

Supplementary Materials S1. Detailed results of on-site observation

Table S1 GOAL 1 evaluation: Accessibility

	MANGGHA COMPLEX	WYSPIANSKI PAVILION	AUDITORIUM MAXIMUM	OPERA HOUSE	MOS	CRICOTEKA	MOCAK	ICE	CZAPSKI PAVILION
VISUAL ACCESSIBILITY									
0-3 points for distance, 0-2 points for the number of directions (1 direction - 0, 2 directions – 1 point, 3 directions or more/panoramic view – 2 points)	wide panoramic view from the other bank of the Vistula River, far views from the adjoining streets	far views from the adjoining streets	the front of the building facing the street, the backyard invisible from the street, the facility visible from 2 points, distance: about 180 and 200m	far views from the adjoining streets	further views of the two streets adjacent to the building	wide panoramic view from the other bank of the Vistula River	the museum is hidden among the surrounding buildings, a concrete wall with the logo is visible from the front	far views from the adjoining streets and a wide panoramic view from the other bank of the Vistula River	the pavilion is hidden behind the front buildings on Pilsudskiego St.
G1.1	5	5	3	5	4	5	3	5	2
PEDESTRIAN-FRIENDLY ENVIRONMENT									
Assessment based on limited traffic zone, condition of sidewalks, number of parking places, etc. Evaluation based on the observation of parked cars	inconvenient (busy road), pedestrian barrier, but sufficient number of parking places and good condition of sidewalks	convenient (limited traffic zone), good condition of sidewalks, no pedestrian barriers, sufficient number of parking places	partly convenient (limited traffic zone but busy road nearby), good condition of sidewalks, sufficient number of parking places for the building users but many cars parked outside forming a pedestrian barrier	inconvenient (busy road forming a pedestrian barrier), cars parked before the main entrance, good condition of sidewalks	convenient (limited traffic zone), damaged pathways, no cars parked in front of the building	convenient, limited traffic zone, too many cars parked in front of the building	convenient, limited traffic zone, cars parked inside the museum courtyard	a busy road nearby forming a barrier for pedestrians, good condition of sidewalks, enough park places daily (not during collective events)	convenient (limited traffic zone), good pathways, no cars parked before the building
G1.2	2	5	2	1	4	4	4	3	5
DISTANCE FROM THE NEAREST PUBLIC TRANSPORT STOP + ACCESS FOR THE WHEELCHAIR USERS									
Points for the distance from the nearest public transport stop: 0 - over 400m, 1 point - 300-400m, 2 points - 200-300m, 3 points - less than 200m. Points for access for the wheelchair users: 0- impossible, 1 point -by a wheelchair ramp, with some difficulties, 2points - very good, direct access from the ground level	about 125m from a bus stop, a wheelchair ramp	about 50m from a tram stop, wheelchair access to the main entrance from the ground level	about 225m from a bus stop, stairs before the main entrance, wheelchair access by a ramp	about 250m from a tram stop, wheelchair access to the main entrance from the ground level	about 300m, wheelchair access to the main entrance from the ground level	350m from a tram stop, wheelchair access to the main entrance from the ground level	350m (from railway station), wheelchair access to the main entrance from the ground level	about 250m from a bus stop, wheelchair access to the main entrance from the ground level but from the roundabout the building is surrounded with external stairs	about 150m from a tram stop, wheelchair access to the main entrance from the ground level but complicated by the cobblestone pathway
G1.3	4	5	3	3	4	3	3	4	4
BIKE MOVEMENT INFRASTRUCTURE, NUMBER OF BICYCLE STANDS									
Max. 2 points for bicycle stands; max. 3 points for standard of routes cycling infrastructure: 0- riding in traffic, 1 point- shared-use path, 2 points-bicycle lane, 3 point -two or more bicycle lanes in various directions	a shared-use path, 10 bicycle stands	a shared-use path or riding in traffic, 4 bicycle stands	riding in traffic, 20 bicycle stands	about 10 bike stands, a short bicycle lane connected to a road	about 10 bike stands, bicycle lace	about 40 bike stands, bicycle lace	9 bicycle stands, riding with pedestrians or in (moderate) traffic	about 30 bicycle stands,	riding down the street among cars, no bicycle stands
G1.4	2	2	2	2	3	4	2	5	0
SUM OF POINTS	13	17	10	11	15	16	12	17	11

