







Water		Overall																		Mainly Public/Non-LA
		Sub-Aims	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Water	Increase Energy efficiency in water&wastewater utilities	No target			Weak	Very Strong	No influence/non-existing	Moderate	Moderate	Environment dept., Technical dept.	direct									
	Reduce Industrial Water consumption	No target			Weak	Weak	No influence/non-existing	Moderate	Moderate	Environment dept., Technical dept.	direct									
	Reduce domestic water consumption	No target			Weak	Weak	No influence/non-existing	Moderate	Moderate	Environment dept., Technical dept.	direct			contest between house holds					Household owners associations	
	Reduce stormwater runoff	No target			Weak	Strong	No influence/non-existing	Moderate	Moderate	Environment dept., Technical dept.	direct									
	Increase separation of wastewater and stormwater streams	No target			Weak	Strong	No influence/non-existing	Moderate	Moderate	Environment dept., Technical dept.	direct									
	Increase reuse of greywater/treated water	No target			Weak	Very Strong	No influence/non-existing	Moderate	Moderate	Environment dept., Technical dept.	direct									
	Overall																			
Health and Liveability		Overall																		Mainly Public/Non-LA
		Sub-Aims	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Health and Liveability	Increase accessibility/proximity of recreational areas	SEAP P3, by 2016			Strong	Weak	No influence/non-existing	Moderate	Moderate	Urban planning, environment department, legal advice dept.	direct	Local budget, EU funds	PUG							
	Ensure affordable housing	No target			Weak	Weak	No influence/non-existing	Strong	Moderate	Urban planning, Housing dept.	direct	Local budget	LCD							
	Reduce energy poverty	No target																		
	Improve air quality	Municipal strategy 2030: by 2016			Moderate	Weak	No influence/non-existing	Moderate	Strong	Environ.Transport	direct	Local budget		Informal and awareness events				Local Environment Agency	ONG	Enterprises
	Reduce noise exposure	Municipal strategy 2030: by 2016					No influence/non-existing				direct	Local budget								
	Increase availability of community facilities/services	No target			Strong	Moderate	No influence/non-existing	Moderate	Moderate	Social dept., urban planning	direct	Local budget, EU funds	LCD					DGAS	ONG	
	Increase walkability in neighborhoods	Municipal strategy 2030, By 2019			Strong	Weak	No influence/non-existing	Moderate	Moderate	Urban planning, environment department, legal advice dept.	direct	Local budget							ONG	
Overall																				Mainly Public/Non-LA
Lifestyle Consumption Patterns		Overall																		Mainly Public/Non-LA
		Sub-Aims	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Lifestyle Consumption Patterns	Increase share of local goods	Municipal strategy 2030, By 2019			Weak	Strong	No influence/non-existing	Strong	Moderate	Fairs management , env.dept.dept.	direct	Local budget		Informal and awareness events						
	Increase urban agriculture	Municipal strategy 2030, By 2015			Moderate	Strong	No influence/non-existing	Moderate	Moderate	Agriculture dept., env. dept.	direct	Local budget		Informal and awareness events						

The **datasheet Sectors** analyzes the assessments given per sector. Three graphics are provided as outcome:

- 1) Energy Assessment per Sectors Overall (only overall assessments are taken into account)
- 2) Energy Assessment per Aims (this more profound assessment evaluates the sectors per data given for each aim)
- 3) Comparison of assessments given per sectors and per aims.

**Overview outcome assessment sectors**

Energy Assessment	# of assessments	SP	max SP per sector	%	Graphic
Energy Generation Distribution and Consumption	19	30	57	28,9%	
Mobility and Transport	18	47	54	80,6%	
Urban Planning	18	50	54	88,9%	
Waste	19	24	57	13,2%	
Housing and Buildings	18	53	54	97,2%	
Water	18	52	54	94,4%	
Health and Liveability	18	53	54	97,2%	
Consumption Patterns	18	53	54	97,2%	

**Overview outcome assessment sectors based on the cumulation of aims**

Energy Assessment	# of assessments	SP	max SP per sector	%	Graphic
Energy Generation Distribution and Consumption	166	280	498	34,3%	
Mobility and Transport	150	260	450	36,7%	
Urban Planning	116	218	348	44,0%	
Waste	68	120	204	38,2%	
Housing and Buildings	357	625	1071	37,5%	
Water	102	133	306	15,2%	
Health and Liveability	119	227	357	45,4%	
Consumption Patterns	34	56	102	32,4%	

Energy Assessment	% Overall	% Aims	Graphic
Energy Generation Distribution and Consumption	28,9%	34,3%	
Mobility and Transport	80,6%	36,7%	
Urban Planning	88,9%	44,0%	
Waste	13,2%	38,2%	
Housing and buildings	97,2%	37,5%	
Water	94,4%	15,2%	
Health and Liveability	97,2%	45,4%	
Consumption Patterns	97,2%	32,4%	

The **datasheet Aims** displays the individual assessments given for each aim.

