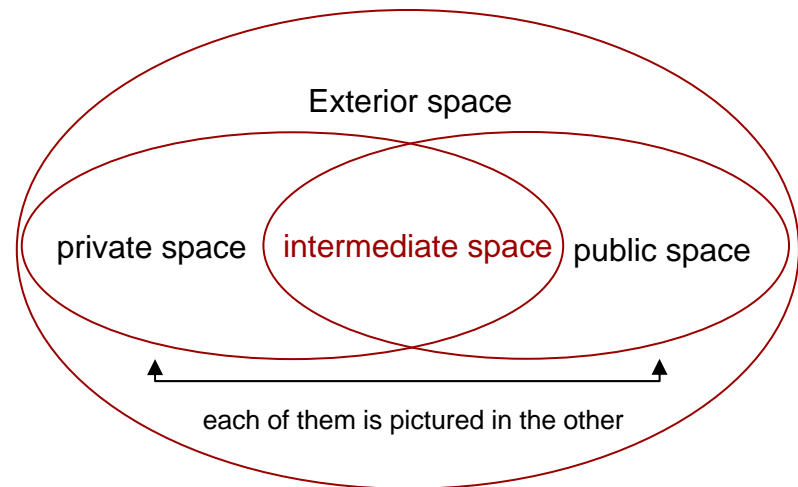


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**Intermediate space** as the space of transfer between public – private  
as a scale

What makes up this special scale of private and public?



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## Boudon

*“Das Problem der Umwandlung von Räumen, oder besser, das Problem der Übertragung des einen Raumes auf den anderen, ist ein grundsätzliches Merkmal von Architektur, wie wir zu zeigen versucht haben, und es verlangt eine andere Sicht auf die Architektur. Die wir mit der Übertragung oder Abstimmung der Maßstäblichkeit zu definieren unternommen haben. [...]“*

(“Der architektonische Raum”, p. 90)

*“Or le problème de changement d`espace, ou si l`on veut du passage d`un espace á un autre, problème implicite mais qui a toujours été fondamental d`une démarche architecturale, est bien celui que pose l`architecture en termes nouveaux mais à élucider, le « changement d`échelle ».*

(“Sul léspace architecturale”, p. 11)

## Boudon

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Transformation of the space of conception to the space of perception and usage (as the basic characteristic of architecture)

Giving scale as the act of transferring

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Transformation of the space of conception to the space of perception and usage (as the basic characteristic of architecture)

Giving scale as the act of transferring

**scale** as space of reference  
as relevance

**scales** as a mode of shifting from one space to another  
from one model to the other



**Transformation** of industrial harbour to attractive housing areas includes the work with many different **scales**

Transformation of industrial harbour to attractive housing areas includes the work with many different scales

historical scale



neighbouring scale



scale of model



social scale



technical scale



visibility scale



Transformation of industrial harbour to attractive housing areas includes the work with many different scales

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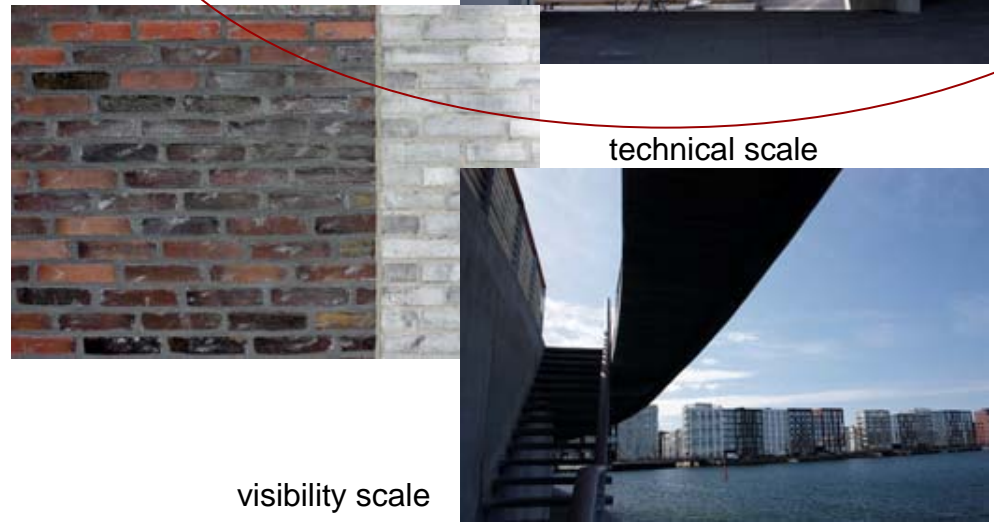
scale of model



social scale



technical scale



visibility scale

### Special scale

the private and the public having a special relation in that situation  
Scale of the public and private as the dimension of the transformation