Table S2 GOAL 2 evaluation: Mix of functions									
	MANGGHA COMPLEX	WYSPIANSKI PAVILION	AUDITORIUM MAXIMUM	OPERA HOUSE	MOS	CRICOTEKA	MOCAK	ICE	CZAPSKI PAVILION
FUNCTIONS IN THE BUILDING(S)									
1 point for each function	3: galleries, auditorium, restaurant	2: gallery, info point (shop),	2: auditoriums, bistro,	1: opera with auxiliary spaces	>5: multifunctional halls (theatre, film, dance, music), gallery, cafe, bookshop, library	4: gallery, bookshop, cafe, concert hall	4: gallery, audiovisual hall, cafe, library,	5: 2 multifunctional halls, gallery space, cafe, shop, bakery	4: gallery, cafe, library, outdoor cinema
G 2.1	3	2	2	1	5	4	4	5	4
ARRANGEMENT, ACCESSIBILITY OF FUNCTIONS									
1 point for each feature: more than one entrance for users, access from different sides of the building, at different times of the day, access without opening the facility (or its main space), free use	more than one entrance for users, access from different sides, at different times of the day	two functions on two sides of the building, (no recreational functions); a shop-and-info point has an independent entrance from the exhibition, free entry	more than one entrance for users, access from different sides, at different times of the day, free use (during public lectures)	none	more than one entrance for users, access from different sides, at different times of the day and without opening the facility, free use	more than one entrance for users, access from different sides, at different times of the day	more than one entrance for users, access from different sides	more than one entrance for users, access from different sides, at different times of the day, without opening the facility (or its main space),	access at different times of the day, without opening the facility (or its main space), free use
G 2.2	3	5	3	0	5	3	2	4	3
FUNCTIONS IN THE IMMEDIATE SURROUNDING									
1 point for each function	apartments, commercial premises, hotel, language school, fitness	the town hall, shops, bars, pharmacy, apartment houses, church, episcopal curia, etc.	2 university buildings in the immediate vicinity, consulate	offices, residential buildings, shops, post office	hotels, apartments, library, kindergarten, bistro, restaurant, beautician	apartments, bistro, optician, beauty salon, hairdresser, commercial premises	Schindler's Factory museum, restaurants and bistros, apartments, offices, glass centre	hotels, bistros, doctor's offices, the Krakow Festival Office building, apartments, hairdresser, law offices, graphic studio, vacancy	museum, garden
G 2.3	5	5	2	4	5	5	5	5	2
INCLUSIVE FUNCTIONS IN PUBLIC SPACE									
1 point for each: the building's functions in the outdoor space, functions in the streetscape near the building, functions for children and seniors, health-promoting functions or NGOs	café with tables outside, bamboo garden	the town hall, local functions also in the street (cafes, kiosks, street stalls, etc.)	café with tables outside	none	café with tables outside, kinder garden with an adjacent garden	café with tables outside	café with tables outside	café with tables outside, cafés and bistros nearby with tables outside	cafe with tables outside, outdoor cinema, an adjacent museum garden
G 2.4	1	2	1	0	3	1	1	2	3
SUM OF POINTS	12	14	8	5	18	13	12	16	12