For an easier comparison among the aims and sectors, the results are given as percentages. Cells left blank in the Assessment datasheet will not influence the outcome negatively.

However it is advised to give as many assessments as possible to validate the results.

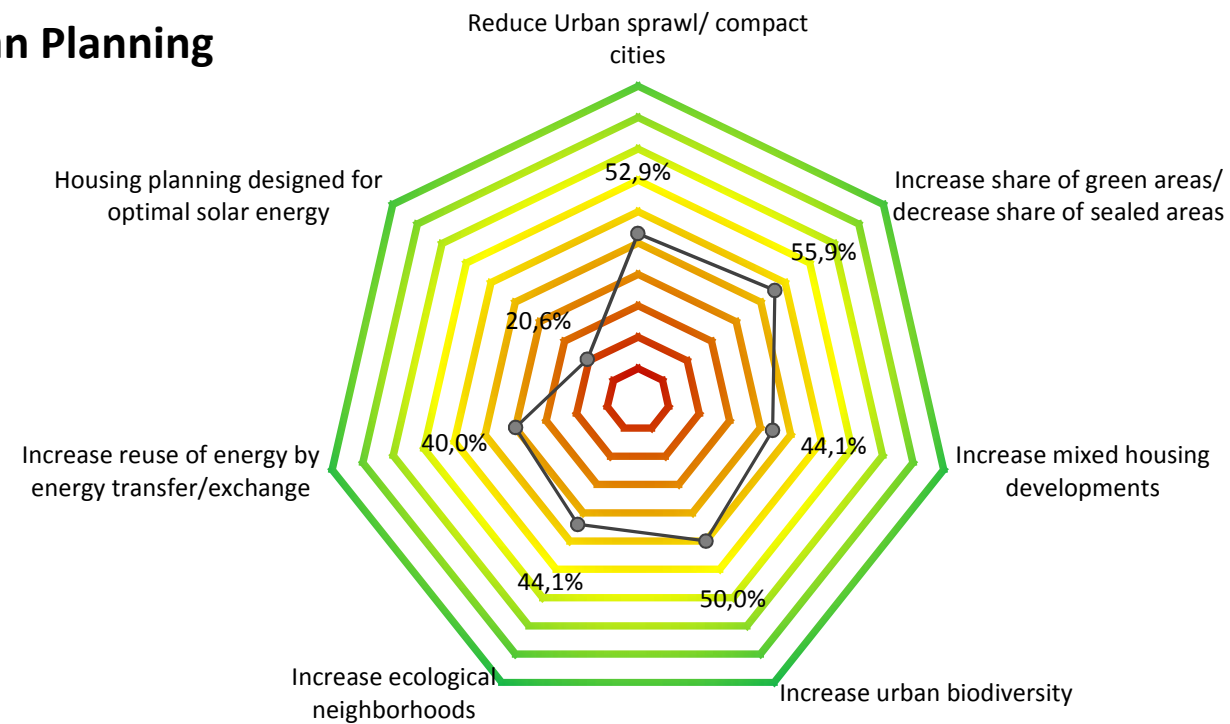
If an aim is completely inapplicable you can delete the row in this datasheet to avoid a 0% result. However, once deleted the row cannot be restored easily.

