

A METHODOLOGICAL FRAMEWORK FOR POSITIONING RESIDENTS' SUBJECTIVE EXPERIENCES IN PHYSICAL ENVIRONMENTS

SANDER LAMBRIX

HOUSE research project
Hasselt University + Vrije Universiteit Brussel



1. INTRODUCTION

- HOUSE project
- context & theme

2. METHOD

- literature basis
- framework description

3. APPLICATION

- focus group composition
- method
- results

1. INTRODUCTION

from the conference call :

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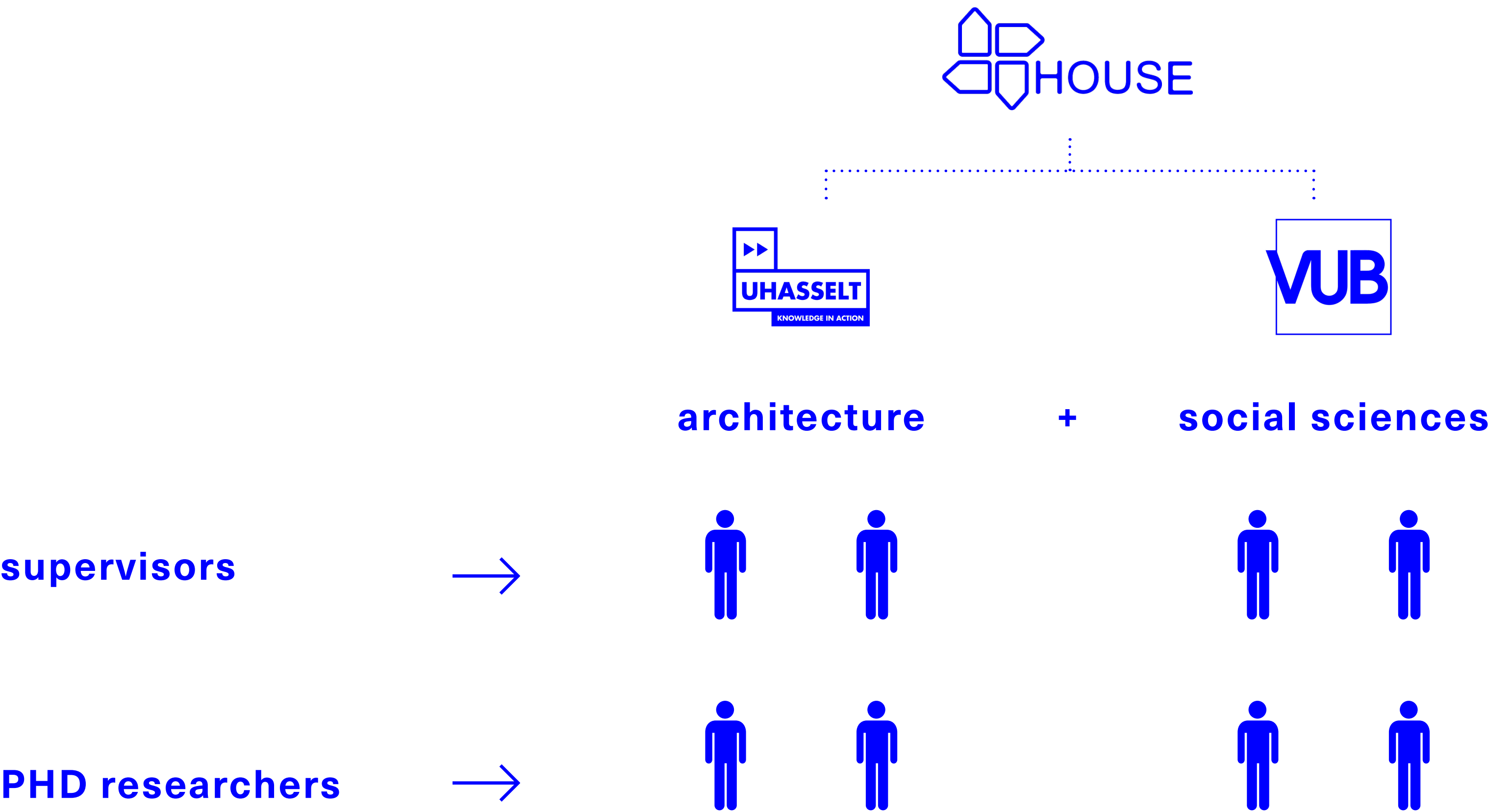
PHD research focus :

“Which architectural components of the residential environment influence the subjective wellbeing of residents and in which way?”

1. INTRODUCTION

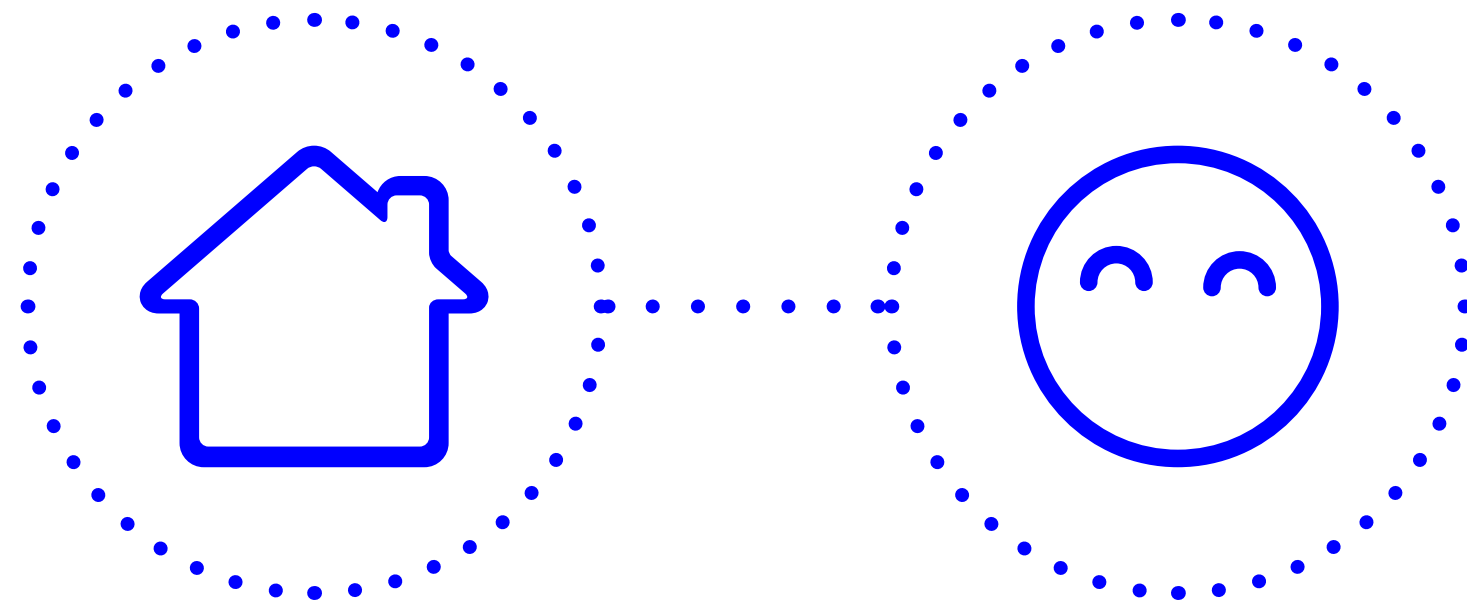


1. INTRODUCTION



1. INTRODUCTION

socio-physical environment



housing

**subjective
wellbeing**

1. INTRODUCTION

“socio-physical environment” in recent articles :

AUTHOR	YEAR
Ruggiano	2012
Baillie	2014
Mandarin	2017
Wahl	2019
Nguyen	2020
Sebastien	2020
Matysiak	2022

1. INTRODUCTION

“socio-physical environment” in recent articles :

AUTHOR	YEAR	JOURNAL	BACKGROUND
Ruggiano	2012	Research on Aging	Social work
Baillie	2014	BioMedCentral Public Health	Medical School
Mandarin	2017	Social Indicators Research	Social Psychology
Wahl	2019	The Cambridge Handbook of Successful Aging	Environmental Gerontology
Nguyen	2020	Journal of Cleaner Production	Environmental Science + Engineering
Sebastien	2020	Geoforum (human geography and related fields)	Environmental Geography
Matysiak	2022	Journal of Rural Studies	Philosophy and Sociology

