



# Berlin - the influence of the cultural differences of the inhabitants on the typical features of the contemporary urban space

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**ANNUAL CONFERENCE  
ON ARCHITECTURE AND URBANISM 2022  
NEW RESEARCH DIRECTIONS IN THE VOLATILE WORLD**

## BERLÍN | BERLIN

Kronenberg a Minköthen | Kronenberg and Minköthen

Analyza rozdílných kulturních vlivů s dopadem na změny urbánního prostředí

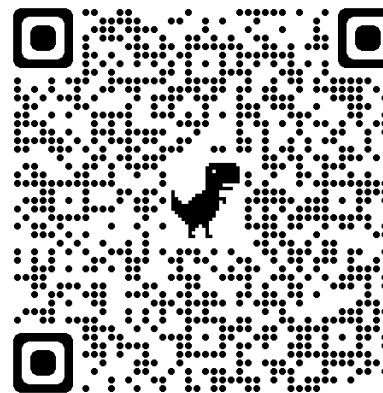
An analysis of different cultural influences with an impact on urban changes

Ing. arch. Monika Moggert

**Berlín – vliv kulturních rozdílů obyvatel na typické znaky soudobého městského prostoru**

Berlin – the influence of cultural differences of inhabitants on the typical features of contemporary urban space

Berlin – der Einfluss kultureller Unterschiede zwischen den Einwohnern auf die typischen Merkmale des zeitgenössischen städtischen Raums



DIGITAL PUBLICATION

## RESEARCH AIM

- evaluation the changes in public urban space concerning the demographic transformation of Europe
- monitoring the influence of a social phenomenon on the urban-architectural structure of the city
- create a methodology for evaluating this issue

## WHY THIS TOPIC?

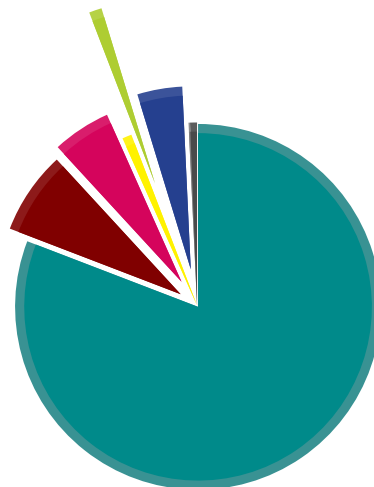
- topicality - demographic change in Europe:
  - population dynamics:
    - natural population decline x international (and inter-continental) migration
- the topic deals with the context of international migration (outside the EU) and urban space

## RESEARCH QUESTIONS

- Do foreigners and residents with a migration background have an impact on urban space?
- Are they changing it?
- How do they change it?

# WHY BERLIN?

Germany	3 000 700
Evrope EU	272 000
Evrope besides EU	191 000
Africa	31 000
America	42 000
Asia	148 000
Australia	5 000
Jiné	23 000