### Overview outcome assessment

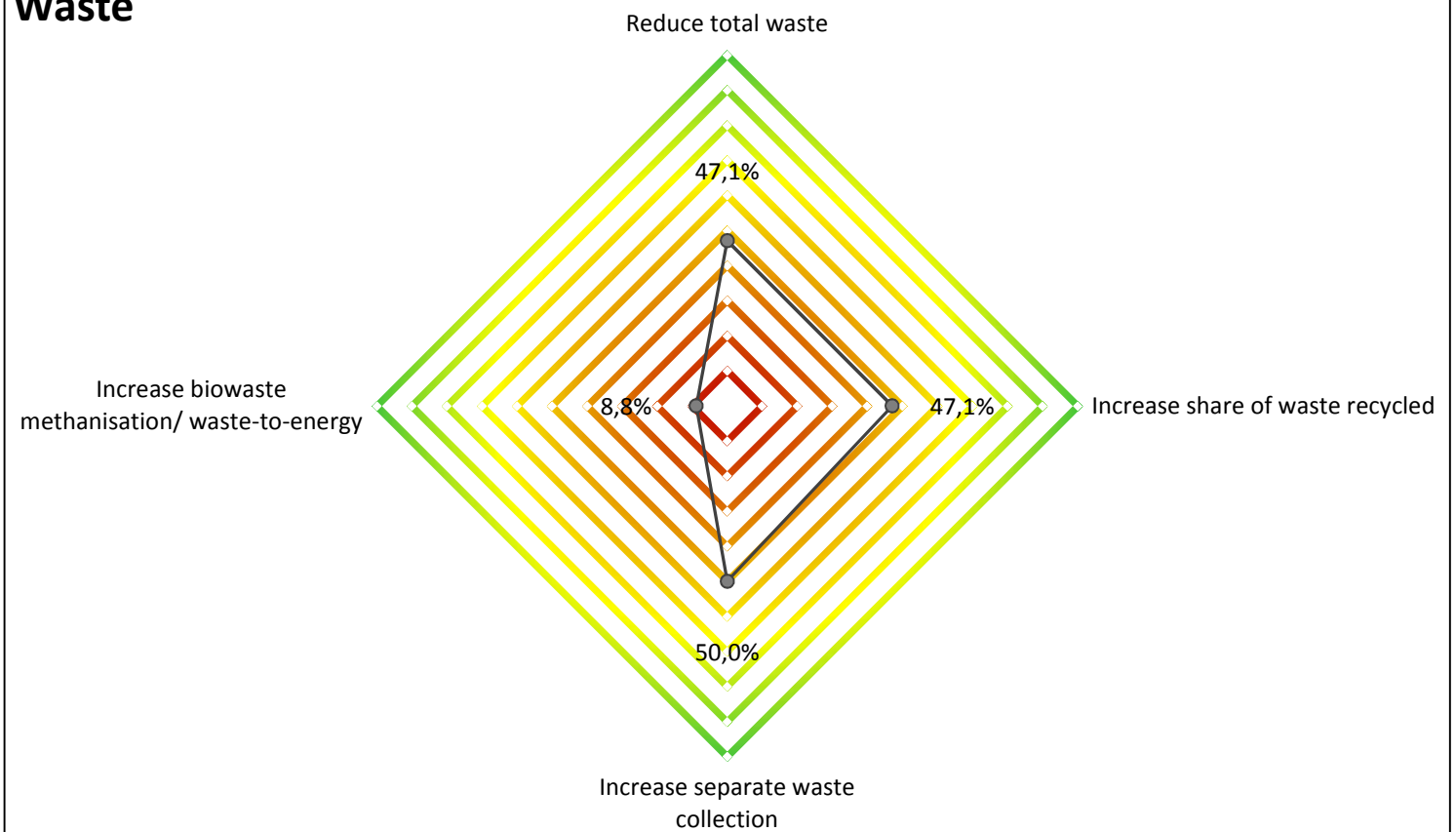
Sector	Aim	# of assess	SP	max SP per	%	Graphics
Energy Generation Distribution and Consumption	Reduce overall energy consumption in entire city	17	32	51	44,1%	
	Reduce energy consumption of LA	17	37	51	58,8%	
	Reduce energy consumption in private sector	17	21	51	11,8%	
	Reduce energy consumption in households	17	27	51	29,4%	
	Increase share of renewable energy production	15	28	45	43,3%	
	Increase share of renewable energy consumption in entire city	15	28	45	43,3%	
	Increase share of renewable energy consumption in LA	17	29	51	35,3%	
	Increase share of renewable energy consumption in private sector	17	22	51	14,7%	
	Increase share of renewable energy consumption in households	17	24	51	20,6%	
	Increase share of local energy sources	17	32	51	44,1%	
<b>Energy Generation Distribution and Consumption</b>		<b>166</b>	<b>280</b>	<b>498</b>	<b>34,34%</b>	
Mobility and Transport	Increase bike use	17	36	51	55,9%	
	Decrease fossil fuel car use	17	28	51	32,4%	
	Increase share of public transport	17	32	51	44,1%	
	Decrease motorised individual traffic of LA-Employees	17	28	51	32,4%	
	Increase pedestrian areas	17	33	51	47,1%	
	Decrease conventional goods traffic	16	26	48	31,3%	
	Increase intermodal connection of railway stations	17	30	51	38,2%	

	Increase share of renewables in public transport	17	23	51	17,6%
	Increase renewables in LA car use	15	24	45	30,0%
<b>Mobility and Transport</b>		<b>150</b>	<b>260</b>	<b>450</b>	<b>36,67%</b>
	Reduce Urban sprawl/ compact cities	17	35	51	52,9%
	Increase share of green areas/ decrease share of sealed areas	17	36	51	55,9%
	Increase mixed housing developments	17	32	51	44,1%
	Increase urban biodiversity	16	32	48	50,0%
	Increase ecological neighborhoods	17	32	51	44,1%
	Increase reuse of energy by energy transfer/exchange	15	27	45	40,0%
	Housing planning designed for optimal solar energy	17	24	51	20,6%
<b>Urban Planning</b>		<b>116</b>	<b>218</b>	<b>348</b>	<b>43,97%</b>
	Reduce total waste	17	33	51	47,1%
	Increase share of waste recycled	17	33	51	47,1%
	Increase separate waste collection	17	34	51	50,0%
	Increase biowaste methanisation/ waste-to-energy	17	20	51	8,8%
<b>Waste</b>		<b>68</b>	<b>120</b>	<b>204</b>	<b>38,24%</b>
	Increase retrofitting rate	17	33	51	47,1%
	Increase share of retrofitted LA buildings	17	34	51	50,0%
	Increase share of retrofitted private sector buildings	17	29	51	35,3%
	Increase share of retrofitted citizen houses	17	30	51	38,2%
	Increase use of local/sustainable construction materials	17	30	51	38,2%
	Increase longevity of buildings/ re-use potential	17	34	51	50,0%
	Increase share of low energy houses	17	30	51	38,2%
	Increase overall share of CHP in Houses and Buildings	17	29	51	35,3%