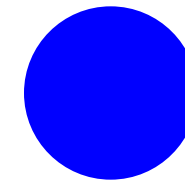
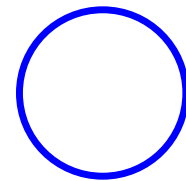
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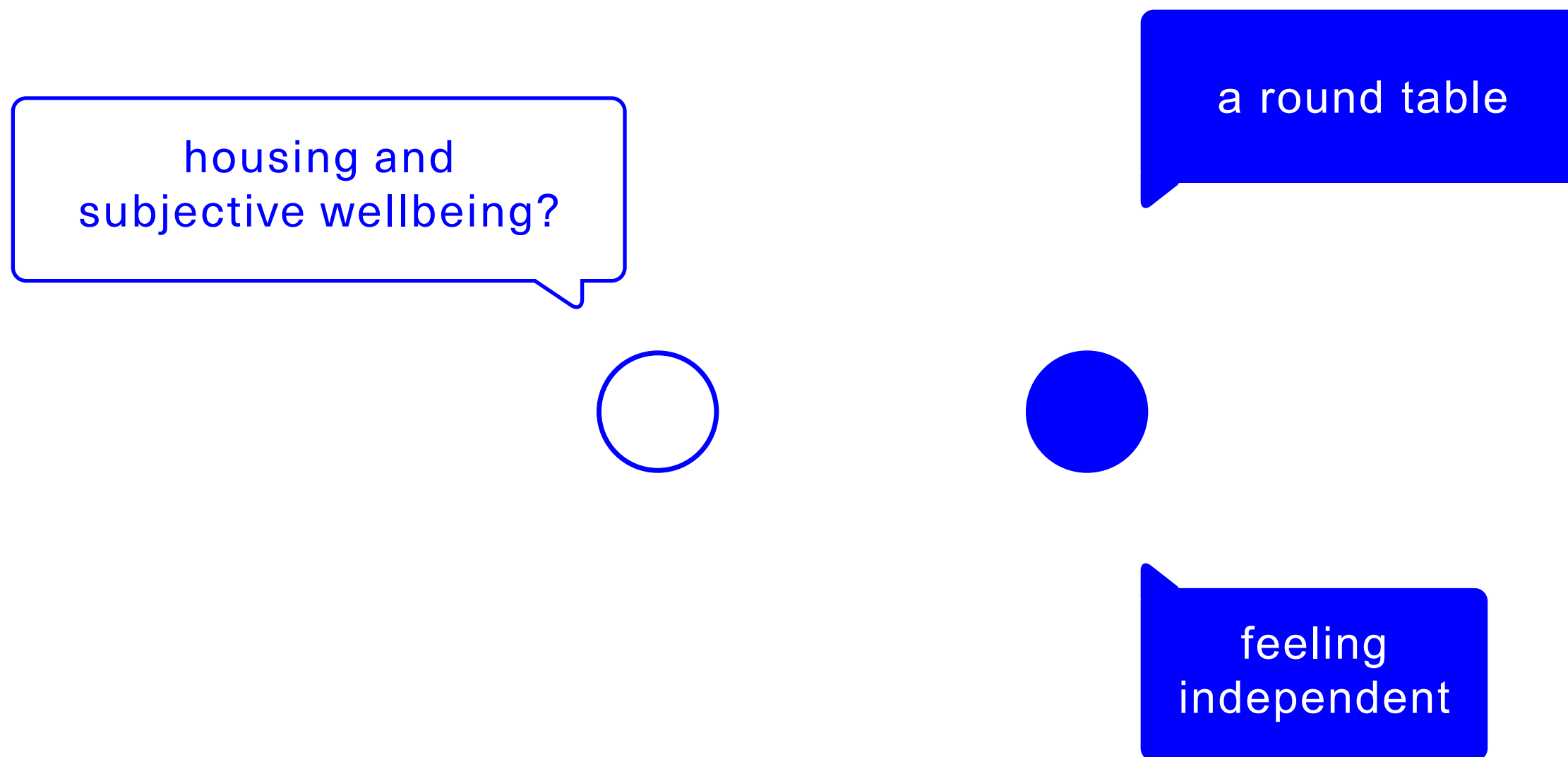
AUTHOR	YEAR	INTERPRETATION
Ruggiano	2012	sharing space and resources
Baillie	2014	household crowding and hygienic conditions
Mandarin	2017	size of urban centers + local services
Wahl	2019	home + neighbourhood + social policy
Nguyen	2020	air quality
Sebastien	2020	physical and concrete places
Matysiak	2022	affordable housing options + accessibility to services

1. INTRODUCTION

housing and
subjective wellbeing?

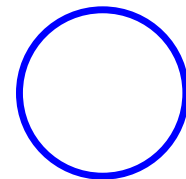


1. INTRODUCTION

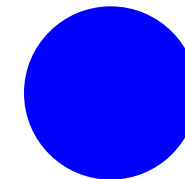


1. INTRODUCTION

housing and
subjective wellbeing?



It's a round table. We sit here with 4 people and everybody is on the same level. In the case of a rectangular table, somebody sits at the head and is the boss. Here, the table is round, that's very important to me.



feeling
independent

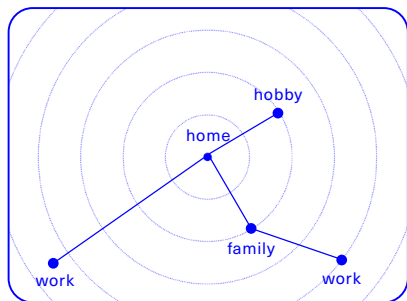
1. INTRODUCTION

housing and
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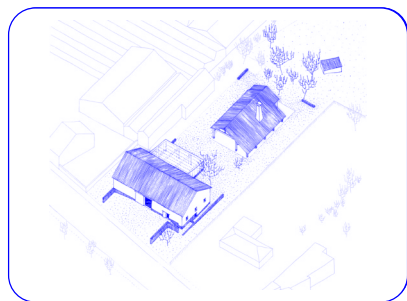
a round table

The good thing was that I suddenly
was independent. I was allowed to
ride my bike alone during my first year
of school. That was a very good time.

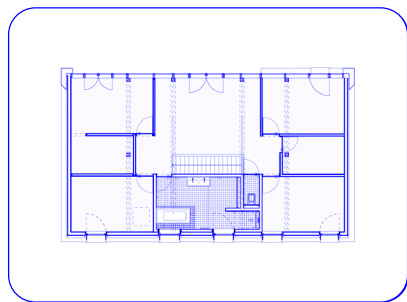
1. INTRODUCTION



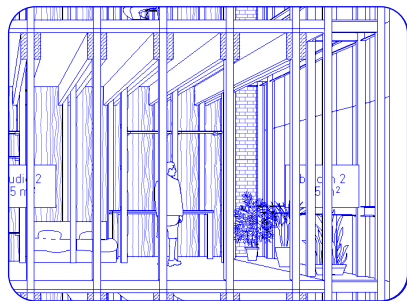
1.
life environment



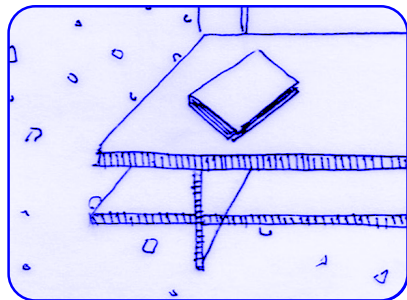
2.
neighbourhood



3.
dwelling

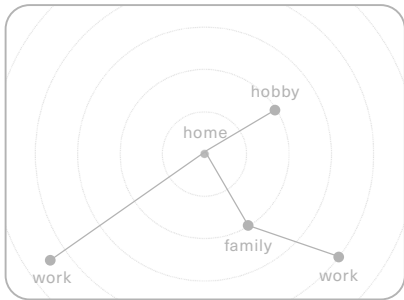


4.
structure + materials



5.
personal stuff

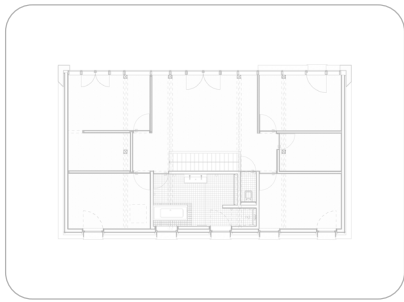
2. METHOD



1.
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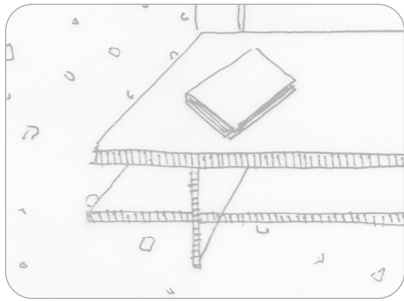
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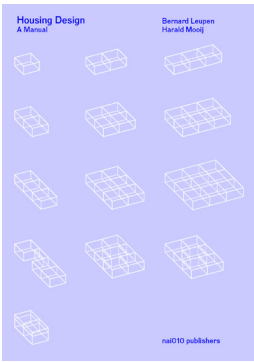


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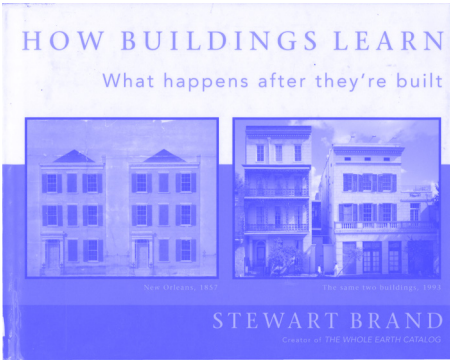


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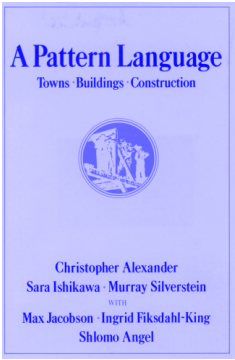
Leupen & Mooij
Housing Design, A Manual
2016



Brand
How Buildings Learn
1994

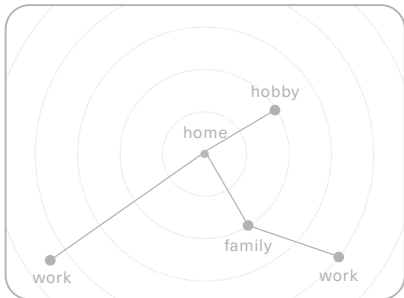
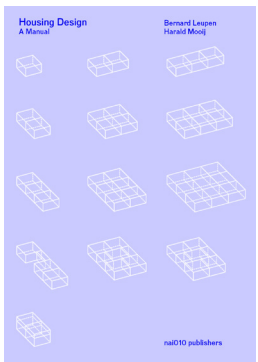


