SBE ASSESSMENT TOOL

Version : 2023-A

TABLE OF CONTENTS

The first step will be to look for the page:

www.sustainablemedcities.tools

There you will find a general description of the tool, why use it, how to access it and support material in pdf format.

1. Register - Sign in

To start using the tool it will be necessary to register with an e-mail and declare if you are the owner of that account or not.

At the time of registration you will be given a user category, these can be: administrator, owner or assessor.

Each one will have different options when using the tool.

Once registered, you will be able to access your profile in the log in area, there you will only have to enter with your email and password.

If for any reason you forget your password you can click on the link "forgot your password?" and you can recover it by following the steps indicated. You can also resend the confirmation email to activate your account.

2. Generic Framework

The first area of the tool is called generic framework, this will be enabled only for the administrator, in this section you can view the three tools with which it is possible to work and understand its application methodology, these are:

1. SBTool

2. SNTool

3. SBTool

Each tool is divided into 4 sections:
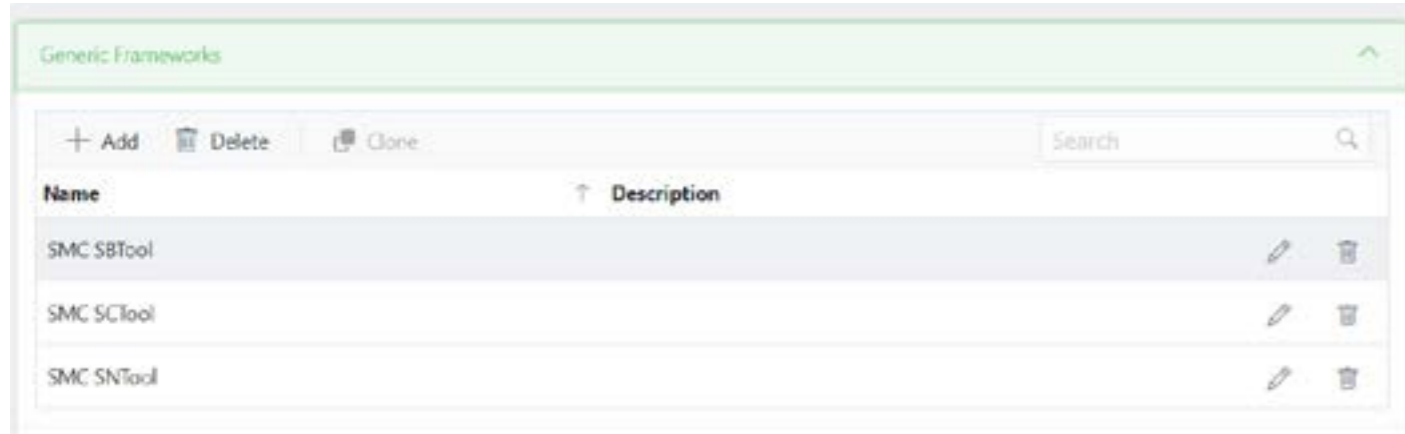
1. Issues

2. Categories

3. Criteria

4. Indicators

To further information go to the guide manual of each Tool

1 Generic Framework

To start seeing the available tools, the first step is to choose between SBTool, SNTool and SC-Tool so that the corresponding issues of each tool are displayed.