Table S3 GOAL 3 evaluation: Environmental issues									
	MANGGHA COMPLEX	WYSPIANSKI PAVILION	AUDITORIUM MAXIMUM	OPERA HOUSE	MOS	CRICOTEKA	MOCAK	ICE	CZAPSKI PAVILION
QUANTITY OF GREEN INFRASTRUCTURE									
Quantity of green infrastructure and water ratio of green areas, number of trees, water present	a lot of greenery, water	a small lawn	single trees	greenery only at the back	small parts of the lawn, individual trees	a lot of greenery, water	a small lawn	lawn, trees, ‘pocket garden’	lawn, trees
G 3.1	4	2	2	1	2	4	2	3	3
INCORPORATING NATURE									
Maintenance of public greenery - maximum 2 points; 1 point for each: weaving natural elements into parks and playgrounds, designing public spaces to reflect and respond to local geography, supporting direct interaction with nature through free and low-cost activities	2 points for maintenance of public greenery, space reflects local geography (the café terrace joined with the Vistula boulevard), weaving natural elements into parks (bamboo garden)	two points for maintenance of public greenery	one point for maintenance of public greenery	none	2 points for maintenance of public greenery; weaving natural elements into parks and playgrounds, supporting direct interaction with nature through free and low-cost activities (kinder garden)	two points for maintenance of public greenery, designing space to reflect local geography (the roofed area joined with the Vistula boulevard	one point for maintenance of public greenery	2 points for maintenance of public greenery; weaving natural elements into parks and playgrounds, supporting direct interaction with nature through free and low-cost activities (Congress Square)	two points for maintenance of public greenery, cinema supporting integration with nature
G 3.2	4	2	1	0	4	3	1	4	3
PRO-ENVIRONMENTAL SOLUTIONS									
1-2 points for each: renewable energy solutions, zero waste concept, waste segregation	waste segregation	waste segregation	waste segregation	waste segregation	waste segregation	waste segregation	waste segregation	waste segregation	waste segregation
G 3.3	1	1	1	1	1	1	1	1	1
LOWERING THE EFFECT OF URBAN HEAT ISLAND									
1 point for each: natural or artificial shading (trees or roof above the outside space), light colour of the building, green walls or vertical gardens, green/cool roof, water nearby	the light colour of the building, water nearby (Vistula river)	vertical garden	none	none	roofing of outdoor space	roofing of outdoor space, water nearby (Vistula river)	roofing of outdoor space	none	white building
G 3.4	1	1	0	0	1	2	1	0	1
SUM OF POINTS	10	6	4	2	8	10	5	8	8