Alexander
A Pattern Language
1994

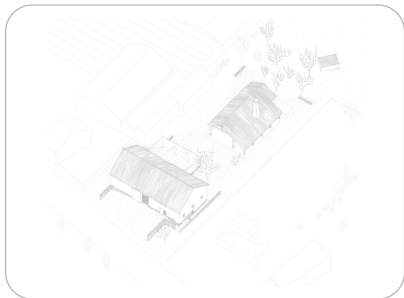


2. METHOD

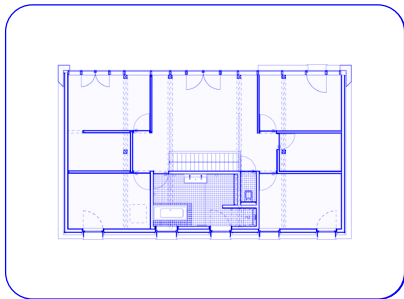
Leupen & Mooij, based on Argan (1991)
Housing Design, A Manual
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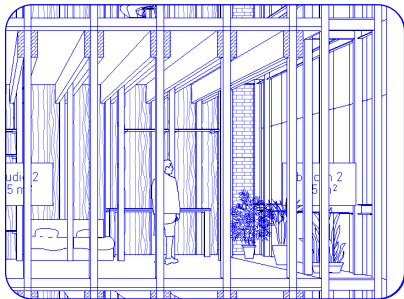
1.
life environment



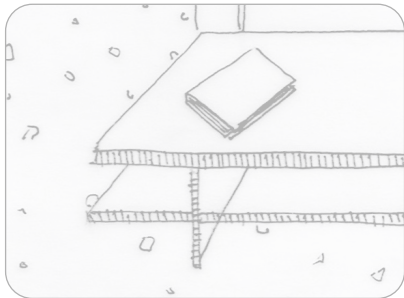
2.
neighbourhood



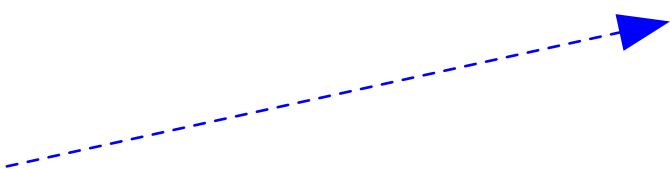
3.
dwelling



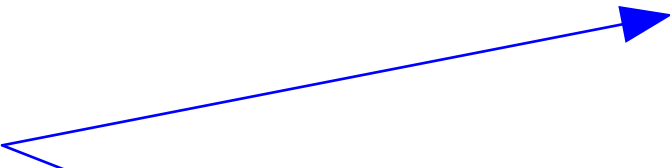
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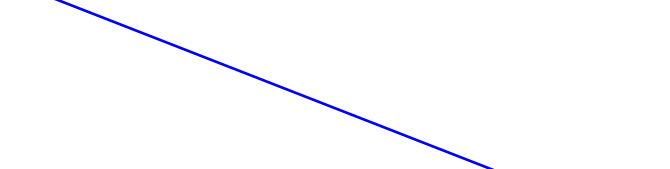


1. urban ensemble



2. residential building

- 2.1 linking and stacking
- 2.2 dwelling access



3. dwellings

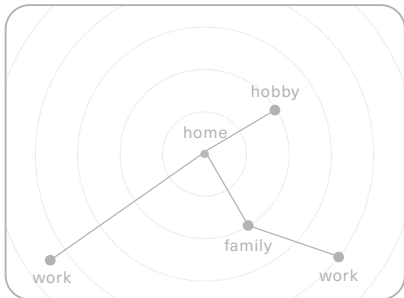
- 3.1 spatial organization
- 3.2 form of the dwelling