## Actor - Network - Theory

scale as the idea of “the part and the whole”

scaling of an architect as a rhythm of working with/on different scales

*”These scaling trials bring the building into existence.”*

(Albena Yaneva, “Scaling up and Down”)

## Actor - Network - Theory

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idea of connections between different actors

actor as objects and subject – actor as spaces and processes, all acting on one level

*“A network is all boundary without inside and outside. The only question one may ask is whether a not a connection is established between two elements.”*

(Bruno Latour, “On actor network theory. A few clarifications”)

## Actor - Network - Theory

scale as the idea of “the part and the whole”

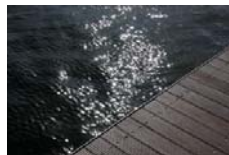
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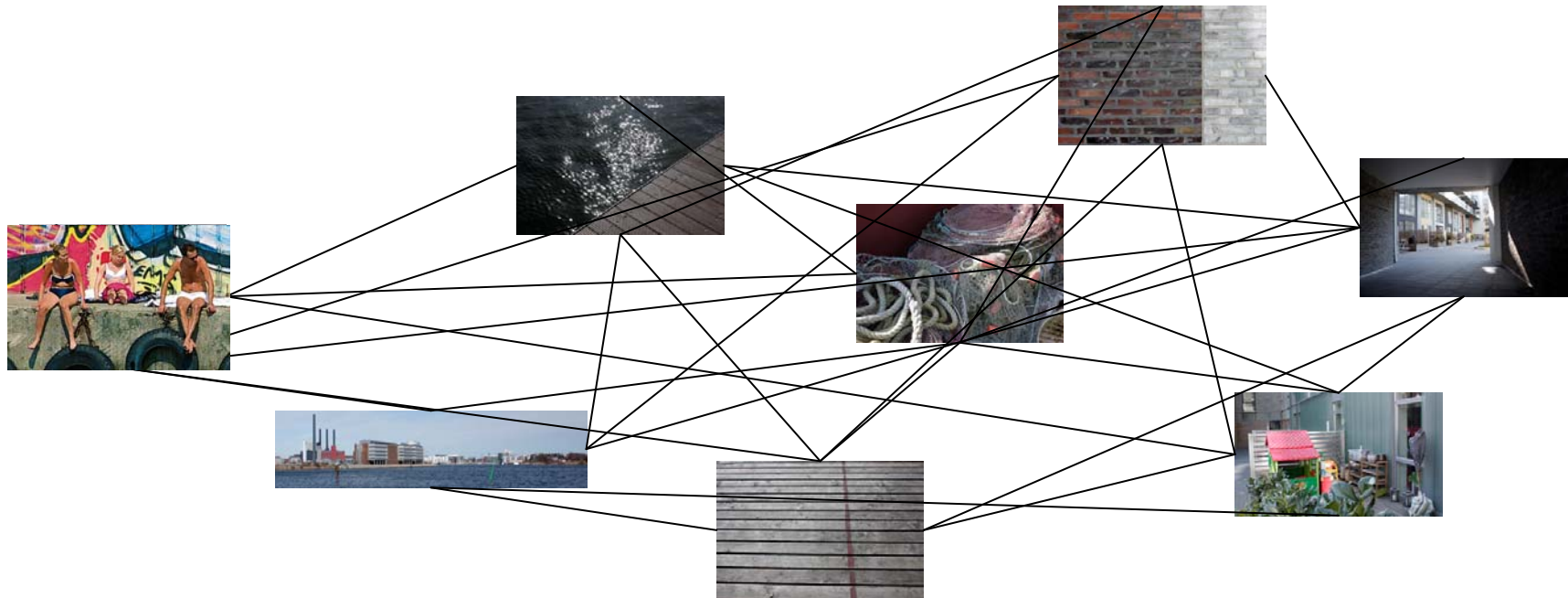
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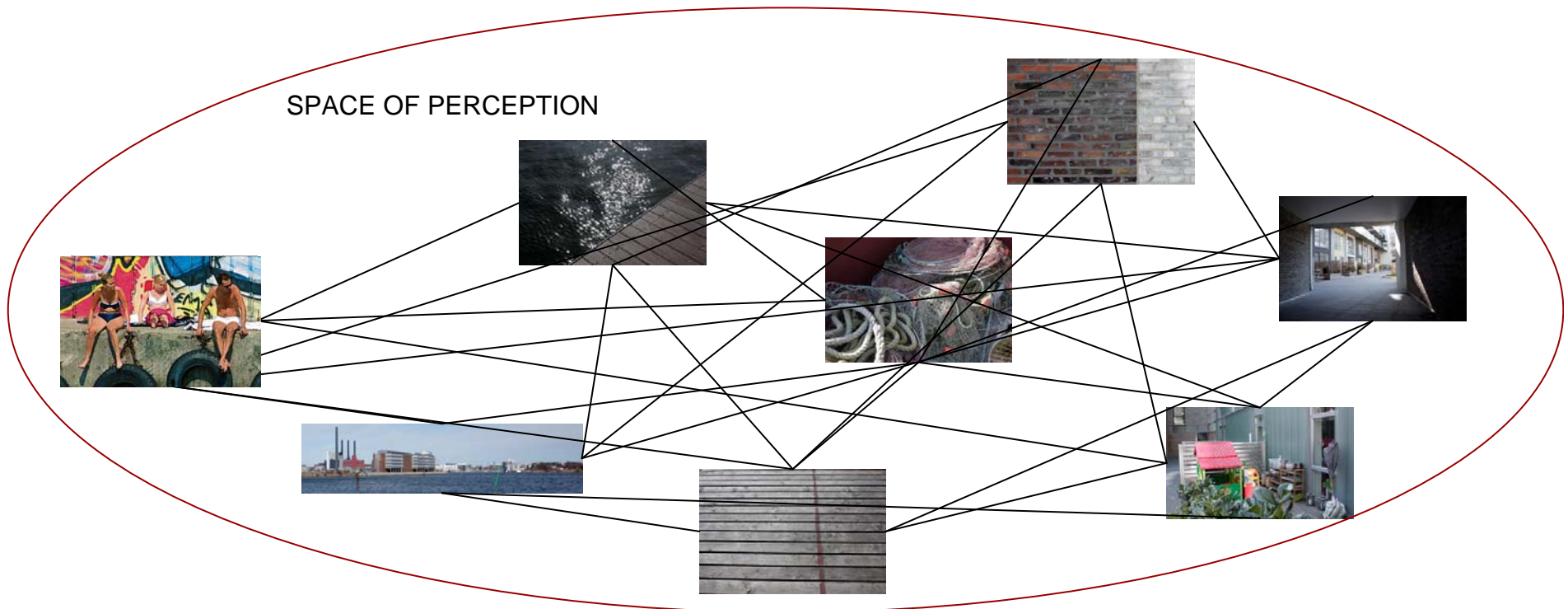
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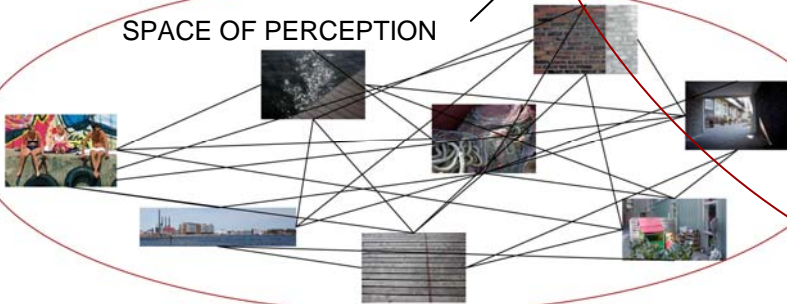