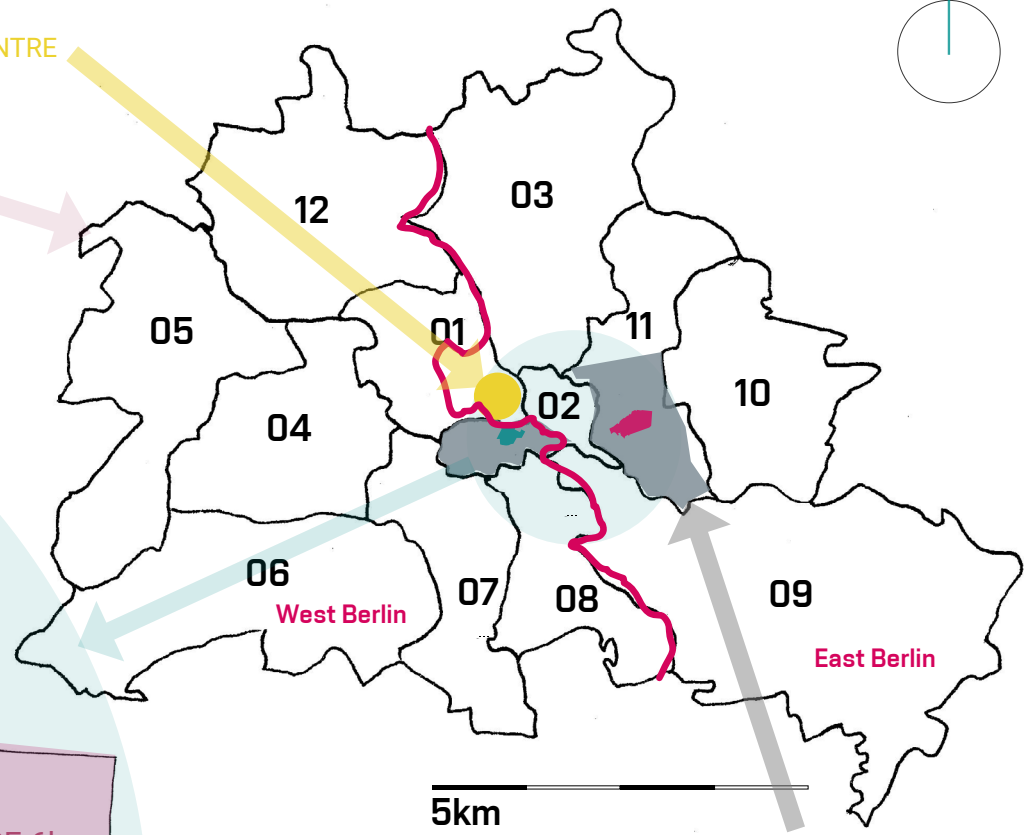
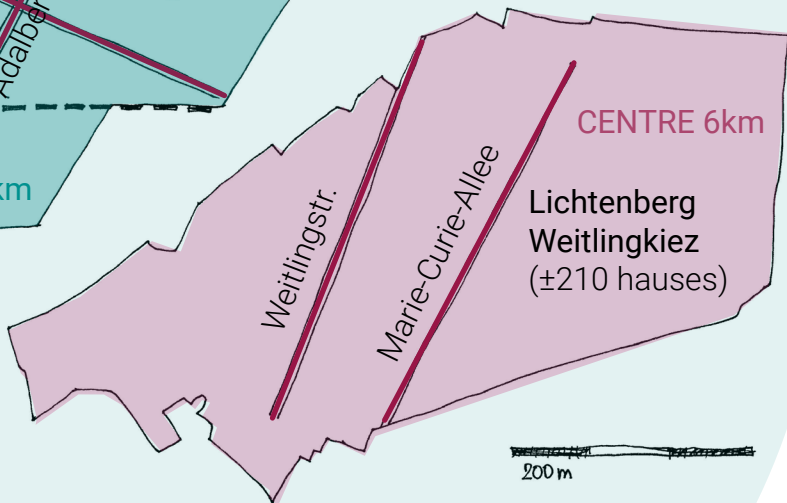
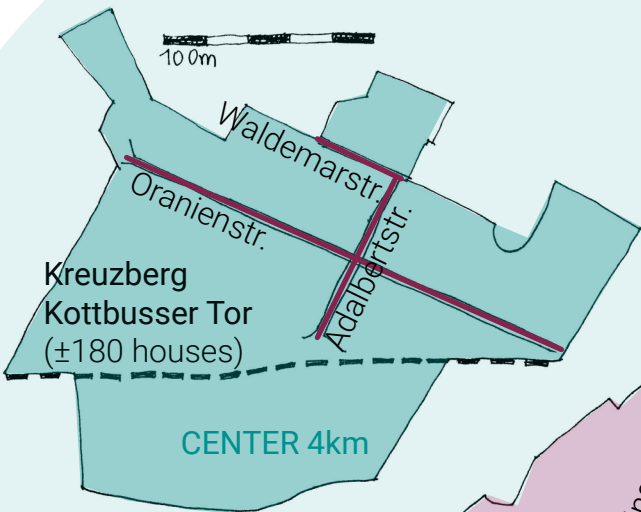


Number of inhabitants from different continents living in Berlin [5]

[5] *Statistischer Bericht: A15 – hj 2/17, Einwohnerinnen und Einwohner im Land Berlin am 31. Dezember 2017.* Amt für Statistik Berlin-Brandenburg, 2018. [cit. 29. 04. 2018] Dostupné z: [https://www.statistik-berlin-brandenburg.de/publikationen/Stat\\_Berichte/2018/SB\\_A01-05-00\\_2017h02\\_BE.pdf](https://www.statistik-berlin-brandenburg.de/publikationen/Stat_Berichte/2018/SB_A01-05-00_2017h02_BE.pdf)

# RESEARCH LOCALITIES

STADTEMEUERUNG, Arbeitsgruppe a Hardt-Waitherr  
 HÄMER, Projekte Luisenstadt SO 36., 1981, s. 187.



- 01 Mitte
- 02 Friedrichshain - Kreuzberg
- 03 Pankow
- 04 Charlottenburg - Wilmersdorf
- 05 Spandau
- 06 Steglitz - Zehlendorf
- 07 Tempelhof - Schöneberg
- 08 Neukölln
- 09 Treptow - Köpenick
- 10 Marzahn - Hellersdorf
- 11 Lichtenberg
- 12 Reinickendorf

DIVISION OF THE CITY  
 KREUZBERG/LICHTENBERG  
 until year 2001



# PHOTOS - LOCALITIES

## KREUZBERG



## LICHTENBERG



# ORTOPHOTO - LOCALITIES AND SCALE

"BERLIN KREUZBERG"



"BERLIN LICHTENBERG"