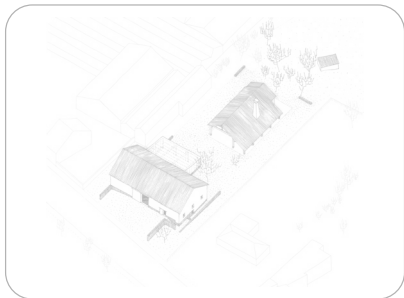
4. tectonics

- 4.1 structure
- 4.2 skin
- 4.3 scenery
- 4.4 services

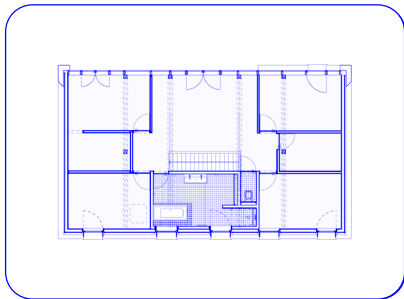
2. METHOD



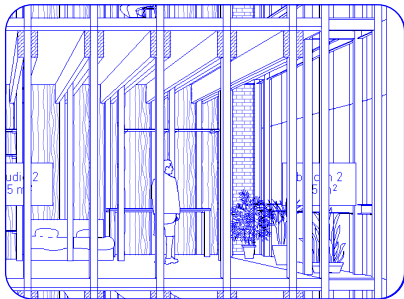
1. life environment



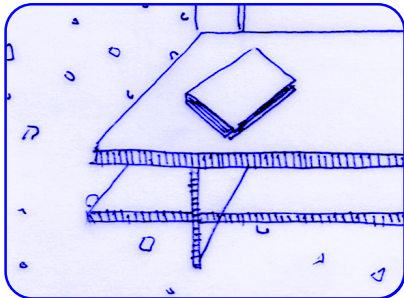
2. neighbourhood



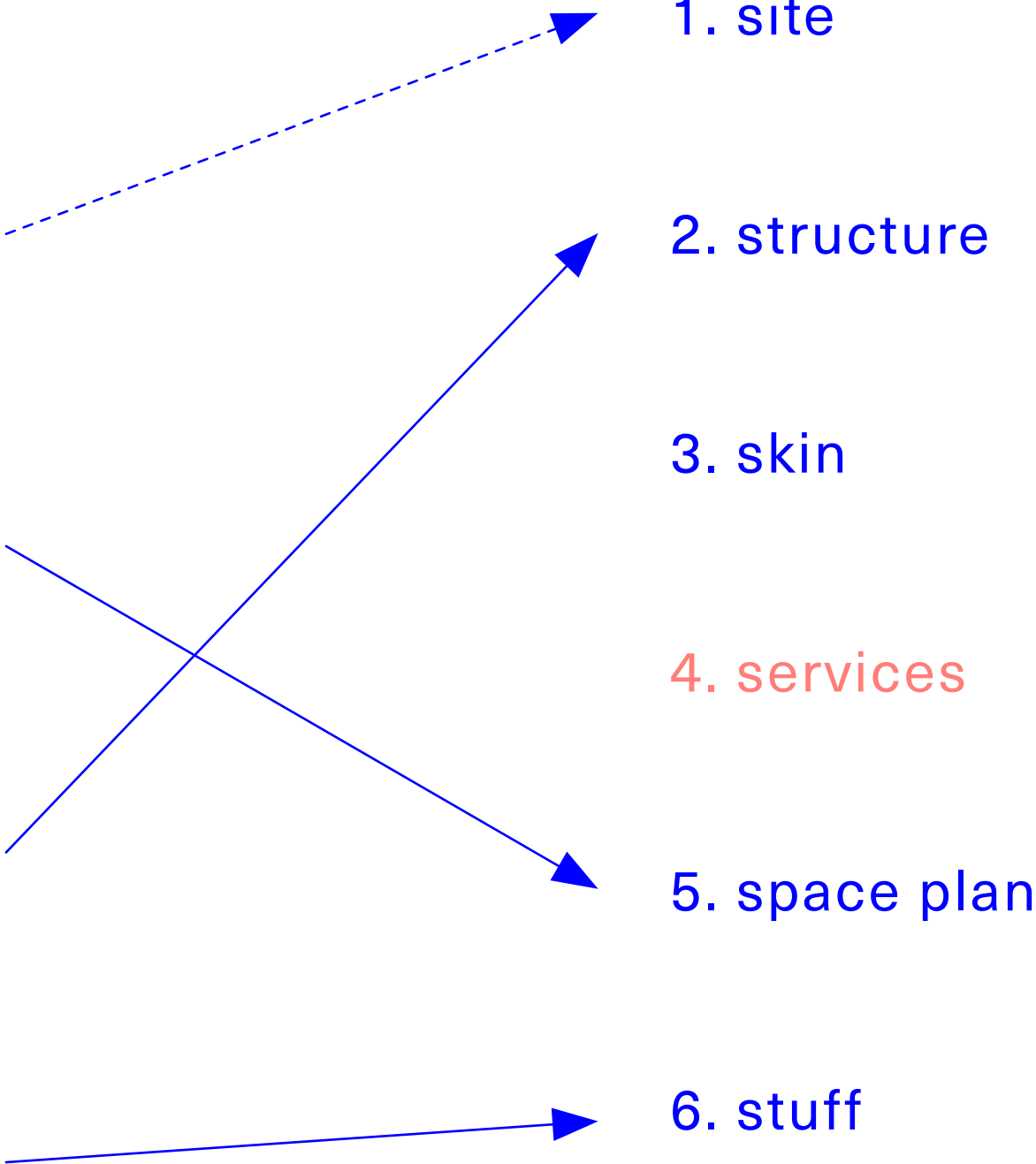
3. dwelling



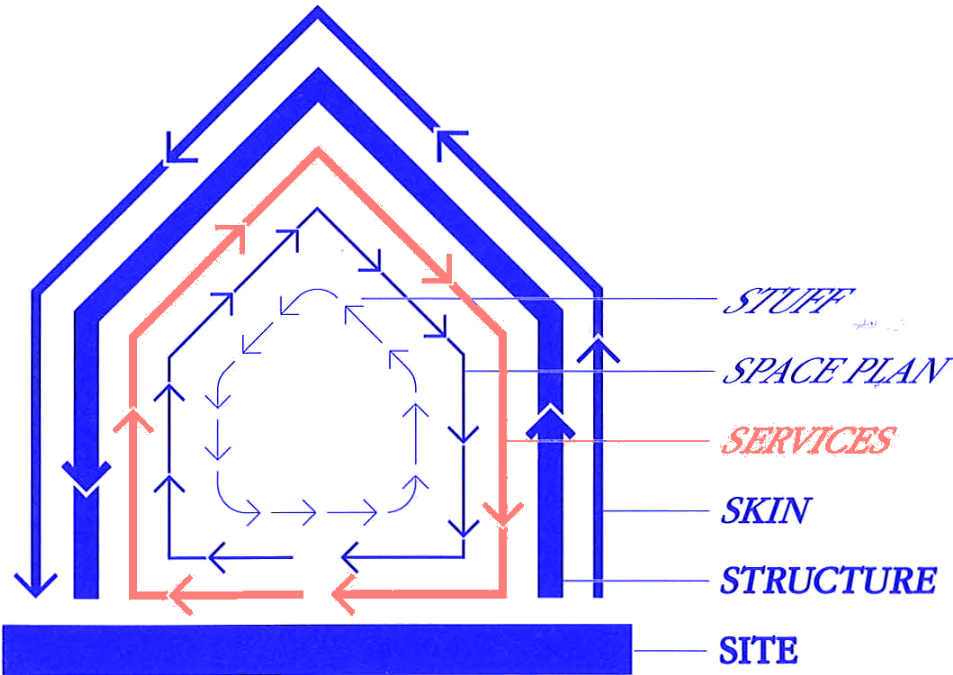
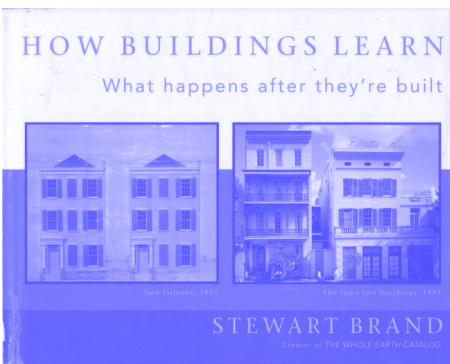
4. structure + materials



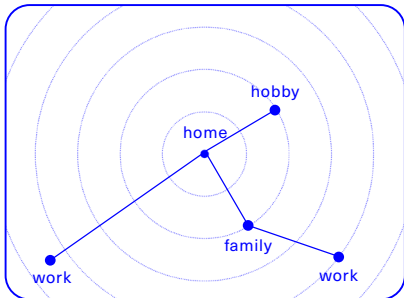
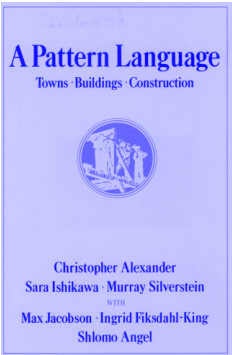
5. personal stuff



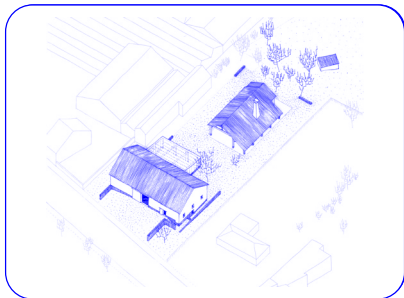
Brand
How Buildings Learn
1994



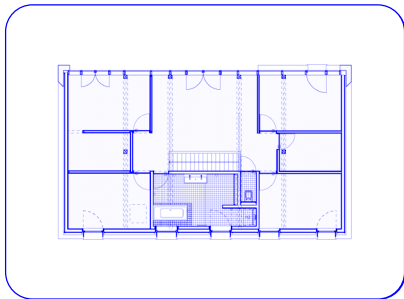
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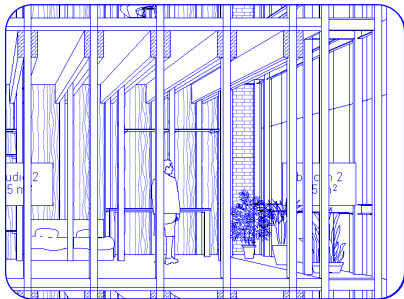
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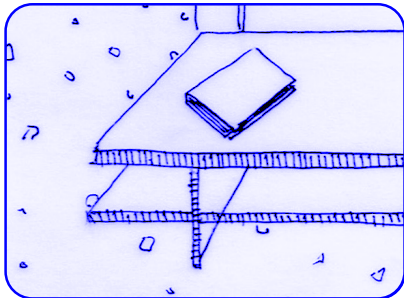
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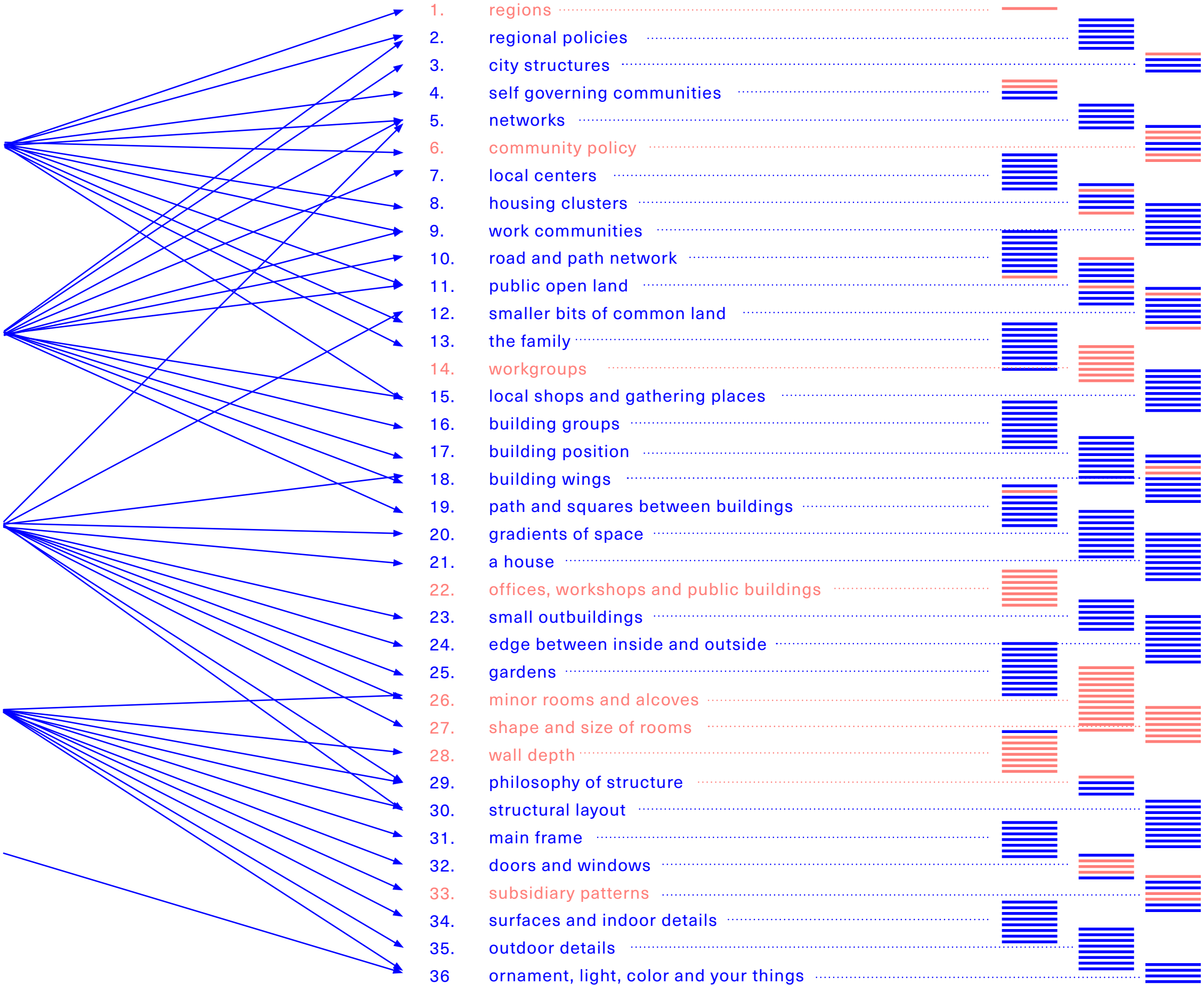
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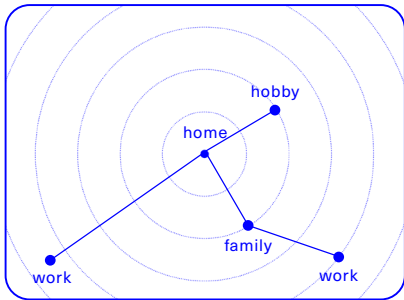
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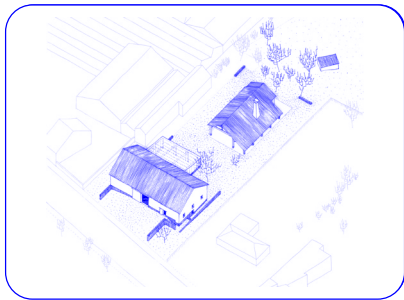
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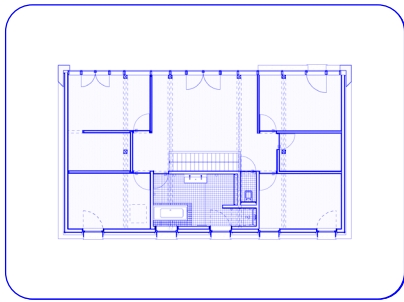
2. METHOD