Table S4 GOAL 4 evaluation: Morphology, aesthetics									
	MANGGHA COMPLEX	WYSPIANSKI PAVILION	AUDITORIUM MAXIMUM	OPERA HOUSE	MOS	CRICOTEKA	MOCAK	ICE	CZAPSKI PAVILION
URBAN MORPHOLOGY									
1/0 point for each: compact, coherent pattern of development / urban sprawl, fragmented structures; pedestrian scale / high-rise buildings; dense street network / large urban blocks; cul-de-sacs / natural surveillance; elements of cultural heritage / none	a compact pattern of development, pedestrian scale, dense street network, natural surveillance	a compact pattern of development, pedestrian scale, dense street network, natural surveillance, cultural heritage	a compact pattern of development, pedestrian scale, dense street network, natural surveillance, cultural heritage	a compact pattern of development, pedestrian scale, dense street network, natural surveillance	a compact pattern of development, pedestrian scale, dense street network, natural surveillance, cultural heritage	a compact pattern of development, pedestrian scale, dense street network, natural surveillance, cultural heritage	a compact pattern of development, pedestrian scale, dense street network, natural surveillance, cultural heritage	a non-coherent pattern of development, pedestrian scale, dense street network, natural surveillance	a compact pattern of development, pedestrian scale, dense street network, natural surveillance, cultural heritage
G 4.1	4	5	5	4	5	5	5	5	3
SOURCES OF AESTHETIC PLEASURE									
1 point for each: perceptual innuendo, unexpectedness or whimsy, cultural building incorporated or historical layering or physical juxtaposition, stimulus diversity/spectacle, the possibility of public solitude	unexpectedness or whimsy, physical juxtaposition, the possibility of public solitude	physical juxtaposition, crowding/stimulus diversity/spectacle	unexpectedness or whimsy, the possibility of public solitude	whimsy, physical juxtaposition	perceptual innuendo, unexpectedness or whimsy, physical juxtaposition, public solitude, crowding/stimulus diversity/spectacle	unexpectedness or whimsy, crowding/stimulus diversity/spectacle	perceptual innuendo, physical juxtaposition	public solitude, crowding/stimulus diversity/spectacle, physical juxtaposition	perceptual innuendo, unexpectedness, physical juxtaposition, the possibility of public solitude
G 4.2	3	1	2	2	5	2	2	3	4
BUILDINGS CREATING ‘A PLACE’									
1/0 point for each: closeness / amorphous or overflow of space; concentricity / isolated elements; spirit of place / cliché or uniformity; continuity or historicity / places devoid of “memory”; authenticity / artificiality or commercialization	the closeness of the space inside the buildings’ site, concentricity, the spirit of the place, continuity, authenticity	the closeness of the space around the building, concentricity, the spirit of the place, continuity, authenticity	the closeness of the space around the building, concentricity, the spirit of the place (the Old Town), continuity, authenticity	amorphous surrounding, concentricity, uniformity, historicity	the closeness of the space of the building complex, concentricity, the spirit of the place, continuity, authenticity	the closeness of the space of the building complex, concentricity, the spirit of the place, continuity, authenticity	the closeness of the space of the building complex, concentricity, the spirit of the place, continuity, authenticity	overflow of space on one side of the building, concentricity on the other, the spirit of place, memoryless place, authenticity	the closeness of the space of the building complex, concentricity, the spirit of the place, continuity, authenticity
G 4.3	5	5	5	3	5	5	5	3	5
GROUNDFLOOR FRONTAGES ANALYSIS									
Gehl’s method adopted: result A (active)-5 points, B (pleasant)-4 points, C (somewhere in-between)-3 points, D (dull)-2 points, E (inactive)-1 point, F(parking garage structure)-0.	B: small units, a few closed or passive units, some relief in frontages, good detailing	A: small units, many doors, no closed or passive units, interesting relief in frontages, good quality materials and refined details	C/D, inactive wide fronts but there is some detail, monumental facades	C/D, inactive wide fronts, only some detail, horizontal articulation of the facades	B: small units, a few closed or passive units, some relief in frontages, good detailing	B: small units, a few closed or passive units, some relief in frontages, good detailing	C/D, inactive wide fronts, some detail	D, inactive wide fronts, some detail	B: small units, a few closed or passive units, some relief in frontages, good detailing, glass pavilion, much greenery
G 4.4	4	5	2	2	4	4	2	2	4
SUM OF POINTS	16	16	14	11	19	16	14	11	18