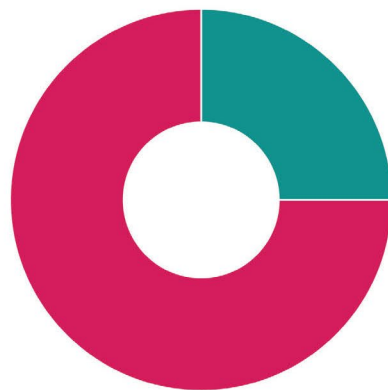
# DEMOGRAPHIC SITUATION IN SELECTED LOCATIONS

2020



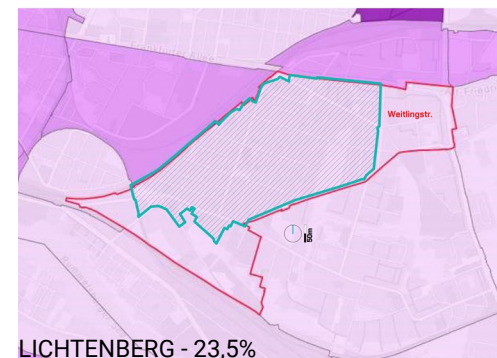
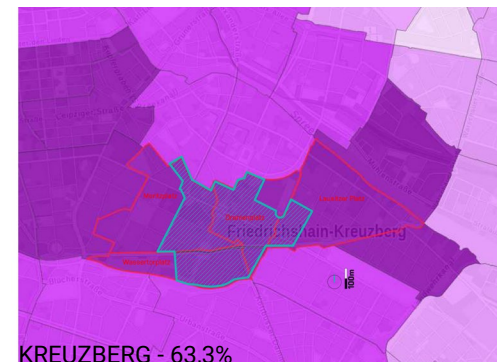
63,5% With migration background, foreigners  
36,5% Germans

KREUZBERG - Oranienplatz, Moritzplatz, Wassertorplatz



24,8% With migration background, foreigners  
72,2% Germans

LICHTENBERG - Weitlingstr.



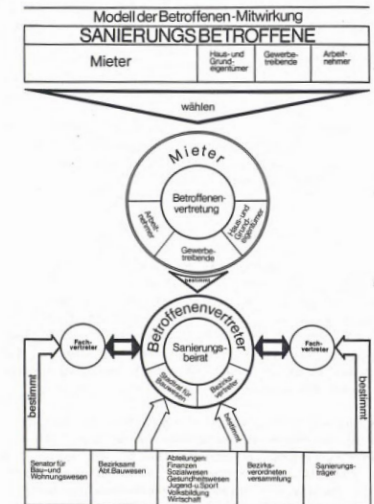
[a] Arab countries: Egypt, Algeria, Republic of Djibouti, Comoros, Libya, Morocco, Islamic Republic of Mauritania, Somalia, Sudan, Tunisia, former Sudan, Bahrain, Iraq, Iraq, Jordan, Kuwait, Lebanon, Oman, Qatar, Palestinian Territories, Saudi Arabia, Syria, United Arab Emirates, Rest of Asia, former Democratic People's Republic of Yemen, nationality unclear

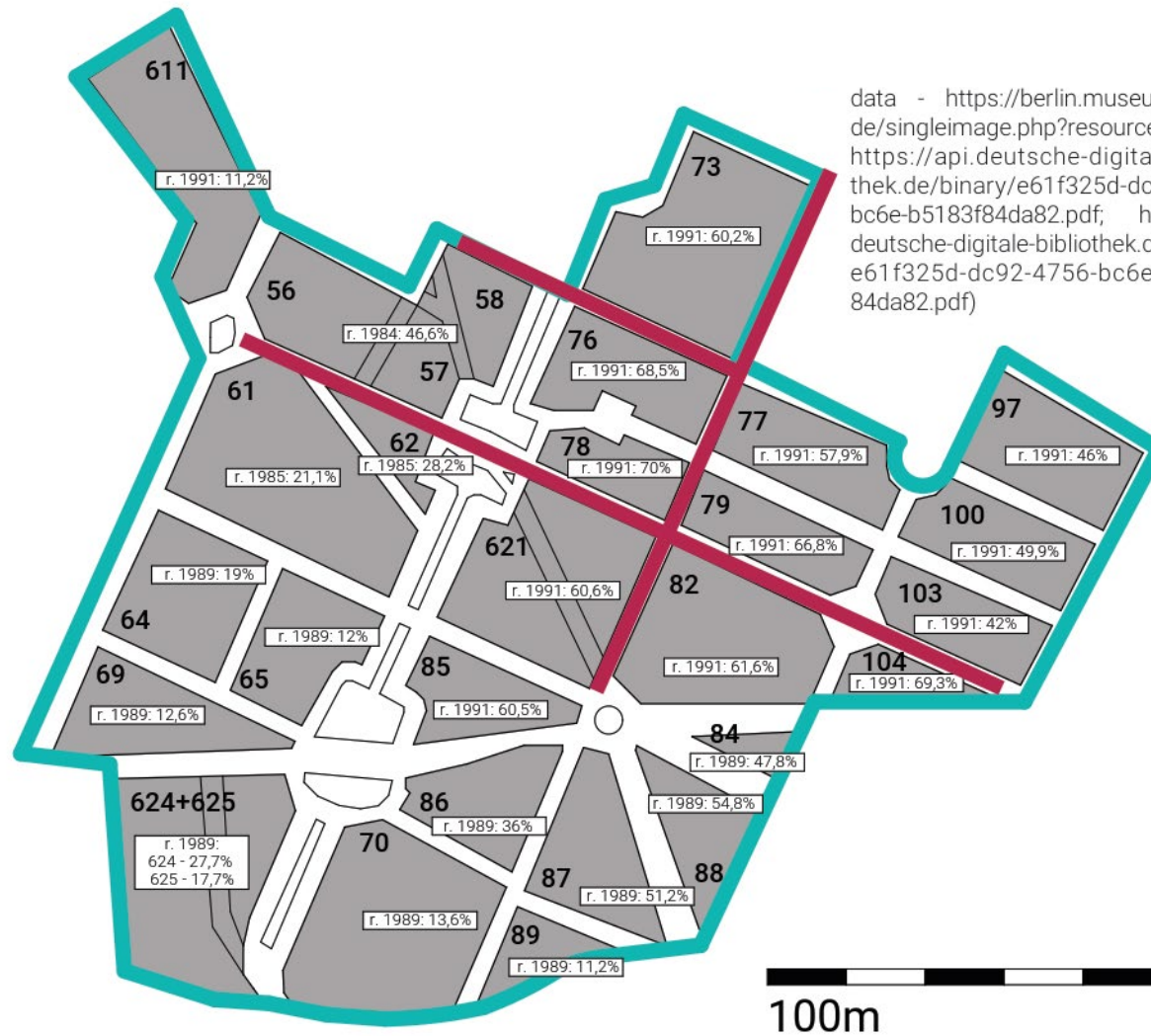
AfS StatIS-BBB - Table View. In: [cit. 26.09.2021]. Dostupné z: <https://statis.statistik-berlin-brandenburg.de/webapi/jsf/tableView/tableView.xhtml#>