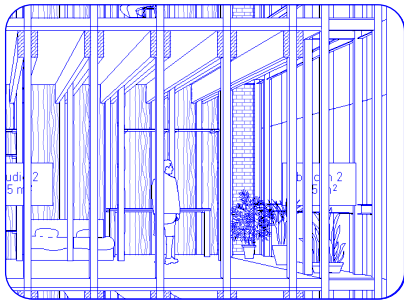
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life environment



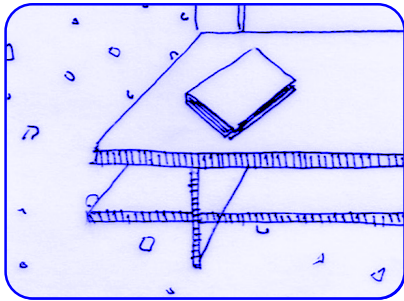
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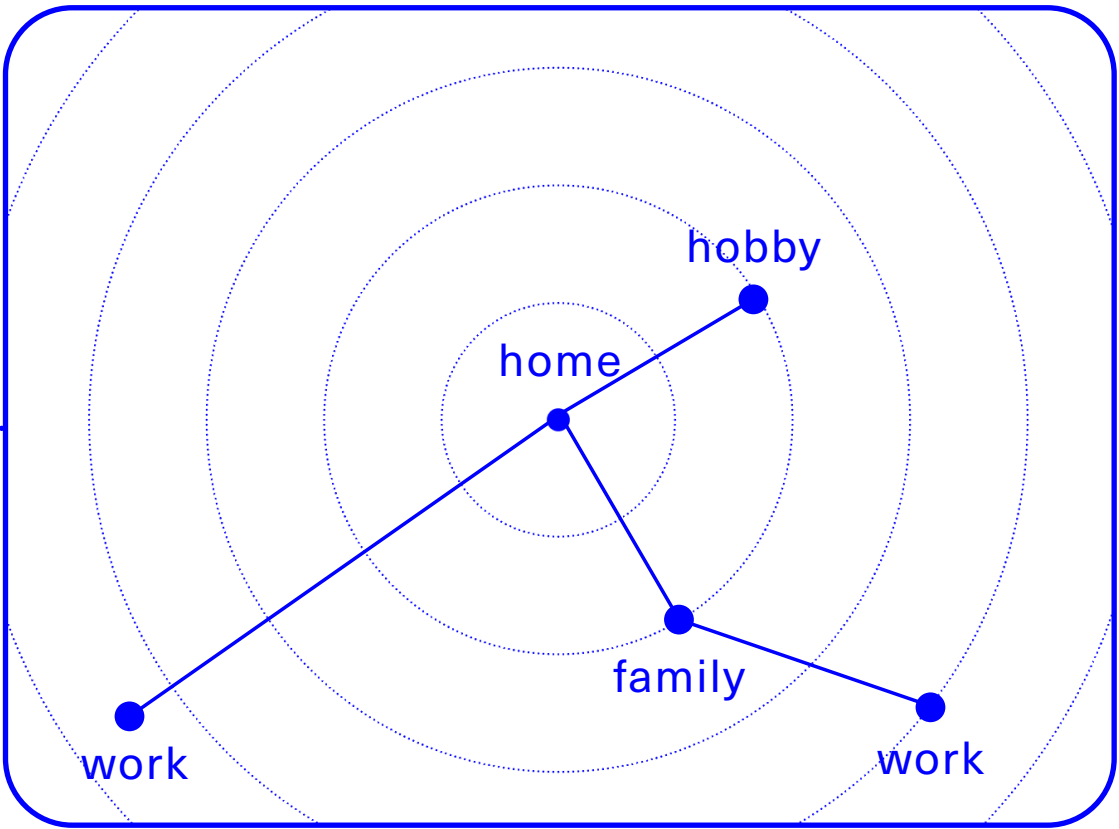
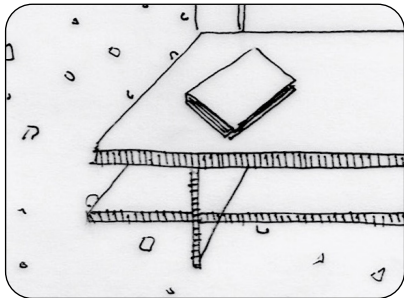
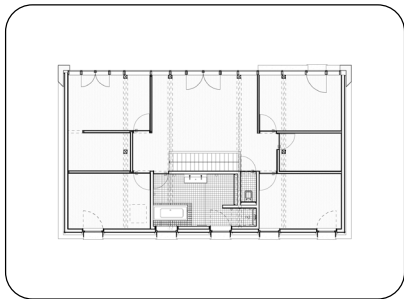
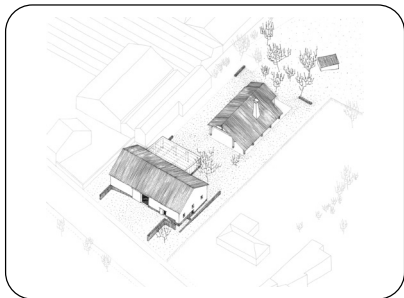
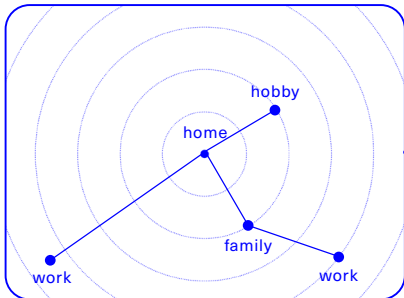


4.
structure + materials



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personal stuff

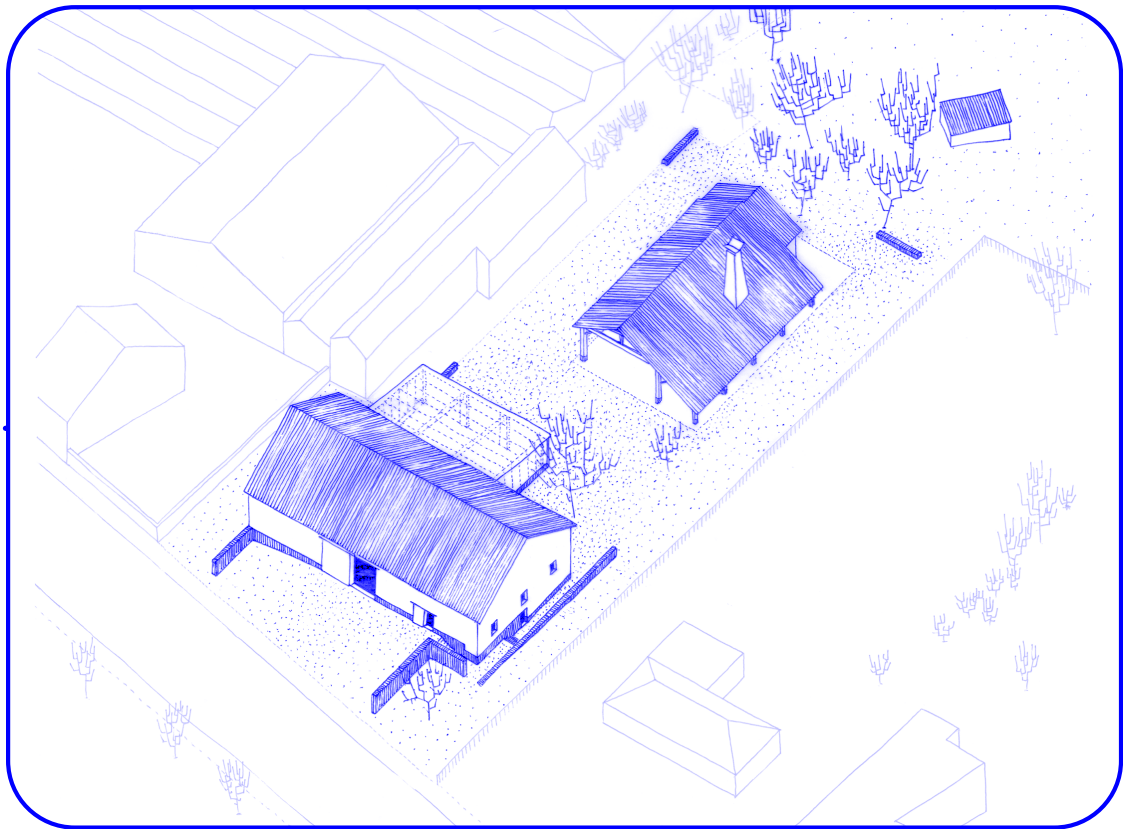
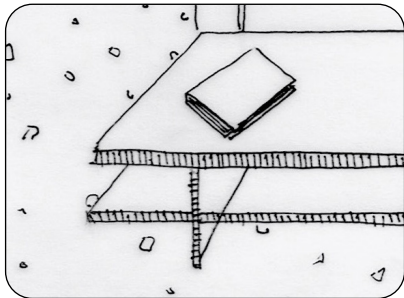
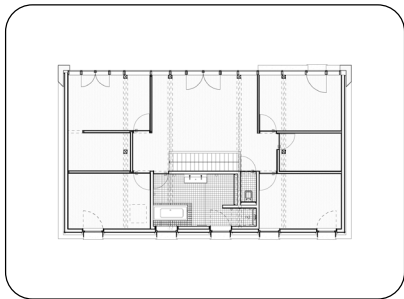
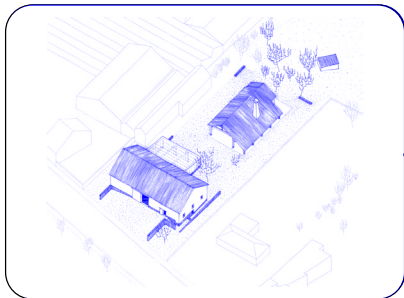
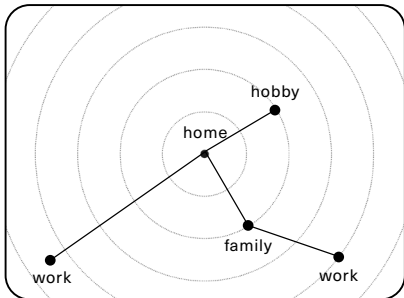
2. METHOD