# SPACE OF CONCEPTION OF THE ARCHITECT

## SCALES OF PERCEPTION



## SPACE OF PERCEPTION



# SPACE OF CONCEPTION OF THE ARCHITECT

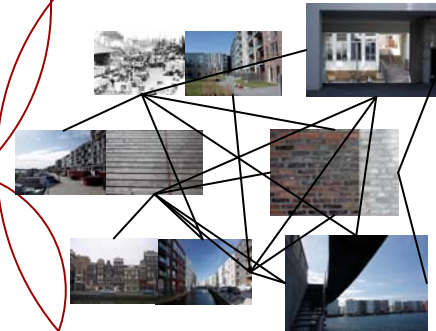
PROJECT

SCALES OF  
PERCEPTION

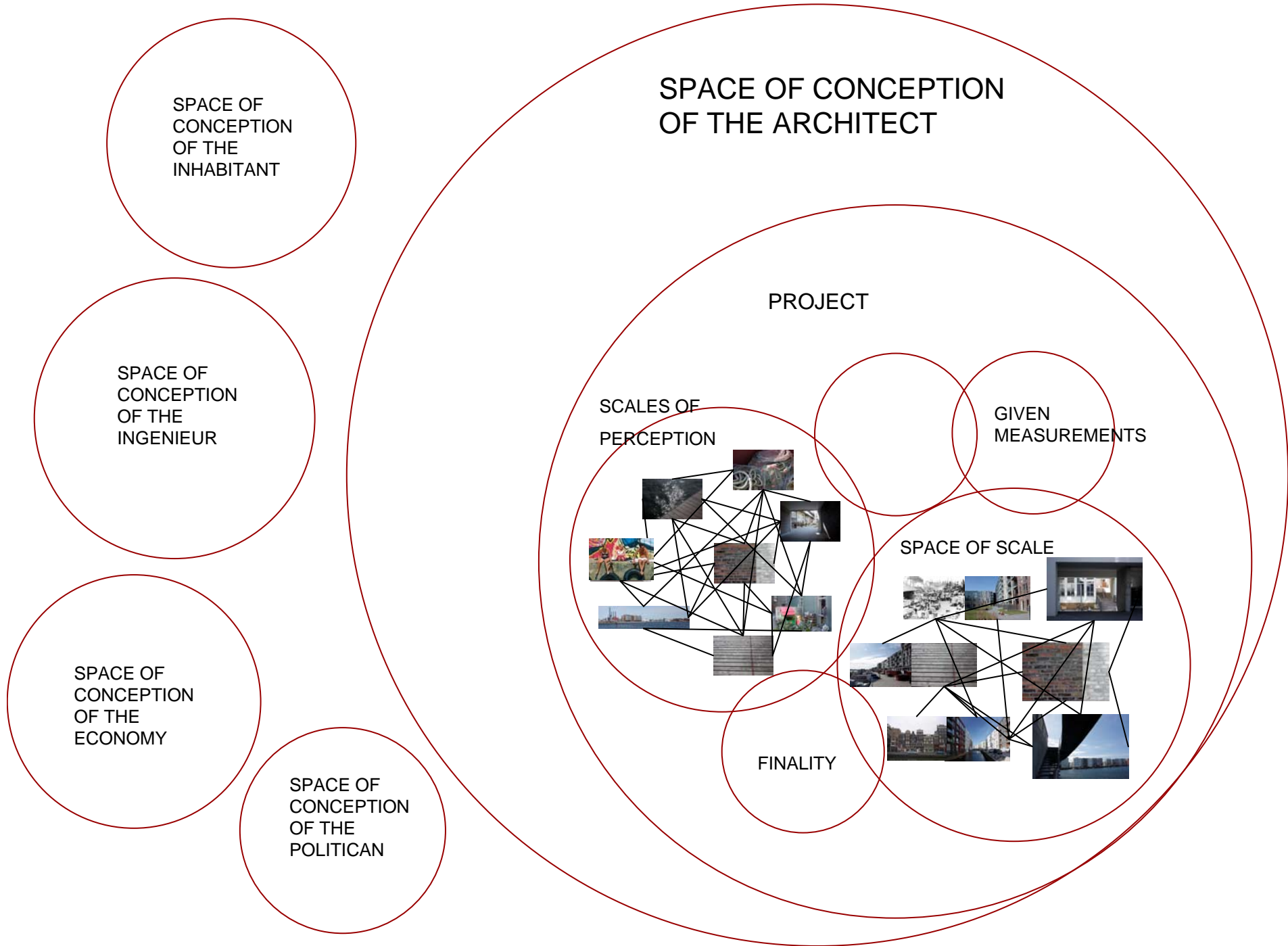


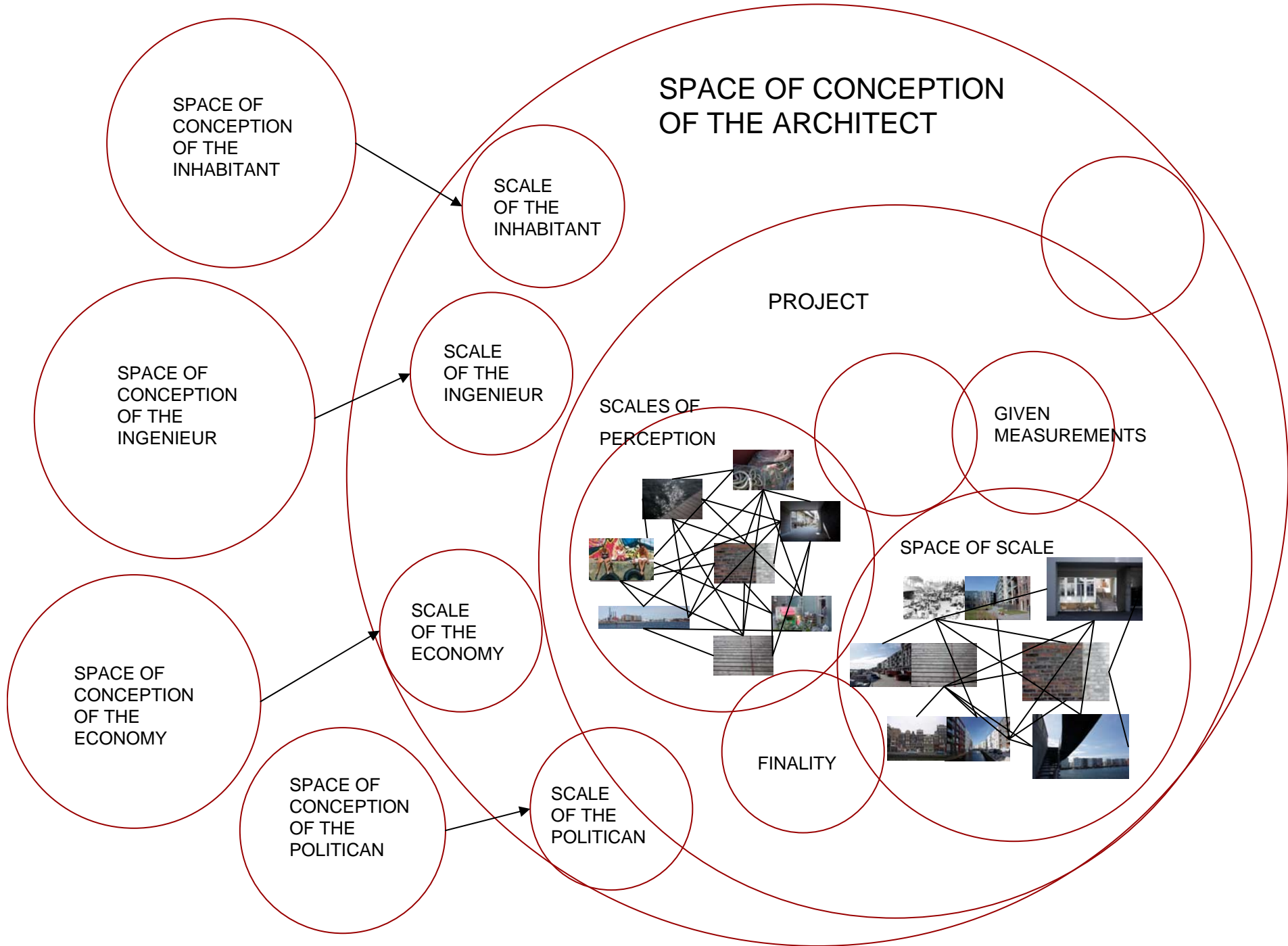
GIVEN  
MEASUREMENTS

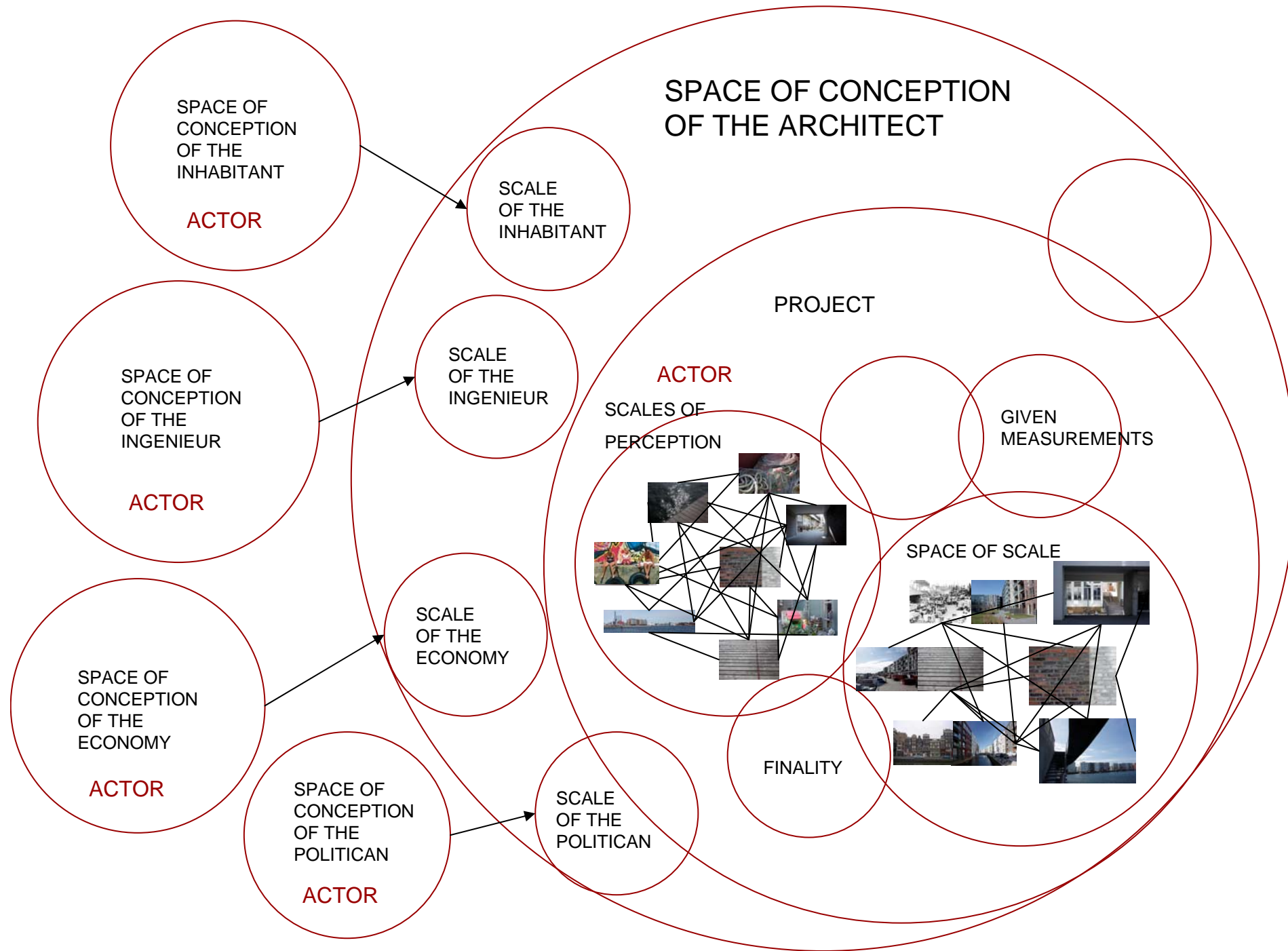
SPACE OF SCALE