Table S5 GOAL 5 evaluation: Comfort and sociability

	MANGGHA COMPLEX	WYSPIANSKI PAVILION	AUDITORIUM MAXIMUM	OPERA HOUSE	MOS	CRICOTEKA	MOCAK	ICE	CZAPSKI PAVILION
CLEANLINESS									
1 point for each: lack of rubbish, lack of neglected building elements, lack of homeless people, lack of traces of insufficient protection (graffiti, broken windows, alcohol bottles), lack of noise pollution at a level that endangers the health	the building became dirty, neglected, litter bins and rubbish lying on the premises at the rear entrance, noise LDWN >65 dB	decaying building (renovation of the façade has begun) contaminated by pigeons, presence of homeless people	fallen leaves lying around, noise LDWN 60-70 dB	rubbish lying around, noise level LDWN 60-75 dB	neighbouring buildings decaying	clean surrounding	rusty bars, crumpled sheet metal, dirty walls, garbage cans visible behind the bars on the street	neglected vacancy, noise level LDWN 60-75 dB	clean surrounding
G 5.1	2	2	3	3	4	5	3	3	5
SOCIAL CAPITAL									
0-2 point for the number of instaposts; 1 point for each: restaurant / bistro / cafe, presence of collective action, events, a good number of people (not too crowded)	cafe, 149 instaposts	15 instaposts, collective actions in the surroundings, the building in the crowded area	bistro, 1132 instaposts, collective events,	1900 Instagram followers, collective events,	cafe, 396 observers, 31 instaposts, collective events	cafe, 2700 Instagram followers, collective actions, events	cafe, 28,2 thousand Instagram followers, collective events on Lipska St.	pastry shop, 4034 followers, 1253 instaposts	café, outdoor cinema, a good amount of people
G 5.2	1	2	4	3	2	4	5	5	2
OUTDOOR SEATS									
1 point each for: sufficient number of seats, seats under a roof, free use of seats, sitting in groups possible, informal seating, i.e. other than benches	1 bench + cafe chairs, free seating, sitting on the border of the boulevards, sitting under umbrellas	6 benches, free seating, sitting in groups	seating stairs, benches, seating in groups, informal seating (amphitheatre stairs)	none	many seats also under the roof, possible sitting in groups	34 seats under the roof, free, sun loungers; stairs and boulevard railing as informal places to sit	4 chairs + many café chairs, free use	about 60 seats, free, sitting in groups possible	1 bench + café chairs, free use, the possibility of sitting in groups
G 5.3	4	3	3	0	3	4	2	3	3
OTHER ELEMENTS OF SMALL ARCHITECTURE									
1 point for each: roofing of outdoor space, art (sculptures, murals, etc.), other street furniture, furniture for children, seniors or disabled (e.g. blind)	art in front of the building, tea pavilion	Dietl’s monument, mockup of the place for blind people in an adjacent square	amphitheatre stairs to sit on	art, roofing	roofing, bike stand as art, mural	roofing, typographic on the floor	roofing, sculptures	roofing and art	lapidarium nearby, outdoor cinema screen
G 5.4	2	2	1	2	3	2	2	1	2
SUM OF POINTS	9	9	11	8	12	15	12	12	12



(a)



(b)



(c)



(d)



(e)



(f)

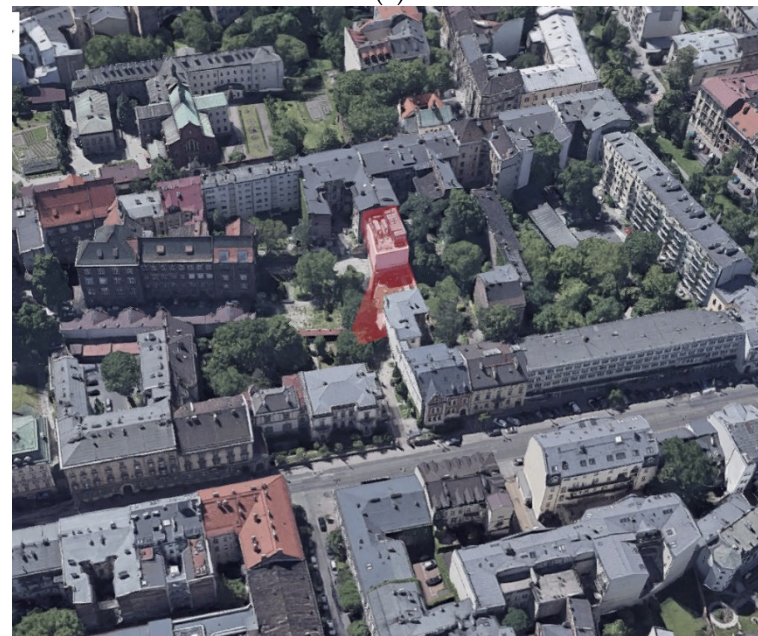
Figure S1A. Areas regarded as the surroundings of buildings, analyzed as the area of the cases – marked as red areas (a) Manggha museum; (b) Wyspianski Pavilion; (c) Auditorium Maximum; (d) The Opera House; (e) MOS; (f) Cricoteka. Elaborated by the author using Google Earth.



(a)



(b)



(c)

Figure S2A. Areas regarded as the surroundings of buildings analyzed as the area of the cases – marked as red areas. (a) MOCAR; (b) ICE; (c) Czapski Pavilion. Elaborated by the author using Google Earth.