1. LIFE ENVIRONMENT

- physical distance
- mobility
- access social contacts
- access to services

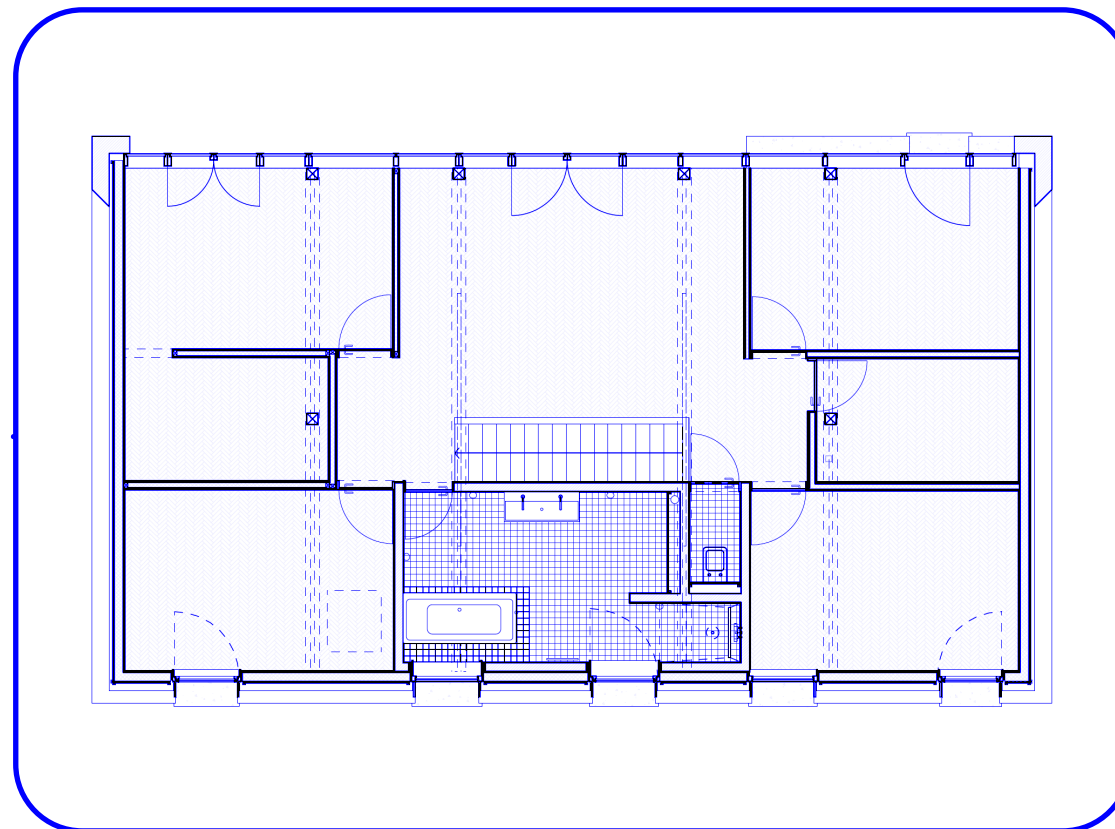
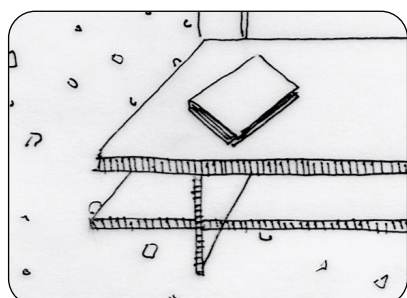
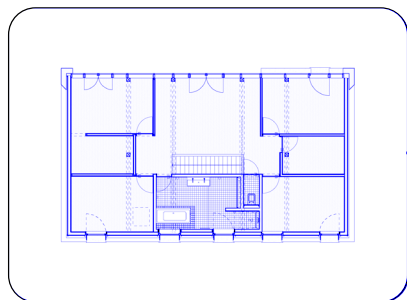
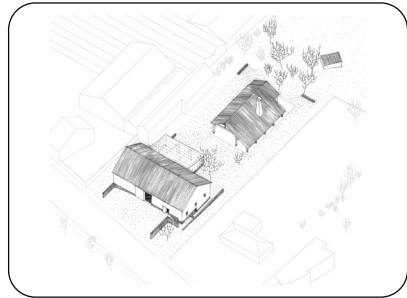
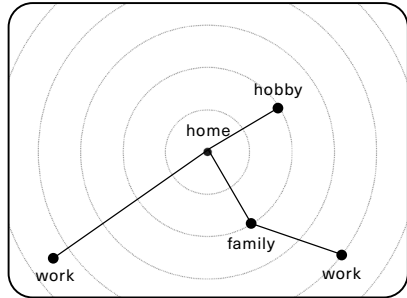
2. METHOD