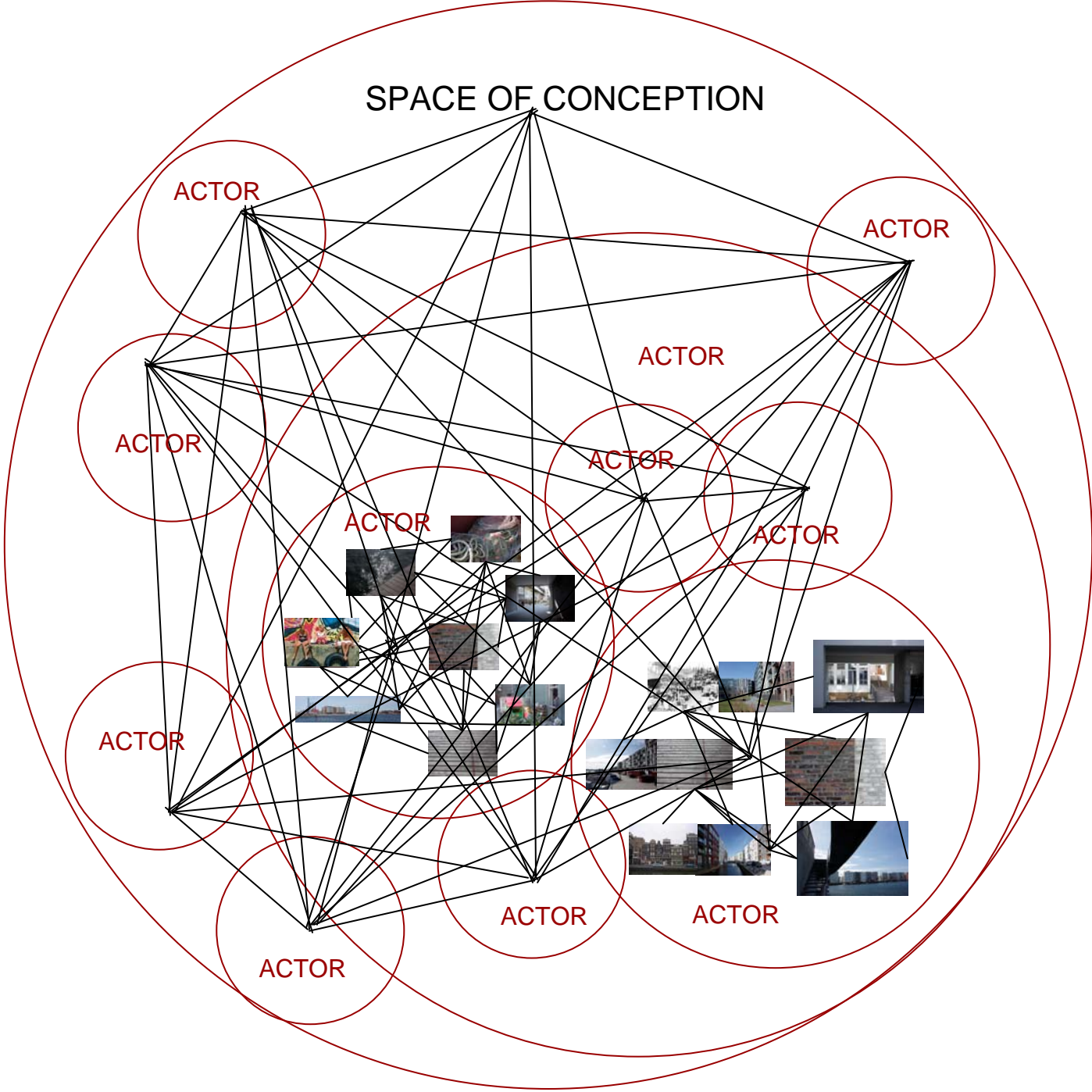


FINALITY

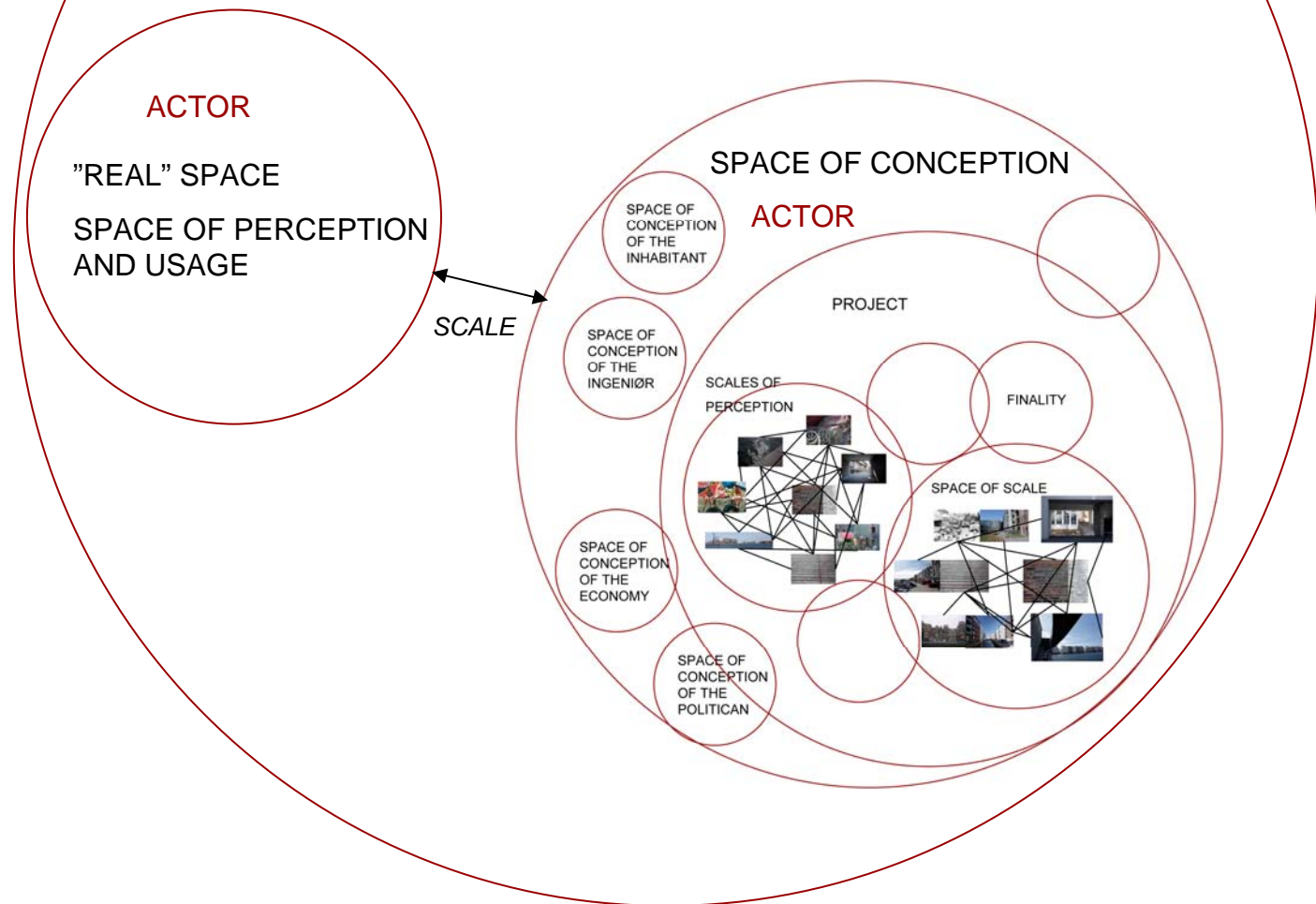








# ARCHITECTURAL SPACE



# ARCHITECTURAL SPACE

ACTOR

ACTOR

"REAL" SPACE  
SPACE OF PERCEPTION  
AND USAGE

SCALE

SPACE OF CONCEPTION

ACTOR

PROJECT

SCALES OF  
PERCEPTION

FINALITY

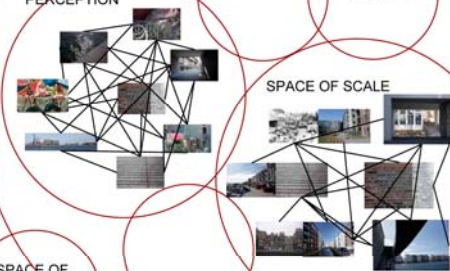
SPACE OF SCALE

SPACE OF  
CONCEPTION  
OF THE  
INHABITANT

SPACE OF  
