

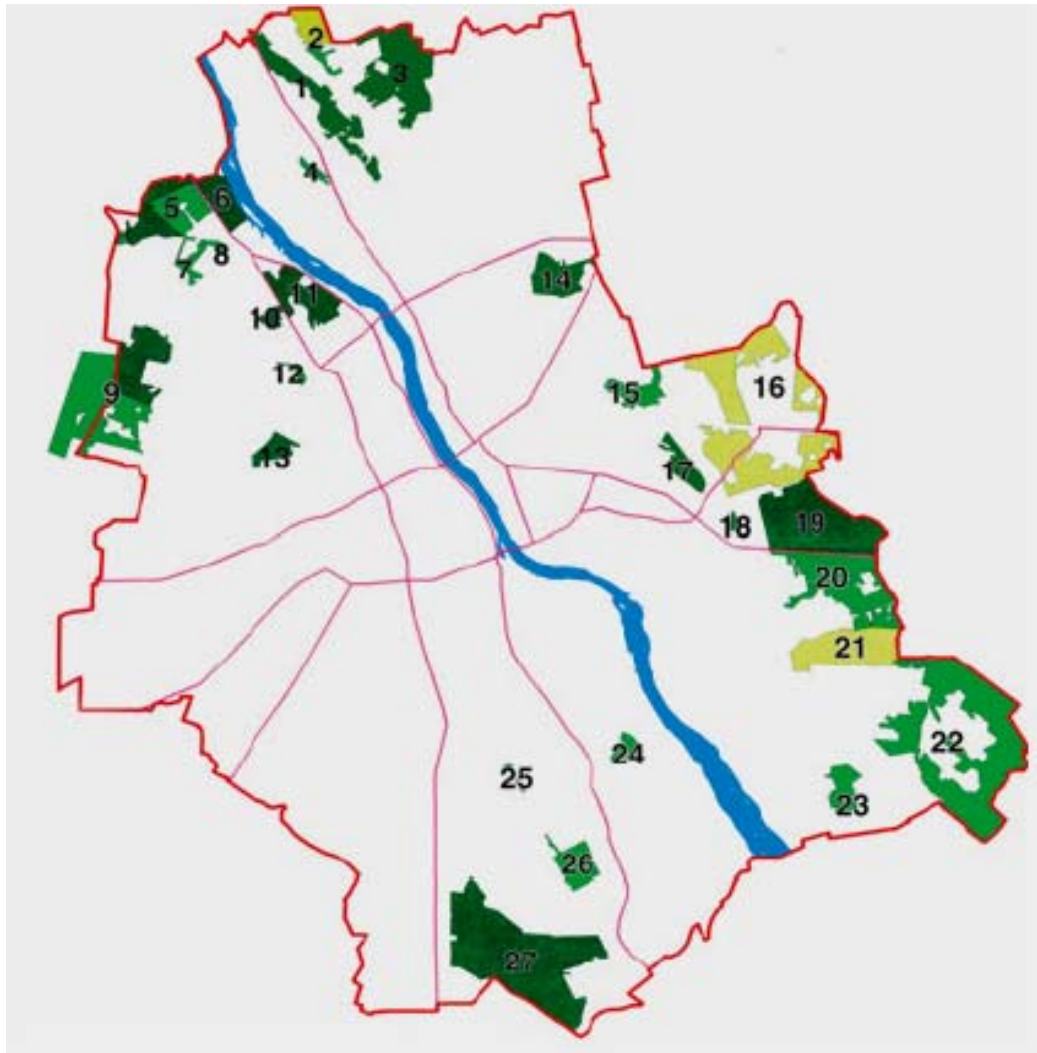


Analysis of selected forest recreational facilities adaptation to the requirements of potential users

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Warsaw

More than 14% of the area of Warsaw there are forests

3200 ha – private forests

2700 ha – urban forests

1300 ha – forests of State Treasure

Recreational management of forests

In Warsaw forest are located:

- Ø **14 playgrounds**
- Ø **7 parking spaces**
- Ø **18 recreational areas**
- Ø **3 viewing point**
- Ø **8 educational paths**
- Ø **2 running paths**
- Ø **4 fitness paths**
- Ø **bicycle paths**
- Ø **walking paths**