2. NEIGHBORHOOD

- public spaces
- shared with others
- sense of community

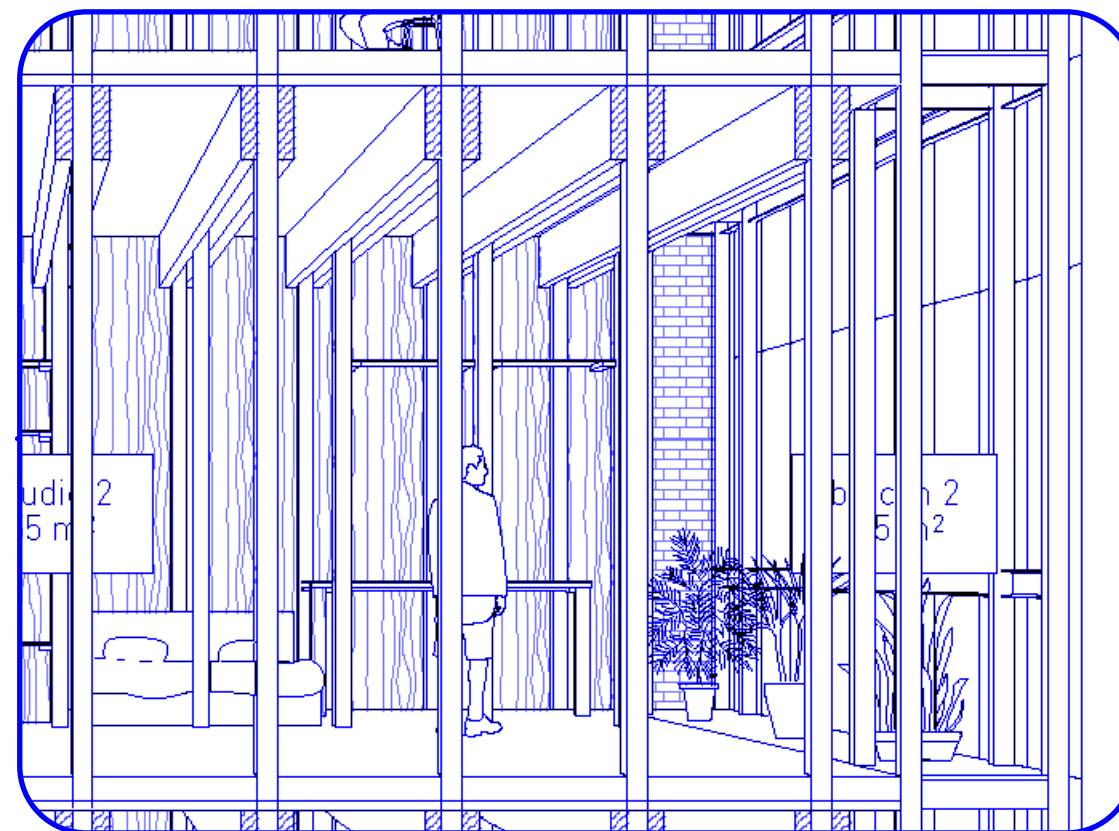
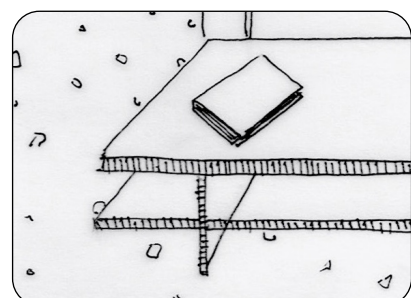
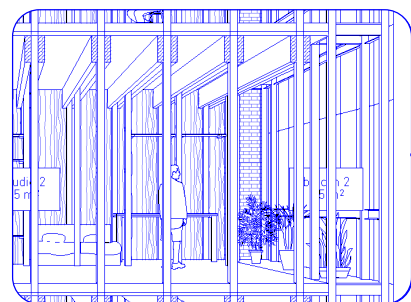
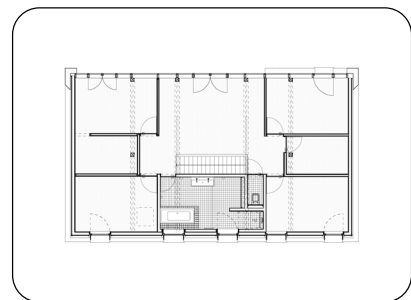
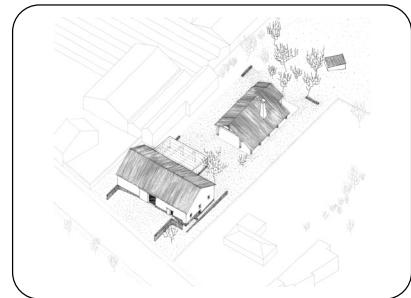
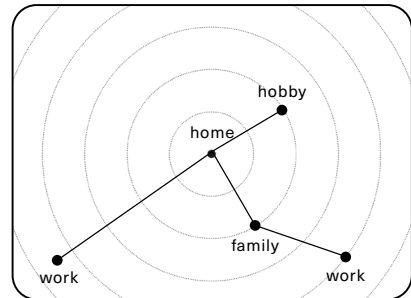
2. METHOD



3. DWELLING

- interior + exterior
- household
- single house vs. housing complex
- sharing of spaces
- privacy
- relation to activities

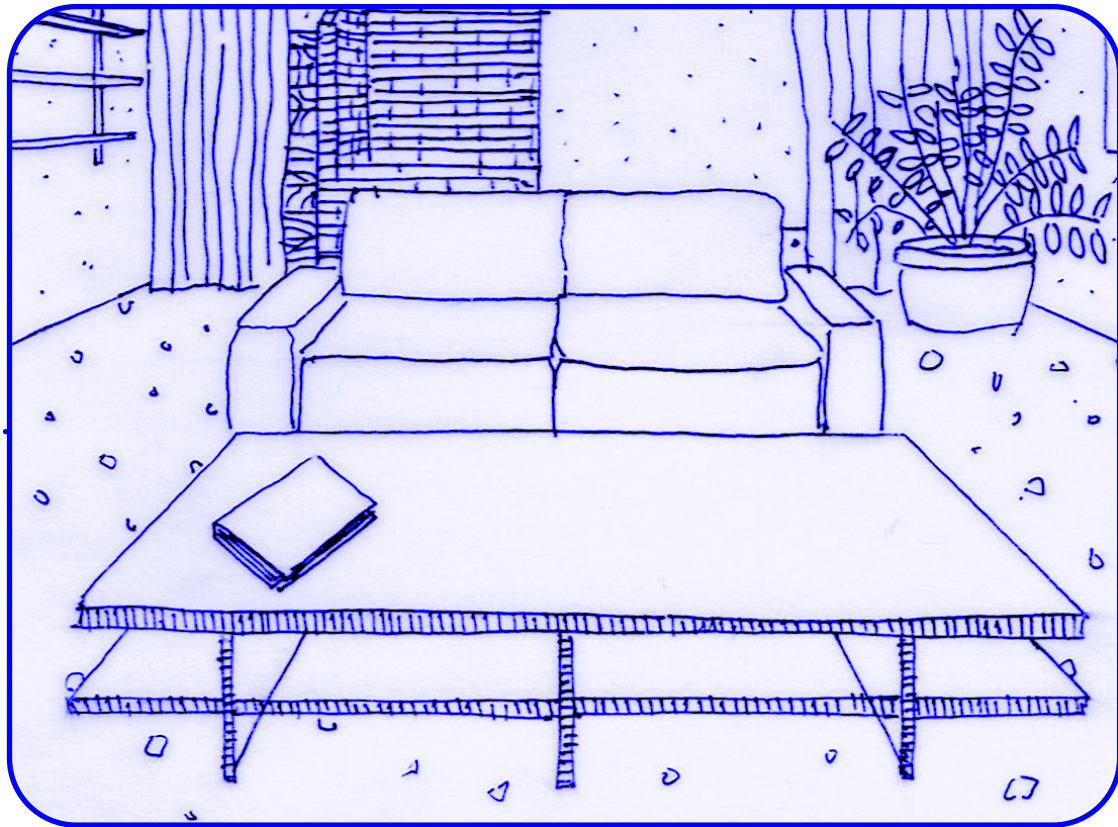
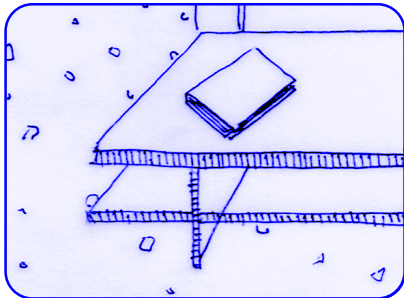
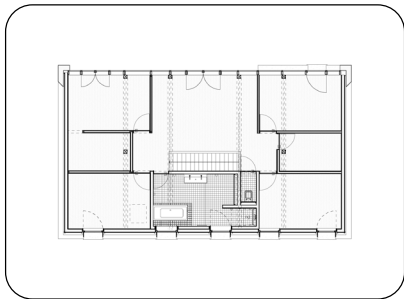
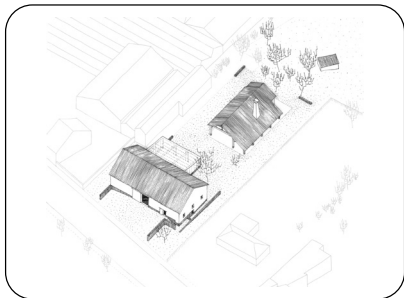
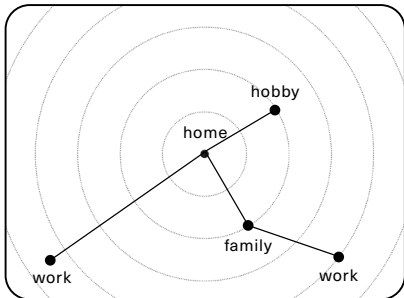
2. METHOD



4. STRUCTURE + MATERIALS

- balance between structure + finishing
- physical mass vs. space
- tactility
- perceived through senses

