

TOOL CITY PROFILE



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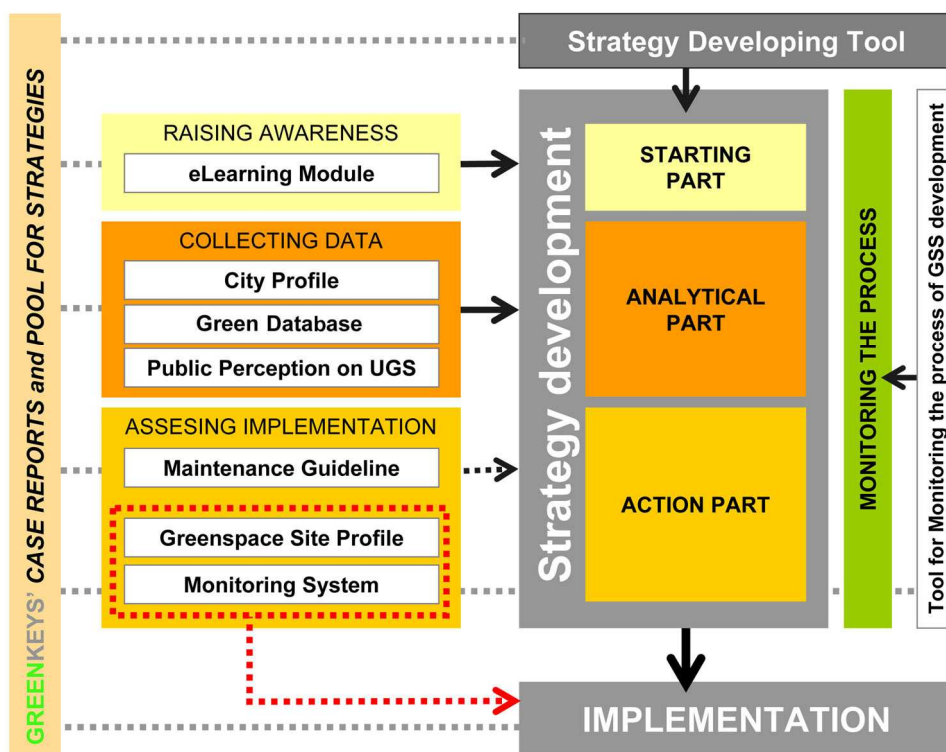


GREENKEYS

URBAN GREEN AS A KEY FOR SUSTAINABLE CITIES

Project coordinated by LEIBNIZ INSTITUTE OF ECOLOGICAL AND REGIONAL DEVELOPMENT, DRESDEN

Scheme: GreenKeys' Tools for Urban Green Strategy development process



Municipality of Bydgoszcz, Poland
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City		Date	
Institution			

I. Area, land use and population			
I.1. Please indicate the area for development of the green strategy			
Reference year for the above data:			
I.2. Please specify the kind of boundary you use to determine this area (e.g. city area, municipality area, administrative border, urban region area, etc.)			
>> A map with the borders mentioned in I.1 could be very useful			
I.3. Land use (built up area, except urban green and open spaces)			
Area types (You can use your own land use categories instead of the proposed (e.g. according to a land use plan such as the "Flächennutzungsplan" or urban biotope mapping results.))	Total area	Proportion	Proportion of green + open spaces inside the area
Residential areas	km ²	%	%
Industrial areas	km ²	%	%
Commercial areas	km ²	%	%
Mixed use areas	km ²	%	%
Infrastructure (Roads and other transport routes)	km ²	%	%
Land use (built up area) (total)	km²	%	%
Other, please specify	km ²	%	%
	km ²	%	%
	km ²	%	%
Reference year for the data above			
I.4. Are there GIS/digital based maps of the land uses available? Please describe briefly the contents of these maps.			

1.5. Green and open spaces			
Area types	Total area (km ²)		Proportion of total urban area (%)
1. Total public green space			
2. Total private green space			
A. Total area of urban green spaces [A=1+2] (the sum of the public and private open spaces, primarily characterised by vegetation, within the urban areas)			
3. Agricultural land (incl. meadow, grassland, orchards)			
4. Forests & woodland			
5. Derelict land and quarries			
6. Water surface			
B. Total area of urban green spaces + open spaces [B=1+2+3+4+5+6]			
Proportion of the area of green spaces over 50 ha in relation to the total urban green space area (%)			
Proportion of green spaces per 1,000 inhabitants (m ² /1000 inh.)			
Proportion of green spaces with respect to the total built up area from 1.3 (%)			
Are there green structure maps available? Please describe briefly the contents of these maps.			
What land use trends/land use changes are expected within the next 5-10 years within your city with regard to the land use units being addressed (especially concerning the green and open spaces)?			
What is the position with land ownership? Briefly describe the problems and opportunities.			
1.6. Population			
Total city population:			Reference year:

1.7. Which trends have occurred during the past 5-10 years? (demographic changes, population growth or reduction, ageing, etc.)
1.8. Which trends are expected during the next 5-10 years? (demographic changes, population growth or reduction, ageing, etc.)