### Urban Planning



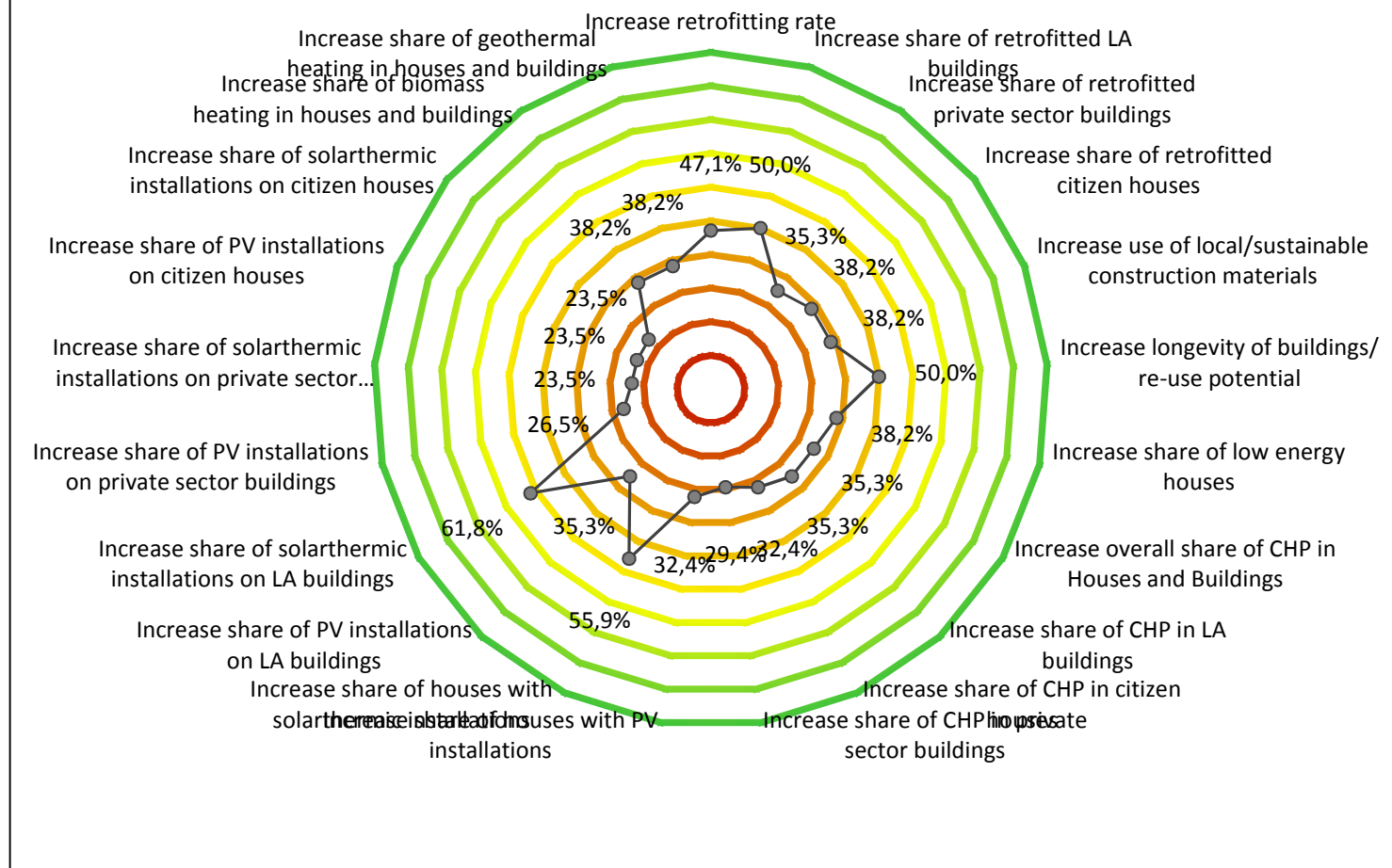
### Waste



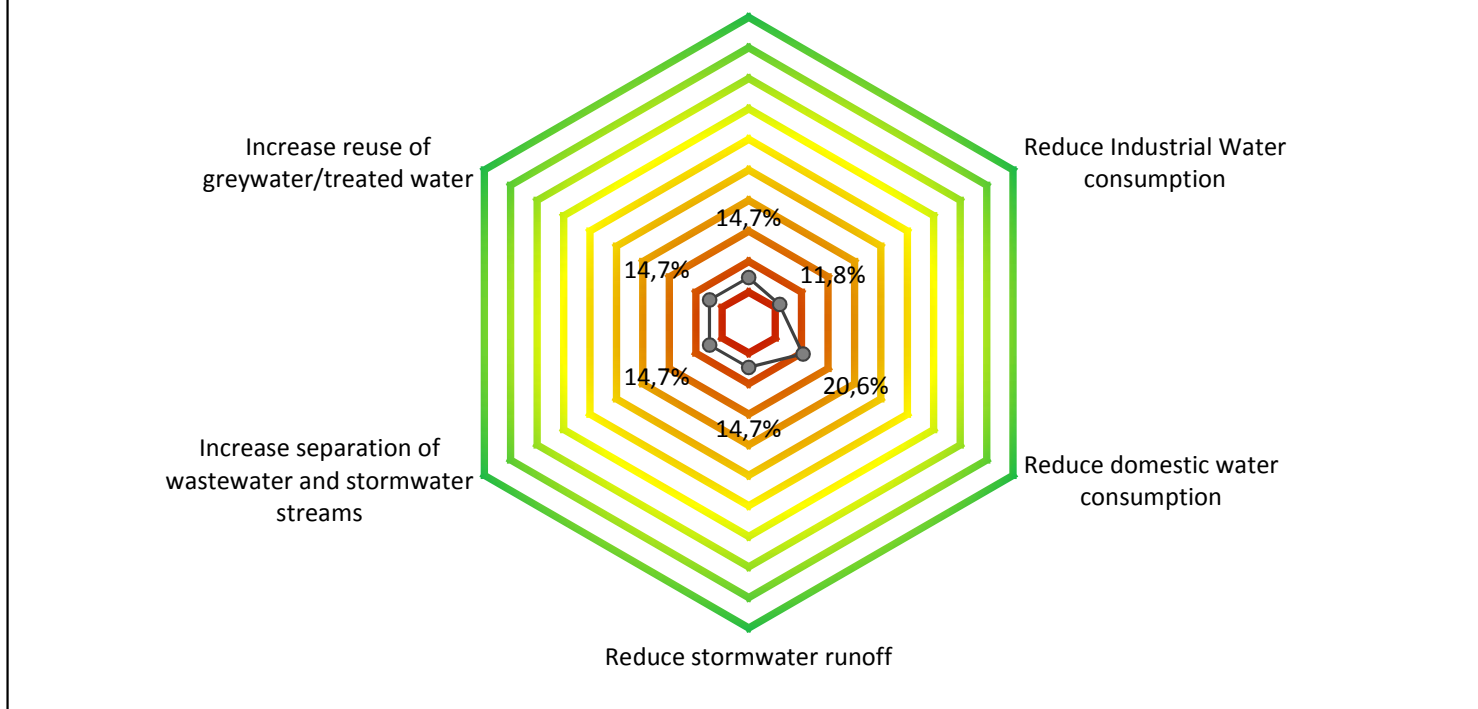


Increase share of CHP in LA buildings	17	29	51	35,3%
Increase share of CHP in citizen houses	17	28	51	32,4%
Increase share of CHP in private sector buildings	17	27	51	29,4%
Increase share of houses with PV installations	17	28	51	32,4%
Increase share of houses with solarthermic installations	17	36	51	55,9%
Increase share of PV installations on LA buildings	17	29	51	35,3%
Increase share of solarthermic installations on LA buildings	17	38	51	61,8%
Increase share of PV installations on private sector buildings	17	26	51	26,5%
Increase share of solarthermic installations on private sector buildings	17	25	51	23,5%
Increase share of PV installations on citizen houses	17	25	51	23,5%
Increase share of solarthermic installations on citizen houses	17	25	51	23,5%
Increase share of biomass heating in houses and buildings	17	30	51	38,2%
Increase share of geothermal heating in houses and buildings	17	30	51	38,2%
<b>Housing and Buildings</b>	<b>357</b>	<b>625</b>	<b>1071</b>	<b>37,54%</b>
Increase Energy efficiency in water&wastewater utilities	17	22	51	14,7%
Reduce Industrial Water consumption	17	21	51	11,8%
Reduce domestic water consumption	17	24	51	20,6%
Reduce stormwater runoff	17	22	51	14,7%
Increase separation of wastewater and stormwater streams	17	22	51	14,7%
Increase reuse of greywater/treated water	17	22	51	14,7%
<b>Water</b>	<b>102</b>	<b>133</b>	<b>306</b>	<b>15,20%</b>
Increase accessibility/proximity of recreational areas	17	29	51	35,3%
Ensure affordable housing	17	28	51	32,4%
Reduce energy poverty	17	35	51	52,9%