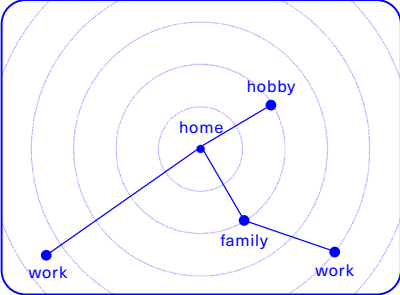
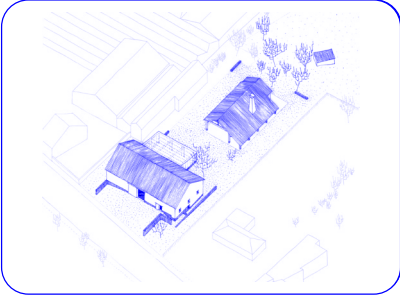
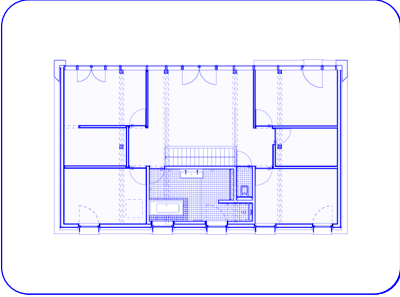
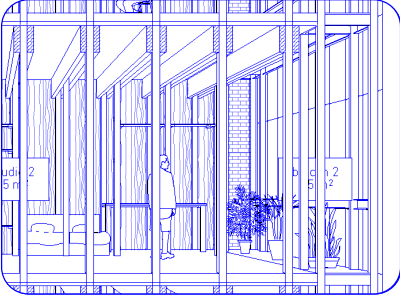
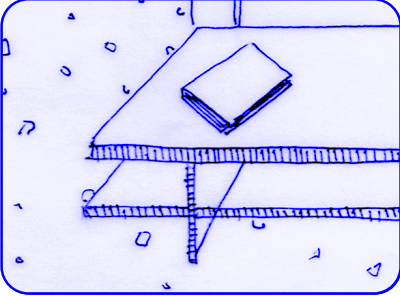
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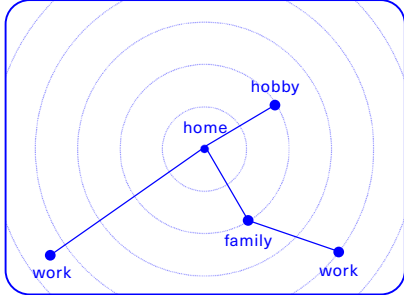
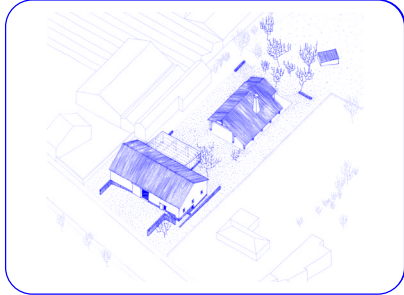
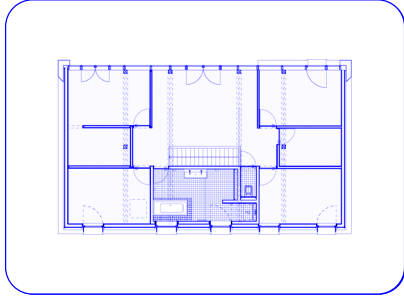
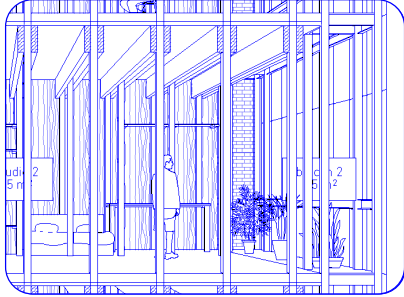
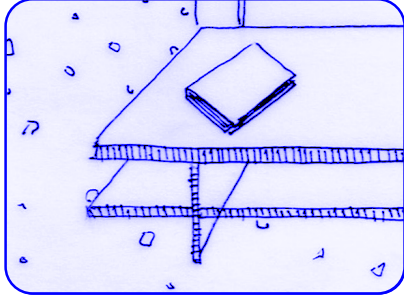
5. PERSONAL STUFF

- not part of the building
- any size
- memories

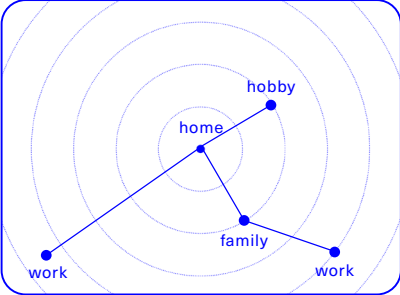
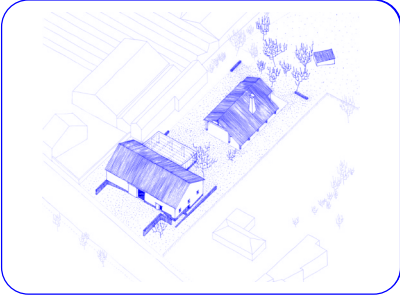
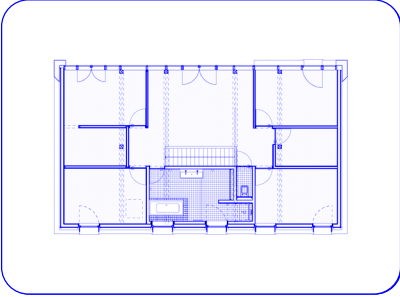
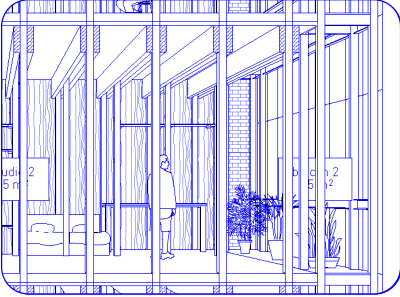
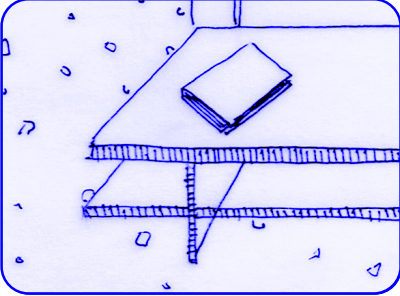
2. METHOD

	TITLE	DESCRIPTION
	1. life environment	
	2. neighbourhood	
	3. dwelling	
	4. structure + materials	
	5. personal stuff	

2. METHOD

	TITLE	DESCRIPTION	PHYSICAL ANALYSIS
	1. life environment		
	2. neighbourhood		
	3. dwelling		
	4. structure + materials		
	5. personal stuff		

2. METHOD

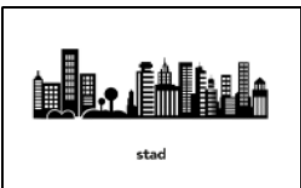
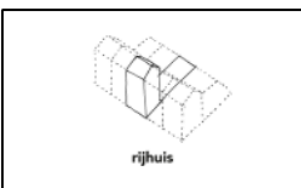
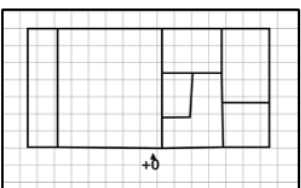
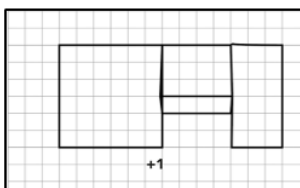
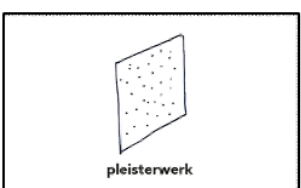
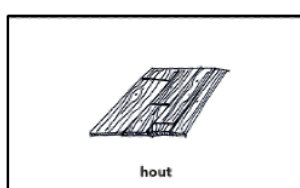
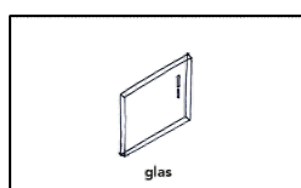
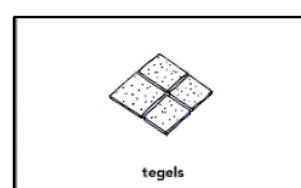
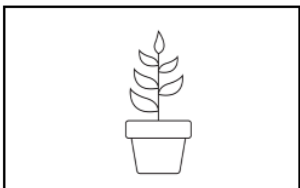
	TITLE	DESCRIPTION	PHYSICAL ANALYSIS	SOCIAL ANALYSIS
	1. life environment			
	2. neighbourhood			
	3. dwelling			
	4. structure + materials			
	5. personal stuff			

3. APPLICATION

- focus group composition :
- policy
 - (social) housing developers
 - academic research
 - consulting
 - older residents

3. APPLICATION



☺	KIES HIER !	MIJN SITUATIE →			
☺ ☹		 provincie	 binnen de gemeente		
☺ ☹		 stad			
☺ ☹		 rijhuis			
☺ ☹		 +0	 +1		
☺ ☹		 pleisterwerk	 hout	 glas	 tegels
☺ ☹		bed		TV	

3. APPLICATION

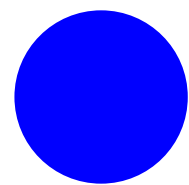


3. APPLICATION

focus group results :

- usability
- possible additions to the layers
- advantages of using the framework

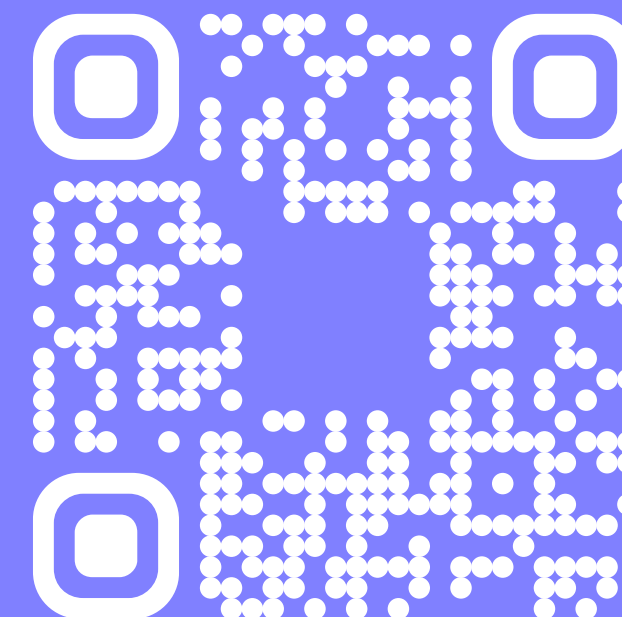
We very often choose durable materials in terms of maintenance, tile floors for example. But a tile floor gives little warmth, instinctively, and that's something I will keep in mind from now on.



housing developer

HOUSE RESEARCH PROJECT

info@HOUSE-research.be
www.HOUSE-research.be



AUTHOR

Sander Lambrix

sander.lambrix@uhasselt.be

CO AUTHORS

Mirte Clerix

mirte.clerix@uhasselt.be

Prof. dr. Ann Petermans

ann.petermans@uhasselt.be

Prof. dr. Jan Vanrie

jan.vanrie@uhasselt.be

Prof. dr. An-Sofie Smetcoren

an-sofie.smetcoren@vub.be