Forestry facilities

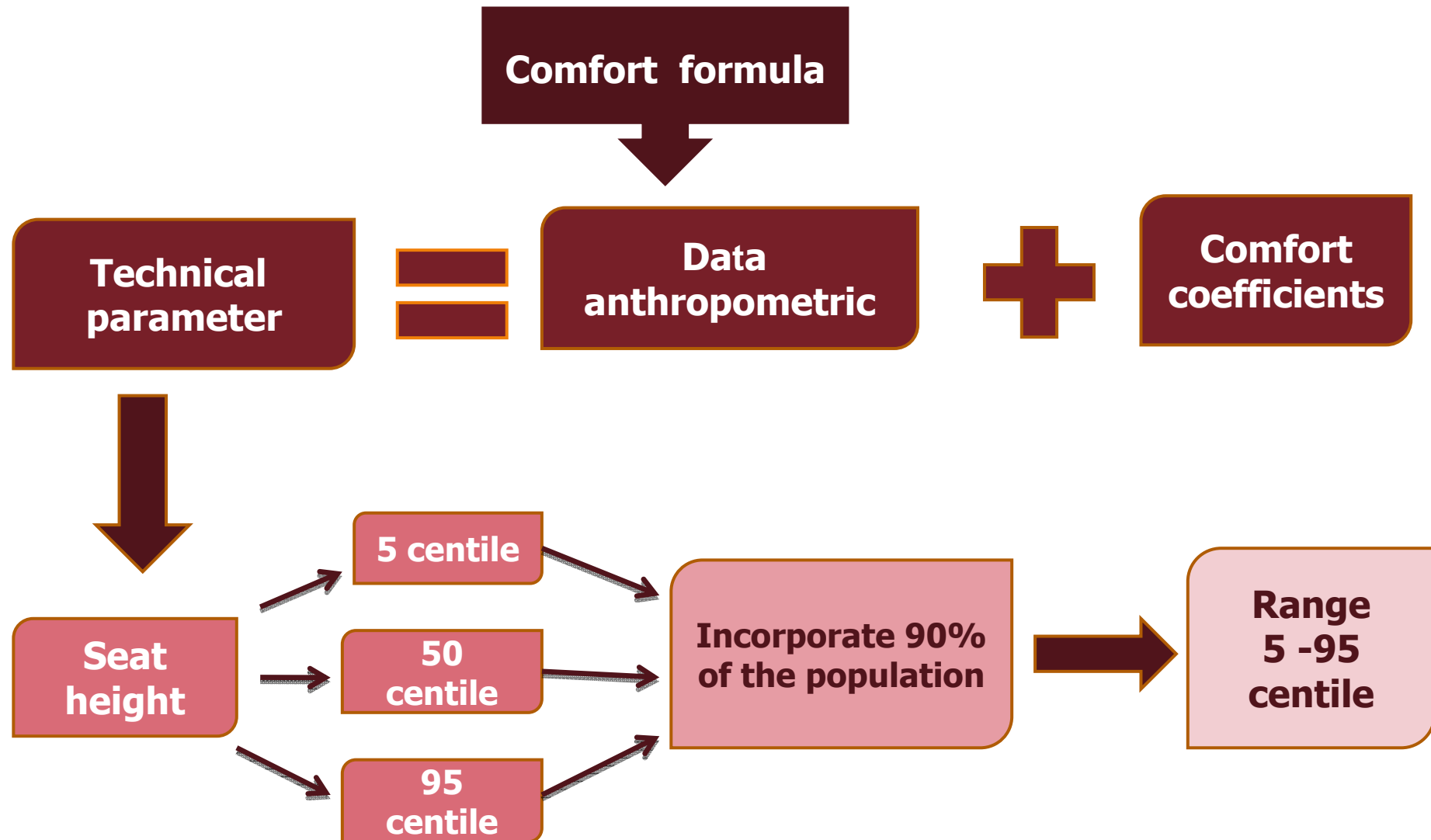


Facilities must ensure the comfort and safety rest

The aspects of technical parameters and the technical condition are very important in forestry facilities using