### Housing/buildings

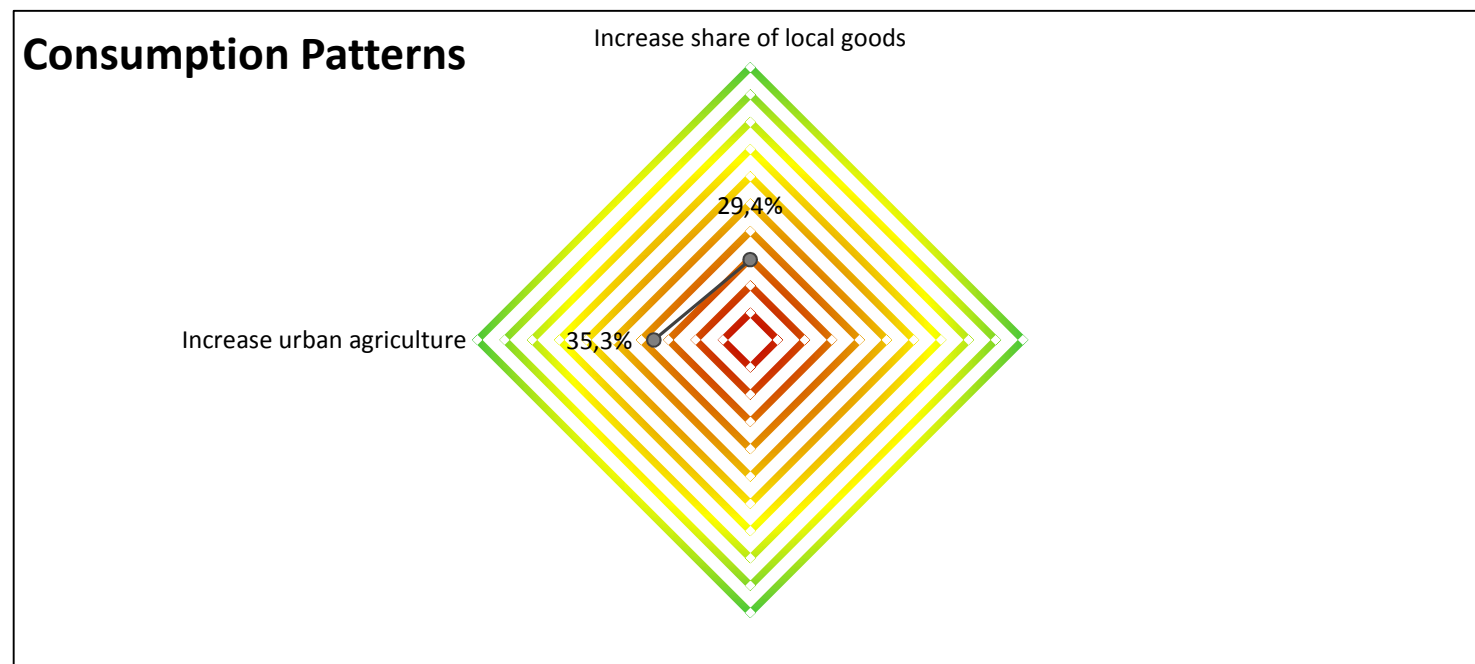
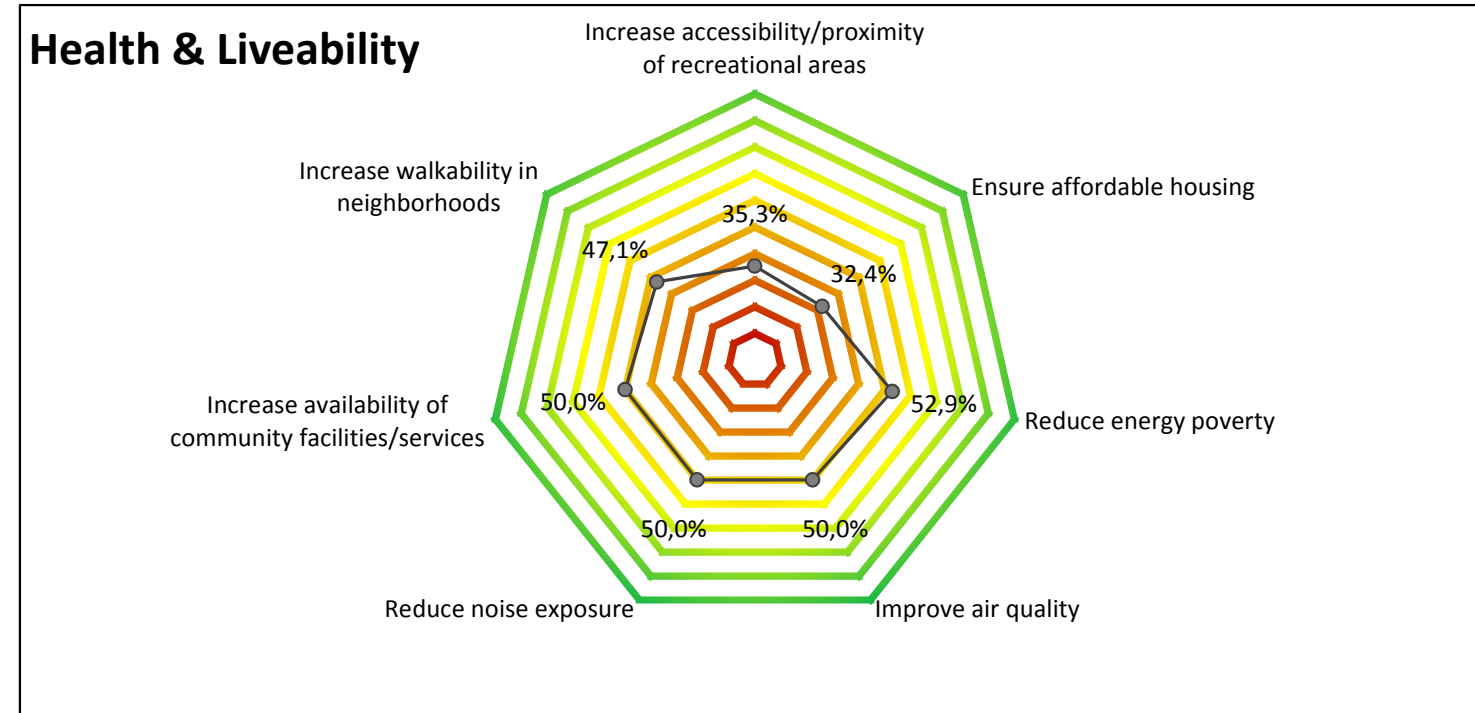