2 Issues

The second step will be to display all the issues that the selected tool contains, in the case of SNTool and SCTool there will be 10 issues while for SBTool there will be 8 issues
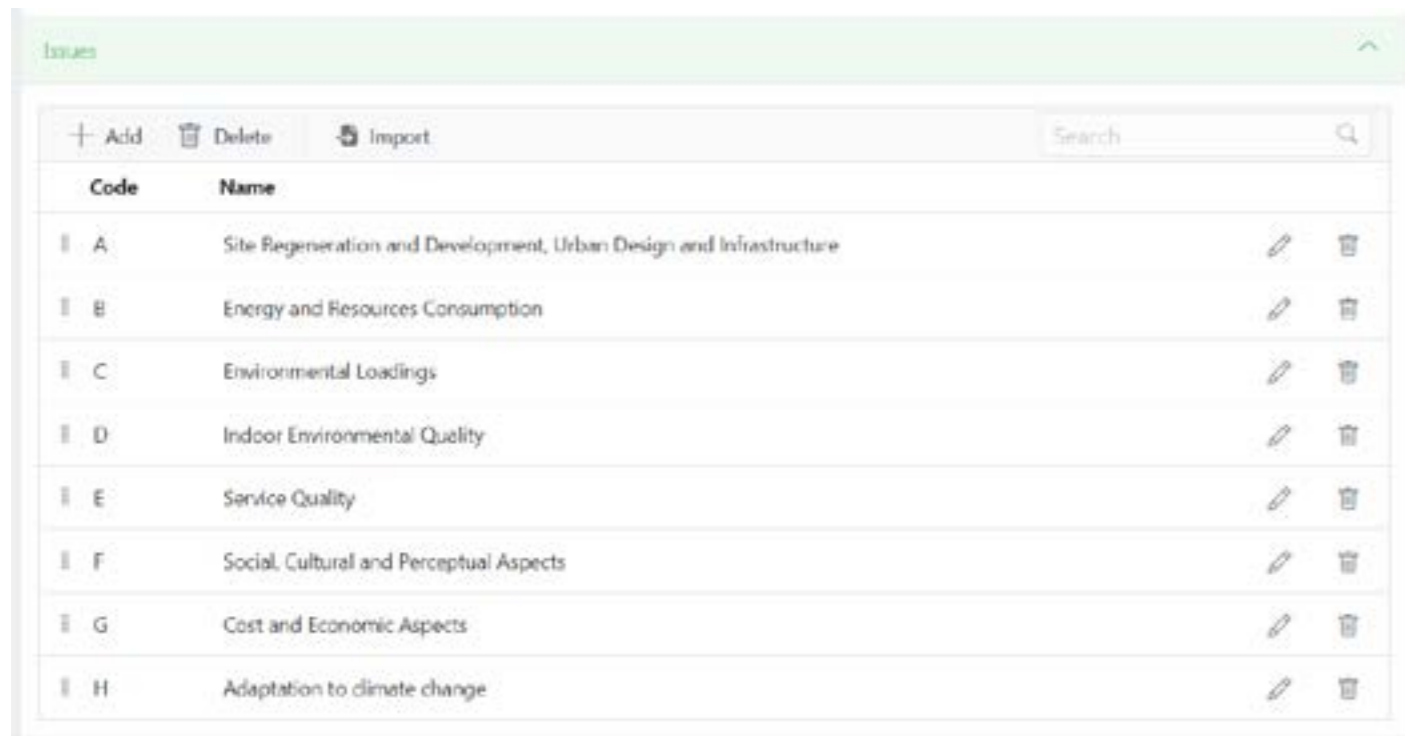
3 Categories

The third step consists of displaying each issue to be able to identify which categories are contained in it and thus be able to decide which ones will be useful for the assessment.