2. Geographical background		
2.1. Describe briefly the location of the city (natural characteristics regional situation, transport network, etc.)		
Absolute geographical location (Longitude/Latitude)	click here	click here
Altitude above sea level		
2.2. Climate (Please describe the climate in your city using the following terms: continental or maritime, humid or arid, hot summers or cool summers, mild winters or cold winters.) What are the benefits and disadvantages of this climate?		

2.3. Relief (Please describe the topography of your city using the following terms: flat or hilly, on a slope, on the top of a hill, in a valley, surrounded by hills.) What are the benefits and disadvantages that result from the topographical form?		
Deviation from the average altitude (lowest and highest point)	Highest point Lowest point	m m
2.4. Hydrology (Please describe the hydrology of your city in brief terms.) What are the benefits, disadvantages and risks with the hydrology system?		
Total water surface within the city		
Distribution of water surfaces (total water area = 100%) by main categories	Rivers	%
	Canals	%
	Lakes & Ponds	%
Proportion of all water surfaces in relation to the whole city area (%)		
Average ground water level	m	
Availability of water for plants / maintenance of green spaces		
2.5. What are the specific soil types within your city? What are the benefits and disadvantages of these soil types?		
2.6. Describe the vegetation characteristics of the city (types of habitats, naturally existing vegetation structures) What are the benefits and disadvantages of these vegetation characteristics?		

Plant covering rate (What is the proportion of areas covered by vegetation in relation to the whole city area?)	%	
Describe the kinds of vegetation structures your city habitually uses for the development of urban green spaces.		
Please name the dominant or typical tree species used (max. 5) in the public areas in your city.		
2.7. Are there specific natural protection areas in your city?		

3. Experiences and Objectives for development and maintenance of urban green and open spaces		
3.1. Goals and Strategies for urban development		
3.1.1. Does your city possess	a development policy?	
	a strategy?	
3.1.2. How are these delivered? What are the related documents?		
3.1.3. Do specific goals and relevant strategies exist for the planning of urban green and open spaces?		
Are these goals and strategies included in the development documents and plans cited in 3.1.2?		
Are the policies linked with ideas of sustainability? If so, how?		

<p>3.1.4 Is there any sustainability definition or convention used as a guideline (e.g. Agenda 21, Charta from Aalborg)? Please describe any programmes and projects used for sustainable development that are important for urban green and open space development in your city.</p>			
<p>3.1.5 Does your city participate in any regional green and open space policy or plan?</p>			
<p>If yes, please name it and describe the relationship with the city green space policy and plan.</p>			
<p>3.1.6 Which department(s) is (are) responsible for developing the goals and strategies for urban development?</p>			
<p>3.1.7 Which main planning instruments determine the general goals and strategies and how would you judge the efficiency of the instruments to aid the reaching of these goals?</p> <p>(e. g. landscape/city development plan, green management plan, green policy plan, concepts for nature conservation, special laws protecting and developing urban green)</p>			
Goals and strategies	Special laws/regulations	Special plans	Special concepts

3.2. Goals and Strategies for urban green space development			
3.2.1. Do specific goals and strategies exist for the planning of urban green and open spaces?			click here
If yes, what are the goals and strategies relevant to urban green spaces concerning urban development in your city?			
3.2.2. Which main planning instruments determine the achievement of the general goals and strategies (e.g. landscape/city development plan, green management plan, green policy plan, concepts for nature conservation, special laws protecting and developing urban green)?			
Name the planning instruments		Is it legally binding?	How would you judge its efficiency for reaching the goals?
		click here	click here
		click here	click here
		click here	click here
		click here	click here
		click here	click here
		click here	click here
		click here	click here
		click here	click here
3.2.3. Are there any projects or programmes to support some or all of the important functions of urban green spaces? Please name, if not yet mentioned before.			
Experience nature		Economic property value	
Positive image of the city		Improvement of urban structure	
3.2.4. Please name any projects or programmes supporting urban green spaces			
Ecological stability and balance			