### Water





	Improve air quality	17	34	51	50,0%
	Reduce noise exposure	17	34	51	50,0%
	Increase availability of community facilities/services	17	34	51	50,0%
	Increase walkability in neighborhoods	17	33	51	47,1%
	<b>Health and Liveability</b>	<b>119</b>	<b>227</b>	<b>357</b>	<b>45,38%</b>
	Increase share of local goods	17	27	51	29,4%
		do not delete!			
		do not delete!			
	Increase urban agriculture	17	29	51	35,3%
	<b>Consumption Patterns</b>	<b>34</b>	<b>56</b>	<b>102</b>	<b>32,35%</b>





The **datasheet Assessment\_Gov** analyzes the assessments given for each sector (per aim) and displays the outcome for each column (e.g. "Policy").  
The traffic light symbols display the results for each column. They are underlined by bar diagrams indicating gradings between assessments.  
The percentage below indicates the number of assessments given for each match.

Sector	Policy			Institutional Settings					Interdepartmental Cooperation		Financial Resources	Instruments used by LA				Stakeholder & Players			Ownership structure
	Mid-term target	Long-term target	Status quo	LA responsible	Subregional government responsible	Regional government responsible	National government responsible	EU responsible	Intersectorality	Effectiveness		Formal or regulatory instruments	Informal Instruments	Financial instruments	Organisational Instruments	Public	Civil society	Private	
<b>Energy Generation Distribution</b> <i>Amount of data given</i>	<b>50%</b> 100%	<b>100%</b> 100%	<b>20%</b> 100%	<b>35%</b> 100%	<b>45%</b> 100%	<b>0%</b> 0%	<b>50%</b> 100%	<b>60%</b> 100%	<b>55%</b> 100%	<b>88%</b> 80%	<b>40%</b> 100%	<b>30%</b> 100%	<b>25%</b> 100%	<b>30%</b> 100%	<b>6%</b> 80%	<b>40%</b> 100%	<b>15%</b> 100%	<b>0%</b> 100%	<b>0%</b> 100%
<b>Mobility and Transport</b> <i>Amount of data given</i>	<b>50%</b> 100%	<b>100%</b> 100%	<b>17%</b> 100%	<b>56%</b> 100%	<b>44%</b> 100%	<b>0%</b> 0%	<b>44%</b> 100%	<b>44%</b> 100%	<b>56%</b> 100%	<b>100%</b> 89%	<b>44%</b> 100%	<b>38%</b> 89%	<b>31%</b> 89%	<b>17%</b> 100%	<b>11%</b> 100%	<b>61%</b> 100%	<b>6%</b> 100%	<b>11%</b> 100%	<b>100%</b> 100%
<b>Urban Planning</b> <i>Amount of data given</i>	<b>64%</b> 100%	<b>100%</b> 100%	<b>43%</b> 100%	<b>93%</b> 100%	<b>36%</b> 100%	<b>0%</b> 0%	<b>36%</b> 100%	<b>29%</b> 100%	<b>57%</b> 100%	<b>100%</b> 86%	<b>43%</b> 100%	<b>43%</b> 100%	<b>21%</b> 100%	<b>14%</b> 100%	<b>10%</b> 71%	<b>93%</b> 100%	<b>29%</b> 100%	<b>36%</b> 100%	<b>100%</b> 100%
<b>Waste</b> <i>Amount of data given</i>	<b>75%</b> 100%	<b>100%</b> 100%	<b>50%</b> 100%	<b>38%</b> 100%	<b>13%</b> 100%	<b>0%</b> 0%	<b>38%</b> 100%	<b>38%</b> 100%	<b>75%</b> 100%	<b>100%</b> 100%	<b>38%</b> 100%	<b>38%</b> 100%	<b>38%</b> 100%	<b>0%</b> 100%	<b>0%</b> 100%	<b>38%</b> 100%	<b>38%</b> 100%	<b>38%</b> 100%	<b>100%</b> 0%