4 Criteria and indicators

Finally, the criteria and indicators will be displayed, which are those that will be calculated to evaluate sustainability of the building, neighbourhood or city.
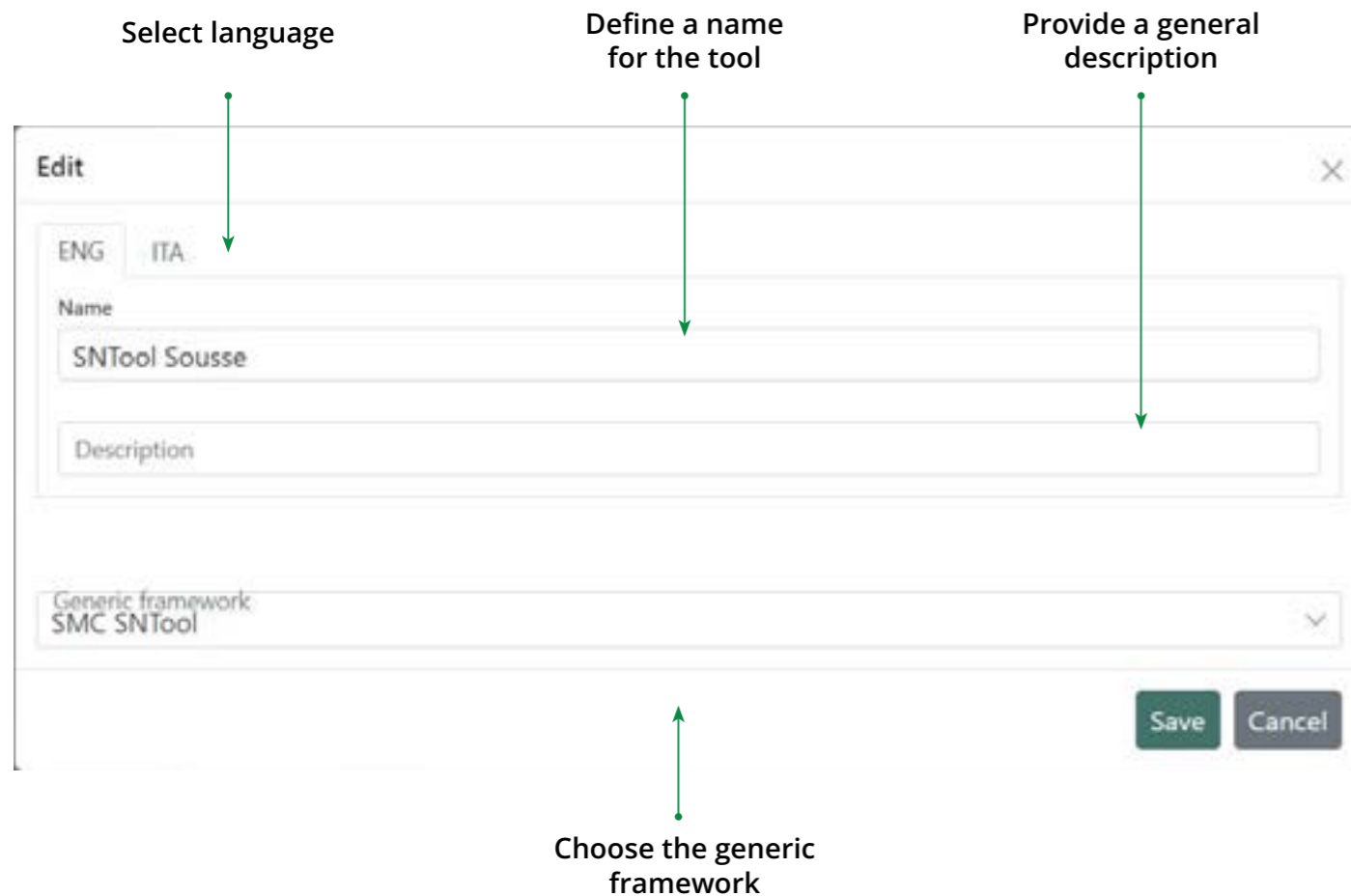
3. Assessment Tools

SBTool MED, SNTool MED, SCTool MED are assessment systems for measuring the sustainability. It is a tool useful to support decision making processes for the development, implementation and monitoring development plans for more sustainable cities. All the tools can be contextualized and adapted to any Mediterranean region.

The assessment tools will be enabled for users of the **owner** category, in this section you can choose under unique circumstances which issues, categories and criteria will be used in the assessement.