Kommunalatlas Berlin, [cit. 25.12.2021]. Dostupné z: <https://www.statistik-berlin-brandenburg.de/>

## TIME LIMITS

- y. 1980 - y. 2021:
  - around y. 1960 - arrival of immigrants from Turkey to West Berlin
  - around y. 1980 - „Kreuzberg“ - IBA (International construction exhibition - rebuilding), the influence of the inhabitants on the rebuilding, the entire selected location „Kreuzberg“ documented before the rebuilding
  - y. 2021 - comparison





„Berlin Kreuzberg“ - the share of residents with a migrant background and foreigners in individual blocks of houses

- statistical data
- objectively measurable data
- study in archives
- study of map materials
- **the local investigation**
- in-depth interviews

### Evaluation of the obtained data:

- **Comparison** - archive x present, location „Kreuzberg“ x „Lichtenberg“
- **Analysis** - location „Kreuzberg“ x „Lichtenberg“
- **Statistical methods** - determination of algorithms and their evaluation

DIVIDING THE RESEARCH INTO 2 PARTS:

PART ANALYSIS OF BOTH LOCATIONS

PART OF THE EVALUATION OF ARCHITECTURAL-  
URBAN CHANGES IN „BERLIN KREUZBERG“

# 1. PART OF THE RESEARCH

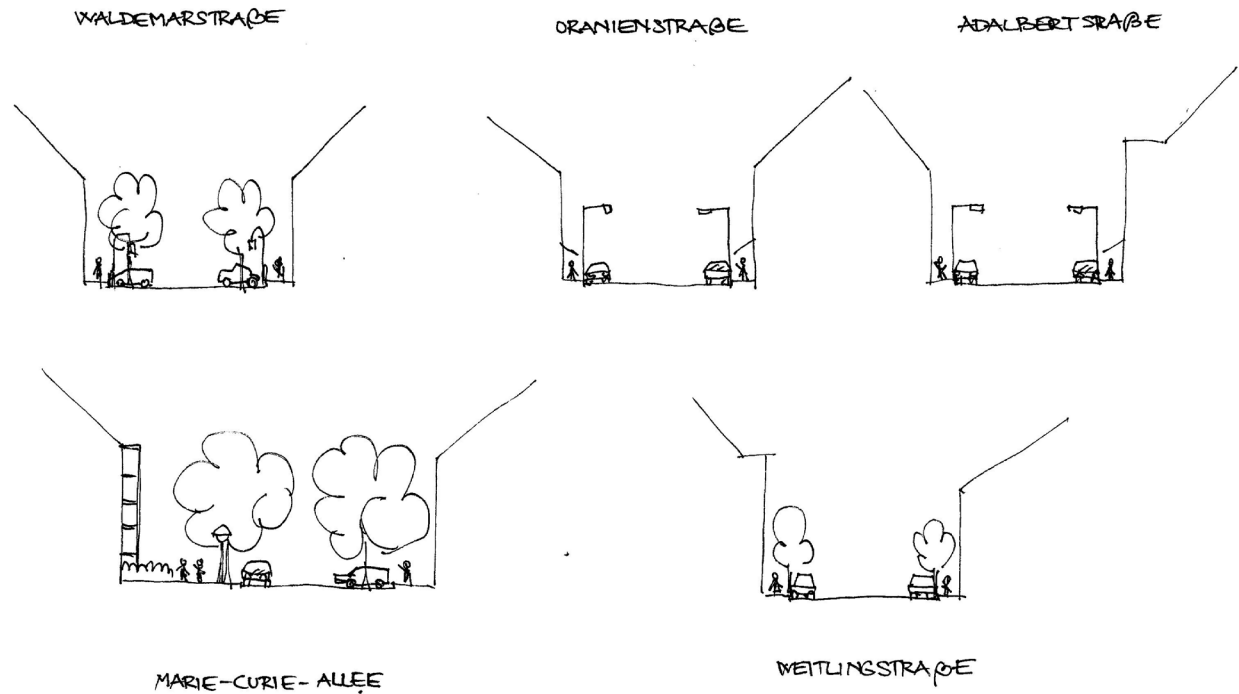
## ANALYSIS

	„Berlin Kreuzberg“	„Berlin Lichtenberg“
The quality of living (good / medium / low)	100% low	96,42% medium 3,58% low

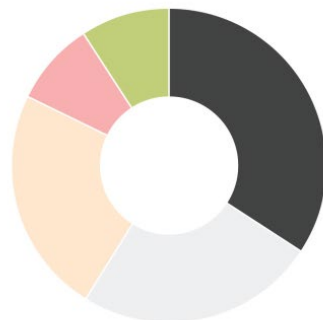
| : Statistical data on the quality of living  
 (Amt für Statistik Berlin-Brandenburg undated)

	district Lichtenberg	district Fridrichshain-Kreutzberg
1 person	47,3%	54,0%
2 persons	34,8%	27,0%
3 persons	11,5%	10,4%
4 persons	4,8%	5,3%
5 persons	1,6%	3,4%

| : Statistical data on the household size  
 in districts (Amt für Statistik Berlin-Brandenburg undated)

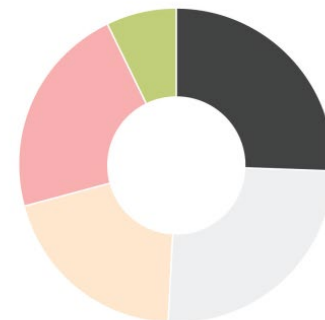


# ANALYSIS



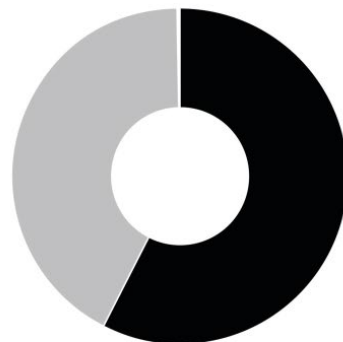
- 34,1% A - built up area
- 24,6% B - open public spaces
- 23,3% C - private rooms
- 8,5% D - semi-public spaces
- 9,1% E - public green

KREUZBERG

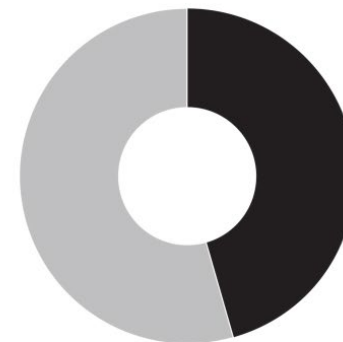


- 25,6% A - built up area
- 25,2% B - open public spaces
- 20% C - private rooms
- 22% D - semi-public spaces
- 7% E - public green

LICHTENBERG



- 57,4% A+C
- 42,3% B+D+E



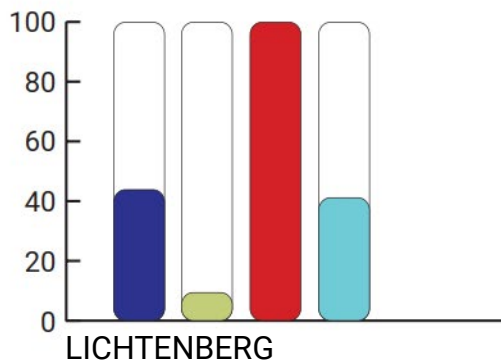
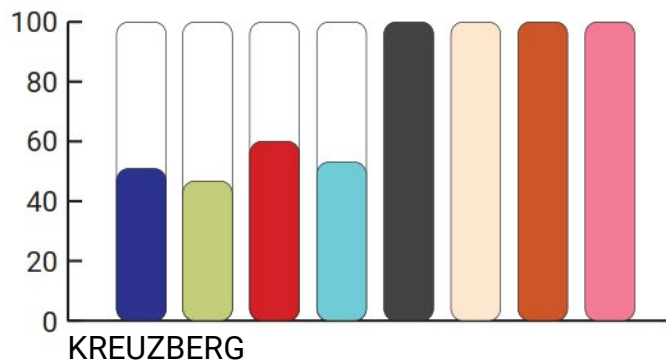
- 45,5% A+C
- 54,2% B+D+E