<b>Housing and buildings</b> <i>Amount of data given</i>	<b>40%</b> 100%	<b>100%</b> 100%	<b>19%</b> 100%	<b>55%</b> 100%	<b>38%</b> 100%	<b>0%</b> 0%	<b>52%</b> 100%	<b>50%</b> 100%	<b>100%</b> 100%	<b>100%</b> 100%	<b>24%</b> 100%	<b>19%</b> 100%	<b>36%</b> 100%	<b>10%</b> 100%	<b>0%</b> 100%	<b>50%</b> 100%	<b>45%</b> 100%	<b>0%</b> 100%	<b>50%</b> 100%
<b>Water</b> <i>Amount of data given</i>	<b>0%</b> 100%	<b>100%</b> 100%	<b>0%</b> 100%	<b>0%</b> 100%	<b>33%</b> 100%	<b>0%</b> 0%	<b>0%</b> 100%	<b>0%</b> 100%	<b>100%</b> 100%	<b>100%</b> 100%	<b>8%</b> 100%	<b>0%</b> 100%	<b>8%</b> 100%	<b>0%</b> 100%	<b>0%</b> 100%	<b>0%</b> 100%	<b>8%</b> 100%	<b>0%</b> 100%	<b>0%</b> 100%
<b>Health and Liveability</b> <i>Amount of data given</i>	<b>50%</b> 100%	<b>100%</b> 100%	<b>29%</b> 100%	<b>57%</b> 100%	<b>14%</b> 100%	<b>0%</b> 0%	<b>50%</b> 100%	<b>57%</b> 100%	<b>100%</b> 100%	<b>86%</b> 100%	<b>57%</b> 100%	<b>21%</b> 100%	<b>50%</b> 100%	<b>21%</b> 100%	<b>29%</b> 100%	<b>50%</b> 100%	<b>50%</b> 100%	<b>50%</b> 100%	<b>50%</b> 100%
<b>Consumption Patterns</b> <i>Amount of data given</i>	<b>100%</b> 100%	<b>100%</b> 100%	<b>50%</b> 100%	<b>25%</b> 100%	<b>50%</b> 100%	<b>0%</b> 0%	<b>25%</b> 100%	<b>50%</b> 100%	<b>50%</b> 100%	<b>100%</b> 100%	<b>50%</b> 100%	<b>0%</b> 100%	<b>50%</b> 100%	<b>0%</b> 100%	<b>0%</b> 100%	<b>0%</b> 100%	<b>0%</b> 100%	<b>0%</b> 100%	<b>50%</b> 0%
<b>Overall</b> <i>Amount of data given</i>	<b>50%</b> 100%	<b>0%</b> 100%	<b>24%</b> 100%	<b>46%</b> 100%	<b>37%</b> 100%	<b>0%</b> 0%	<b>41%</b> 100%	<b>47%</b> 100%	<b>66%</b> 100%	<b>100%</b> 94%	<b>41%</b> 100%	<b>26%</b> 98%	<b>33%</b> 98%	<b>12%</b> 100%	<b>3%</b> 94%	<b>45%</b> 100%	<b>22%</b> 100%	<b>6%</b> 100%	<b>50%</b> 100%
Median of categories	<b>23%</b>			<b>43%</b>					<b>88%</b>		<b>35%</b>	<b>19%</b>				<b>30%</b>			<b>56%</b>

The datasheet **The Abacus** matches the sectors with the assessments for each category

<b>Bistrita:</b>		<b>Quality of category for each sectors</b>							
		Policy	Institutional Settings	Interdepartmental Cooperation	Financial Resources	Instruments used by LA	Stakeholders and Players	Ownership structures	
<b>"The Abacus"</b>	High quality 	<i>Energy Generation</i>							
	<i>Distribution and Consumption</i>								
	<i>Mobility and Transport</i>								
	<i>Urban Planning</i>								
	<i>Waste</i>								
	<i>Housing and Buildings</i>								
	<i>Water</i>								
	<i>Health and Liveability</i>								
<i>Consumption Patterns</i>									

Bistrita		Quality of categories and problems						
		Policy	Institutional settings	Interdepartmental Cooperation	Financial Resources	Instruments used by LA	Stakeholders and Players	Ownership structure
"The scheme of the governance structure"	High quality							
	Average quality							
Low quality								
No Information								
main problems								