CONCEPTION  
OF THE  
INGENIOR

SPACE OF  
CONCEPTION  
OF THE  
ECONOMY

SPACE OF  
CONCEPTION  
OF THE  
POLITICAN





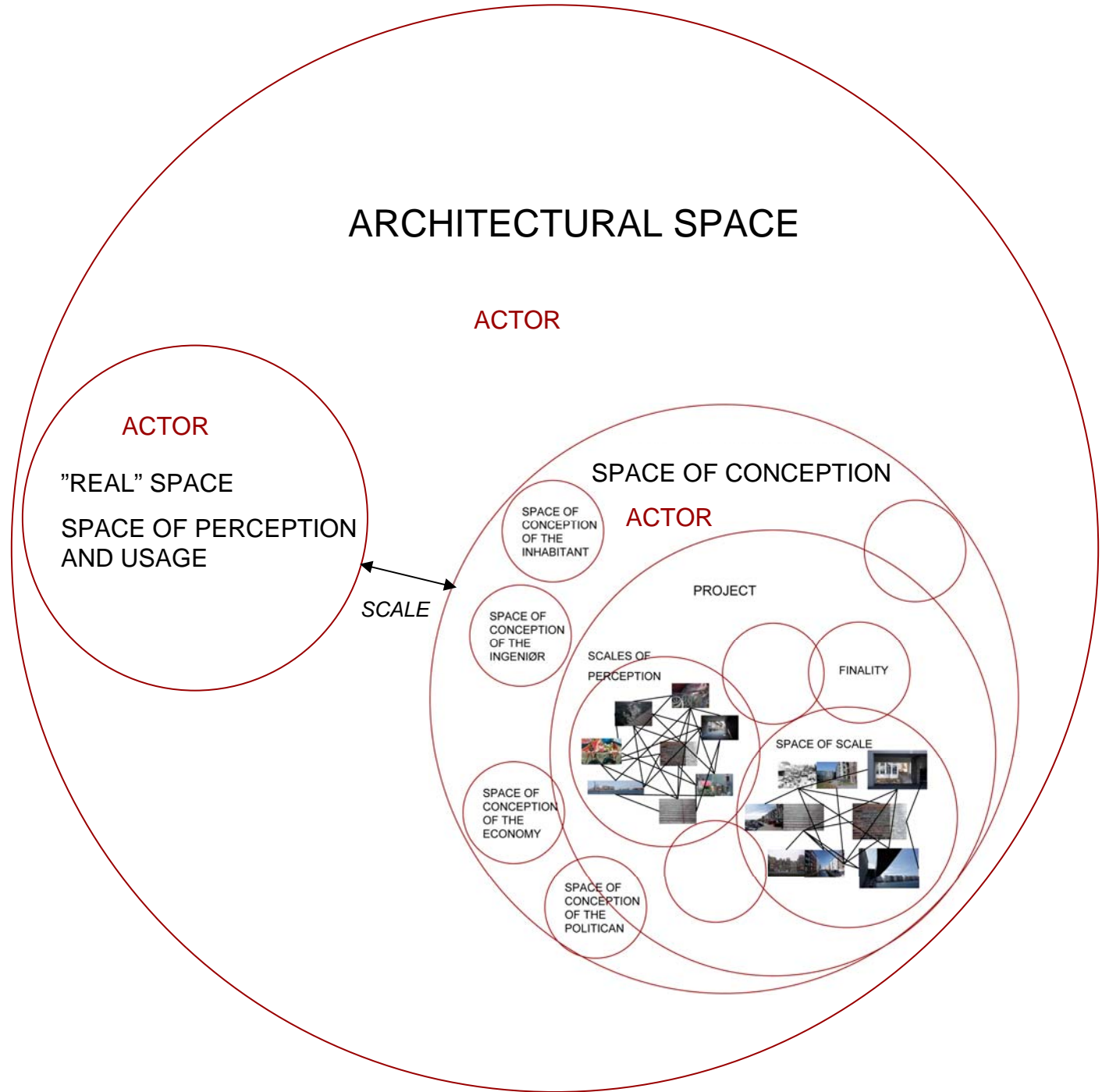
Which connections are strongest (=densest)?

Who creates the strongest (=densest) network?

Which connections stay visible?

Which connections influence the perception and the approval of a new housing area?

What happens, if some actors change, while others stay the same?



# ARCHITECTURAL SPACE

ACTOR

ACTOR

"REAL" SPACE  
SPACE OF PERCEPTION  
AND USAGE

SCALE

SPACE OF CONCEPTION

ACTOR

PROJECT

SCALES OF  
PERCEPTION

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OF THE  
POLITICAN

SPACE OF  
CONCEPTION  
OF THE  
INHABITANT

SPACE OF  
CONCEPTION  
OF THE  
INGENIØR

*“There are wonderful things in the nature of man which can be brought out, if you think of design in a fundamental way. Empathy, for instance, is a realisation of in-common-ness - that which is true to all man. In-common-ness is not just common place. It is a kind of transcendency, commonness in transcendence. It is where you and I become ‘thou`, instead of just I.”*

(Louis Kahn: “Nature of Nature” (1961))