Ratio of areas in localities



# ANALYSIS

Percentage representation of cultural influences in characteristic services (data obtained by the author)



	„Berlin Kreuzberg“	„Berlin Lichtenberg“	
Laundry	2	1	Purple circle
Grocery store/bakery	12	11	Dark blue circle
Hair cutter	15	15	Light green circle
Internetcafe	5	1	Red circle
Gastronomy	174	24	Cyan circle
Communities	4	2	Black circle
Buddhist temple, prayer room	1	0	Light orange circle
Mosque, cultural center of Islam	4	0	Brown circle
Church	1	1	Green circle
Synagogue	1	0	Pink circle

Recording the types and numbers of characteristic services (data obtained by the author)

# ANALYSIS

Recording of the type and number of characteristic services (data collected by the author)



„BERLIN KREUZBERG“ - ADALBERTSTRASSE

## KREUZBERG

## LICHTENBERG

	Oranienstraße	Adalbertstraße	Waldemarstraße	Weitlingstraße	Marie-Curie-Allee
Laundry	1	0	0	0	0
Grocery store/bakery	2	3	0	0	0
Hair cutter	3	2	0	3	0
Internetcafe	1	2	0	1	0
Gastronomy	63	33	3	10	1
Communities	1	0	1	1	0
Buddhist temple, prayer room	1	0	1	0	0
Mosque, cultural center of Islam	1	1	1	0	0
Church	0	0	0	0	0

	„Berlin Kreuzberg“	„Berlin Lichtenberg“
Accommodation facilities	81	36

Accommodation facilities by location (data collected by the author)

## 2. PART OF THE RESEARCH

### SAMPLE COMPARISON ARCHIVE vs. PRESENT

± 1981 vs. 2021

Photos: Winkelkotte T., Orłowsky C., Waldemarstr., um 1981 :: FHXB Friedrichshain-Kreuzberg Museum ::  
Resource :: museum-digital:berlin. In: [cit. 13.04.2021]. From: <https://berlin.museum-digital.de>

Permission to publish pictures based on agreement with their owner - S-T-E-R-N Gesellschaft der behutsamen Stadterneuerung mbH

- „Berlin Kreuzberg“
- example: Waldemarstr.



# SIMPLIFIED EVALUATION

	division into groups		
	1/ SHAPE	2/ MASS	3/ SPACE
1	shape change – windows/doors	change in volume	change - the appearance of public space
2	alteration - Embellishment / Color	change in the size of the built area	change - ground floor of the house / use of the building
3	change - material		change - green spaces