Methodology



Methodology

Analyzed parameters

Seats

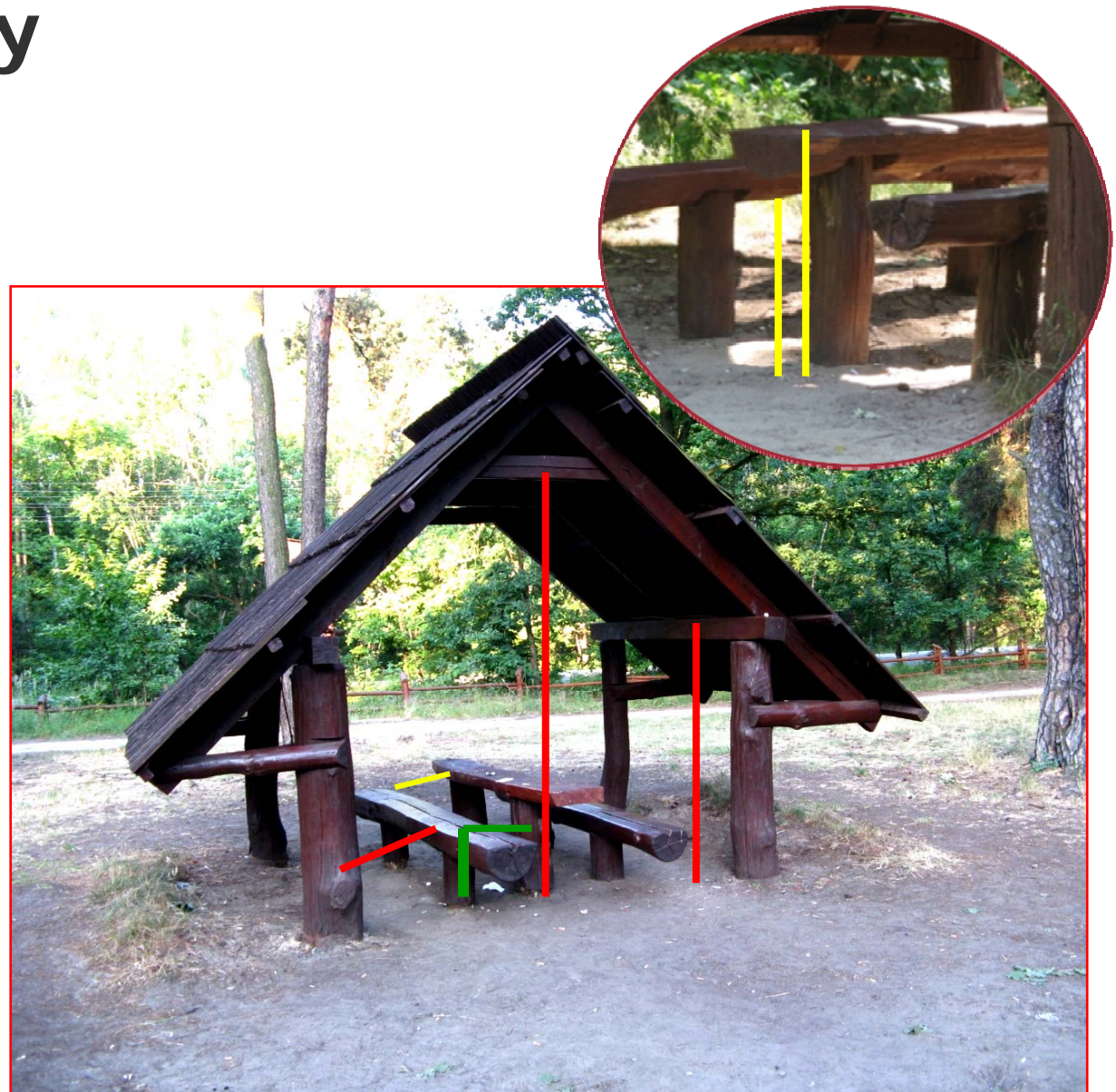
- § depth
- § height

Tables

- § upper manipulation height
- § lower manipulation height
- § distance between table and seat

Shelters

- § height at the entrance
- § width of the free space
- § height inside



Methodology



Technical and operational condition of recreational facilities

I – very good technical condition (no signs of deficiencies, scratches, etc.)

II – good technical condition (visible cracks, burns and/or scratches, but with no influence on the usable value of the facility)

III – poor technical condition (clearly visible defects, which may result in injuries or facilities which cannot perform their functions properly)

IV – bad technical condition (very serious defects – the facility cannot perform its designated purpose)



Results: Compliance of technical parameters of recreational facilities in selected urban forests of Warsaw with anthropometric data

Type of facilities	Parameter	Total amount of facilities	Anthropometric Atlas					
			below C5		between C5 i C95		above C95	
			n	%	n	%	n	%
seat	Ws	1439	696	48,4	566	39,3	177	12,3
	G	1439	593	41,2	438	30,4	408	28,4
bench	Ws	324	99	30,6	161	49,7	64	19,8
	G	324	270	83,3	51	15,7	3	0,9
table	Wmg	151	73	48,3	73	48,3	5	3,3
	Wmd	147	125	85,0	19	12,9	3	2,0
shelter	Wws	64	2	3,1	7	10,9	55	85,9
	Www	64	37	57,8	20	31,3	7	10,9
	Swe	128	106	82,8	20	15,6	2	1,6

 adjusted to the needs of the majority of users

Results: Technical and operational condition of recreational facilities in selected urban forests of Warsaw

Class of technical condition	Type of facilities							
	seat		bench		table		shelter	
	n	%	n	%	n	%	n	%
1	848	58,3	292	90,1	95	62,9	54	84,4
2	508	35,0	31	9,6	53	35,1	7	10,8
3	81	5,6	0	0,0	2	1,3	2	3,1
4	16	1,1	1	0,3	1	0,7	1	1,6
Total	1453	100	324	100	151	100	64	100

Conclusions

1. Technical parameters of recreational facilities in urban forests of Warsaw do not take into account the anthropometric data of the category of able-bodied users; thus, they do not improve the comfort of the users.
2. In most cases, the recreational facilities in urban forests of Warsaw are in good and very good technical condition.
3. It seems that the technical parameters of seats and tables strongly depend on the parameters of the material they are made of and on the initiative of their manufacturers.
4. Good technical condition of the facilities shows that these facilities are inspected on a regular basis and any damages or defects are repaired with dispatch.

Thank you