Nature preservation	
No natural habitats within the city limits.	
Protection of species	
No natural habitats within the city limits.	<input type="checkbox"/>
Recreation and other free time activities	
3.2.5. Are there any specific projects or initiatives which support the development of new urban green and open systems? If so, please describe them.	
3.2.6. How does your city try to improve the following aspects of urban green spaces? Please name any concepts, projects or programmes supporting them.	
Good accessibility	
Safe places	
Citizen's health/exercise	
Multi-purpose use	
Quality of maintenance	
Others, please name	

3.3. Planning and Design			
3.3.1. How do you judge the importance of green space for the urban structure and image of your city?			
3.3.2. What types of green space are likely to be supported in the future? Please rate their importance.			
Regional parks	click here	Recreational areas	click here
Urban parks	click here	Playgrounds	click here
Neighbourhood parks	click here	Cemeteries	click here
Neighbourhood gardens	click here	Allotment areas	click here
Green squares	click here	Roof gardens	click here
Land left to nature, natural	click here		

colonization or natural succession			
Others, please name:			click here
			click here
			click here
3.3.3. What use possibilities should be offered in urban green spaces? Please rate their importance.			
Recreation/ Relaxation	click here	Children’s play	click here
Experience nature	click here	Education	click here
Sports and fun	click here	Gardening	click here
Social contacts	click here	Walking dogs	click here
Cultural events (theatre, etc)	click here	Forestry	click here
Nature protection	click here		
Other kinds of uses:			click here
			click here
3.3.4. Please number the following statements in the order of their current importance in your city. Green spaces:			
support the ecological and improve the environmental situation			click here
support cultural interests			click here
contribute to the preservation of nature in urban regions			click here
support the protection of species in urban regions			click here
contribute to the recreation of urban citizens			click here
contribute to the social interaction of urban citizens			click here
contribute to a healthier urban environment			click here
provide an experience of nature for urban citizens			click here
contribute to the positive image of the city			click here
encourage the general rise of property values in adjacent areas			click here
contribute to an improvement of the urban structure			click here
should be easily accessible (by foot, bicycle or car)			click here
should be safe places			click here
should be areas of multipurpose use			click here
Others, please name:			click here
			click here
			click here

3.4. Deficits and problems	
3.4.1. Are there any persistent problems or conflicts preventing the development of green spaces?	
Insufficient finance	click here

Political instability	click here
Corruption	click here
Bureaucracy	click here
Maintenance problems	click here
Ineffective green planning instruments and/or a lack of suitable concepts and strategies	click here
A lack of cooperation within the administration	click here
Not enough space in the urban area	click here
Space is available but is unsuitable	click here
Pressure for building on green areas	click here
Concurrence between open spaces and the increase of housing areas, commercial zones and/or traffic infrastructure	click here
Others, please name:	click here
	click here
	click here
	click here
3.4.2. Do any of these or other common problems cause difficulties regarding the maintenance of green areas?	click here
Finance	click here
Vandalism	click here
Litter/rubbish	click here
Insufficient security	click here
Violence against persons	click here
Drug consumption	click here
Dog excrement	click here
Land ownership	click here
Others, please name:	click here
	click here
	click here
	click here
3.4.3. If so, how does your city seek to address these problems? Please name or describe the concepts, projects or programmes and judge their efficiency in reducing the problems.	
Finance	click here
Vandalism	click here
Litter/rubbish	click here
Insufficient security	click here
Violence against persons	click here
Drug consumption	click here
Dog excrement	click here
Land ownership	click here
Others, please name:	click here

	click here
	click here
	click here
3.5. Participation in and responsibilities for planning, design, implementation and maintenance of urban green and open spaces	
3.5.1. Are there any existing procedures to encourage the involvement of residents in the planning, design, implementation and maintenance of green spaces?	
3.5.2. Please rate the importance of involving the citizens of your city during:	
Planning and design	click here
Implementation	click here
Maintenance	click here
If there are any special concepts, please describe these:	
How are your citizens involved in the planning and design process? Please comment on the efficiency of any involvement.	
	click here
How are your citizens involved in the implementation process? Please comment on the efficiency of any involvement.	
	click here
How are your citizens involved in the maintenance of urban green spaces? Please comment on the efficiency of any involvement.	
	click here
3.5.3. How is the procedure for the planning of green spaces usually used in your city: integration of planning documents, guidelines, participation, etc.?	