Table for evaluating the measured values

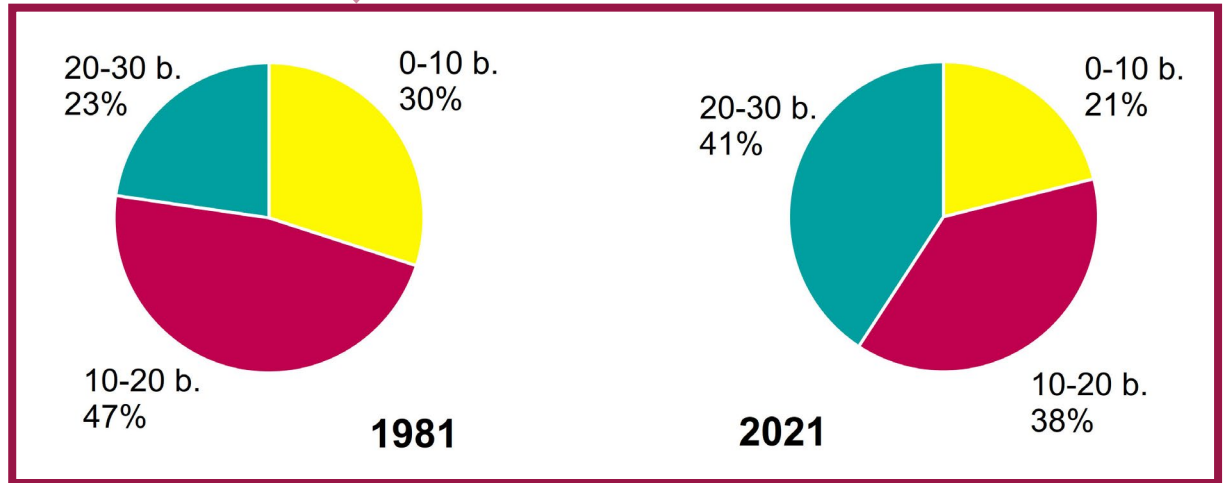
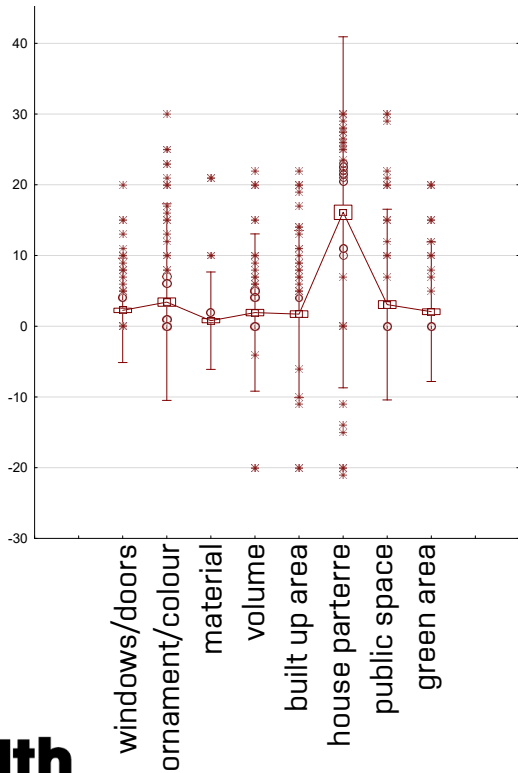
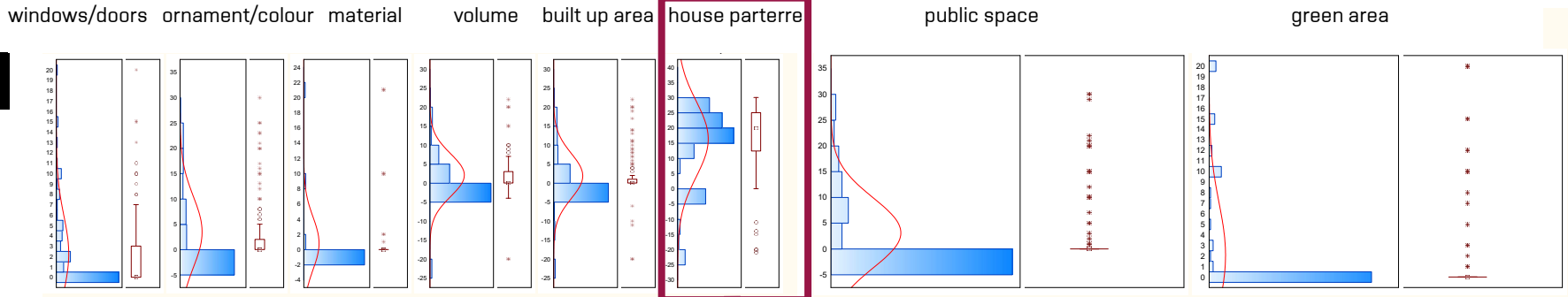
0-10 pt	Maintained without significant change
10-20 pt	change in the european character
20-30 pt	different cultural influences

# EXAMPLE OF ASSESSMENT BASED ON SET ALGORITHMS

- „Berlin Kreuzberg“
- software Statistica

	1	2	3	4	5	6	7	8	9	10	11	15	16	17	18	19	20	21	22
	Lokalita	Adresa	Rok foto. archiv	Rok foto. současnos	Ozn.čísťa bloku	Pozn.	Změna tvaru - okna/dveře	Změna - ornament/b arva	Změna - materiál	Objemové změny	Změna velikosti zastavěné plochy	15 Parter domů - změna - rozdíl kulturního vlivu vs. evropského vlivu	16 Změna - vzhled veřejného prostoru	17 Změna - plochy zeleně	18 Přistěhovalci v bloku (1991) (%)	19 Průměr změn	20 Velikost parcely (ar)	21 Váha hodnoceného území	22 Vážený průměr
1	W	Waldemarstr. 20	1981,2008	2021	76	Aleřité, řervená	10	25	0	3	0	30	10	0	68,5	13,80	4,2	0,8	11,0
2	W	Waldemarstr. 22	1983	2021	76		2	0	0	0	0	23	10	10	68,5	8,95	3,4	0,8	7,2
3	W	Waldemarstr. 24	1981	2021	76		0	0	0	0	0	0	10	5	68,5	1,50	5,7	0,9	1,4
4	W	Waldemarstr. 26	1981	2021	76	modrá	0	30	0	0	0	-20	5	0	68,5	3,50	7,0	0,9	3,2
5	W	Waldemarstr. 28	1981	2021	76	nástavba	4	7	0	10	0	-14	10	15	68,5	4,60	4,3	0,8	3,7
6	W	Waldemarstr. 32	1981	2021	76		0	0	0	0	0	-15	10	10	68,5	2,00	7,7	0,9	1,8
7	W	Waldemarstr., park	1977, 1981(mapa)	2021	76	zbourání po 1977, park				-20	-20	20	20	20	68,5	5,71	6,7	0,9	5,1
8	W	Waldemarstr. 36	1981	2021	76	služba zachována	0	0	0	0	2	15	10	10	68,5	6,70	6,8	0,9	6,0
9	W	Waldemarstr. 38	1981	2021	76		0	0	0	0	0	-20	10	10	68,5	2,00	1,2	0,7	1,4
10	W	Waldemarstr. 40	1981	2021	76		0	0	0	0	-10	0	10	10	68,5	1,00	8,7	0,9	0,9
11	W	Waldemarstr. 42	1981	2021	76		0	0	0	0	0	0	10	10	68,5	2,00	8,7	0,9	1,8
12	W	Waldemarstr. 44	1981	2021	76		2	0	0	0	0	0	15	15	68,5	3,20	3,4	0,8	2,6
13	W	Waldemarstr. 45-46	1981	2021	76		0	15	10	0	0	18	10	10	68,5	9,90	1,9	0,7	6,9
14	W	Waldemarstr./Adalbertstr., park	1983	2021	73					0	0	20	20	20	60,2	11,43	4,0	0,8	9,1
15	W	Waldemastr. 43	1981	2021	73		0	0	0	0	0	0	15	12	60,2	2,70	2,5	0,7	1,9
16	W	Waldemarstr. 41	1981	2021	73	malba	0	15	0	6	1	12	0	0	60,2	6,54	4,2	0,8	5,2
17	W	Waldemarstr. 39	1981	2021	73		0	0	0	0	0	0	0	0	60,2	0,00	5,5	0,9	0,0
18	W	Waldemarstr. 37	1981	2021	73		0	0	0	0	0	0	0	0	60,2	0,00	5,2	0,9	0,0
19	W	Waldemarstr. 35-33	1981	2021	73		10	0	0	-4	-6	0	15	12	60,2	2,70	9,1	0,9	2,4
20	W	Waldemarstr. 31	1981	2021	73		0	0	0	0	1	0	15	15	60,2	3,10	7,1	0,9	2,8
21	W	Waldemarstr. 29	1981	2021	73		0	0	0	0	2	13	15	10	60,2	7,18	4,1	0,8	5,7
22	W	Waldemarstr. 27	1981	2021	73		0	0	0	0	-11	0	12	7	60,2	0,80	8,3	0,9	0,7
23	W	Waldemarstr. 25	1981,2008	2021	73		0	0	0	4	0	0	0	0	60,2	0,40	8,0	0,9	0,4
24	W	Waldemarstr. 23	1981,2008	2021	73	řervená	5	25	0	3	2	0	0	0	60,2	3,50	6,4	0,9	3,2
25	W	Waldemarstr. 21	1981	2021	73		0	0	0	0	1	20	15	8	60,2	6,40	3,4	0,8	5,1
26	W	Waldemarstr. 19	1981	2021	73	služba zachována	0	1	0	1	0	19	0	0	60,2	5,90	4,3	0,8	4,7
27	A	Adalbertstr., Zentrum	1978,-79,-81,-82,-8	2021	82	min. úprava barev	0	1	0	0	0	28	0	0	61,6	8,35	5,2	0,9	7,5
28	A	Adalbertstr., proluka	1991	2021	82	nový dům+výstavba				20	20	0	0	0	61,6	5,71	11,9	1,0	5,7
29	A	Adalbertstr. 6	1981,1982	2021	82	změna parteru	10	10	10	0	0	30	0	0	61,6	9,00	12,3	1,0	9,0

# EVALUATION



Evaluation of changes in the use of the ground floor of houses according to the substitution of cultural influences (data obtained by the author)

# PHOTOS - OFFERED SERVICES

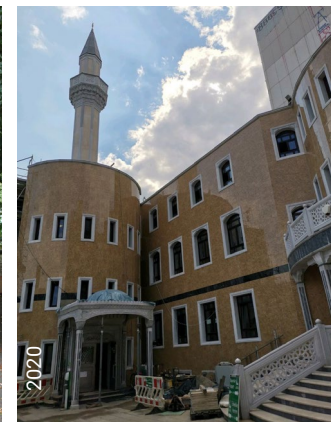
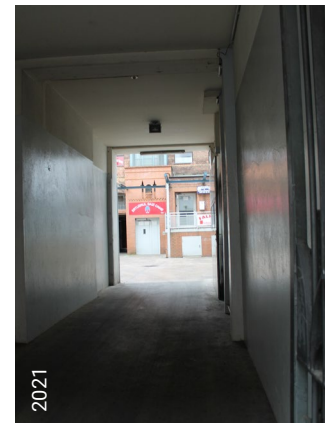


Photo from: <https://de.foursquare.com/v/mevlana-moschee/4d66994d-153ba0939566ebf8?openPhotoId=5f3d2c25dcf2fd338484e6d2>



## IMPLICATION

- **introduction to the current international issue of immigration from the point of view of architecture and urbanism**
- the possibility of continuing this work - influences of European architecture on architecture in Turkey; extension of information obtained; **application of the methodology for other cities**
- use of obtained materials (especially photographs) in the framework of interdisciplinary research, **evaluation of changes in other time stages**, evaluation of the locality from the point of view of gentrification?



## PRELIMINARY CONCLUSION

- residents with a migration background have an impact on the urban space = **change in building types - mosques, cultural centers of Islam, synagogues and Buddhist prayer houses**
- change - social and economic aspects - gastronomic services
- the location is a popular tourist destination = are different cultural influences the reason?

THANK YOU FOR YOUR ATTENTION!

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