3.5.4. What instruments or documents are used? Please judge also the efficiency.			
			click here
			click here
			click here
			click here
			click here
3.5.4. Please describe the general planning procedures in your city. Are there any national, regional or others implications that have to be observed? If so, what are they?			
3.6. Importance and particular functions of urban green spaces			
3.6.1. Please rate the importance of the topics below to the responsible decision makers within the urban planning process.			
Planning of:			
Public green spaces	click here	Housing	click here
Private green spaces	click here	Culture	click here
Transport	click here	Economy	click here
Social aspects	click here	Environment	click here
Others, please name:			click here
			click here
			click here
			click here
3.7. Ecological and environmental demands			
3.7.1. Which environmental and/or ecological aspects are problematic in your city?			
Noise (traffic)	click here	Soil sealing/reducing the draining capacity	click here
Air pollution	click here	Fragmentation of habitats	click here
Water pollution	click here	Microclimate problems	click here
Soil pollution	click here	Hazards or natural disasters	click here
Others, please name:			click here
			click here
			click here
			click here
3.7.2. Which ecological functions of green spaces are the most influential regarding current green space planning in your city?			
Biodiversity preservation	click here	Drainage/rainwater infiltration	click here
Habitat functions	click here	Noise reduction	click here

Microclimate improvement	click here	Soil protection	click here		
Fresh air supply	click here	Protection of water bodies	click here		
Others, please name:			click here		
			click here		
			click here		
			click here		
3.7.3. Are there any specific projects or programmes – please give examples – to support some or all of these ecological functions?					
Biodiversity preservation					
Habitat functions					
Microclimate improvement					
Fresh air supply					
Rainwater infiltration					
Noise reduction					
Protection of water bodies					
Others, please name:					
3.8. Socio-cultural demands					
3.8.1. How do you judge the provision of public green space in your city?			click here		
3.8.2. Are there any districts with less than adequate green in your city?			click here		
If yes – please briefly describe these districts, summarising their structure (kind of buildings, density, function, location within the city).					
District (please name)	District 1	District 2	District 3	District 4	District 5
Location	click here	click here	click here	click here	click here

Land use	click here	click here	click here	click here	click here
Density of Built-up area	click here	click here	click here	click here	click here
Housing type	click here	click here	click here	click here	click here
Area of district in ha					
District (%) of whole city area					
Population of district					
Population % of total city					
Green Deficit	click here	click here	click here	click here	click here

3.8.3. What degree of importance do user groups have in the planning of green spaces, as seen from the viewpoint of the administration of the city?

Children	click here	Working population	click here
Teenagers Females Males	click here	Young families/persons with children	click here
Adults Females Males		Handicapped/special needs people	
Senior citizens	click here	Sports activities	click here
Ethnic groups	click here	Dog owners	click here
Others, please name:			click here
			click here
			click here
			click here

3.9. Economic situation and demands

3.9.1. Please provide the following data about your city:

	1990	1995	2000	2005
GDP per capita (€)				
Unemployment rate (%)				

Overall annual revenues of the city (€)				
Overall annual expenditures of the city (€)				
Overall revenues generated from green space annually (rents, taxes, etc.) (€)				
Overall annual expense on green space (e.g. maintenance) (€)				
Total cost to develop the pilot project (€)				
Amount that will be provided by the local government (in terms of the pilot project) (€)				
Expected revenues generated by the pilot project (€)				
3.9.2. Please evaluate the conditions in the following areas				
	Overall city	Richest neighbourhood in the city	Poorest neighbourhood in the city	City centre
Condition (quality of buildings, degree of land dereliction)				
Investment that has been attracted during the last 5 years				
Investment that will be attracted in the next 5 years				
Development that has taken place over the last 5 years (building construction/renovation)				
Development that will take place during the next 5 years				
3.9.3. How much funding is currently allocated for the planning, design and implementation of new urban green spaces or the improvement of existing spaces in the current city budget?				
Planning and design budget (€)				€
Planning and design budgeted relative to total city budget (%)				%
Budget for new implementations and improvements (€)				€
Budget for new implementations to total city budget (%)				%
3.9.4. How much funding is currently allocated to the maintenance of urban green spaces in the current city budget?				
Maintenance budget (€)				€
Maintaining budget relative to total city budget (%)				%

3.9.5. Which kinds of financing exist for green spaces development and management in your city and how important are the different sources of funding?		
	urban green spaces development	urban green spaces management
Local public	click here	click here
Special Government programmes	click here	click here
Funds	click here	click here
Private financing from development or sponsorship	click here	click here
Others, please name:	click here	click here
	click here	click here
3.9.6. Private initiatives – Please give a brief description of the types of private initiatives and their importance for the development of urban green.		
01.		click here
02.		click here
03.		click here
04.		click here
05.		click here
06.		click here
07.		click here
08.		click here
09.		click here
10.		click here

4. Are there any other interesting information or remarks?