① Generic Framework
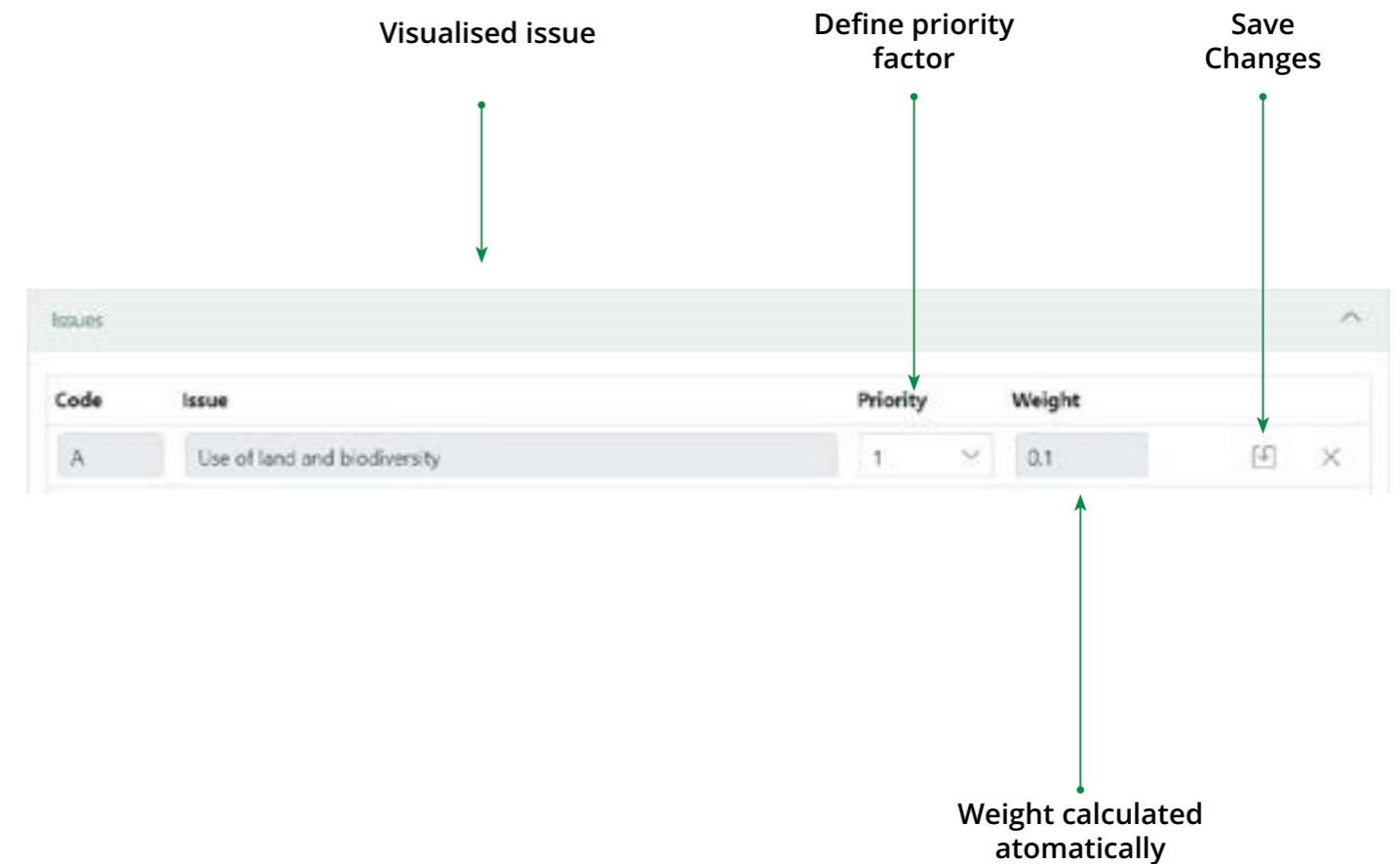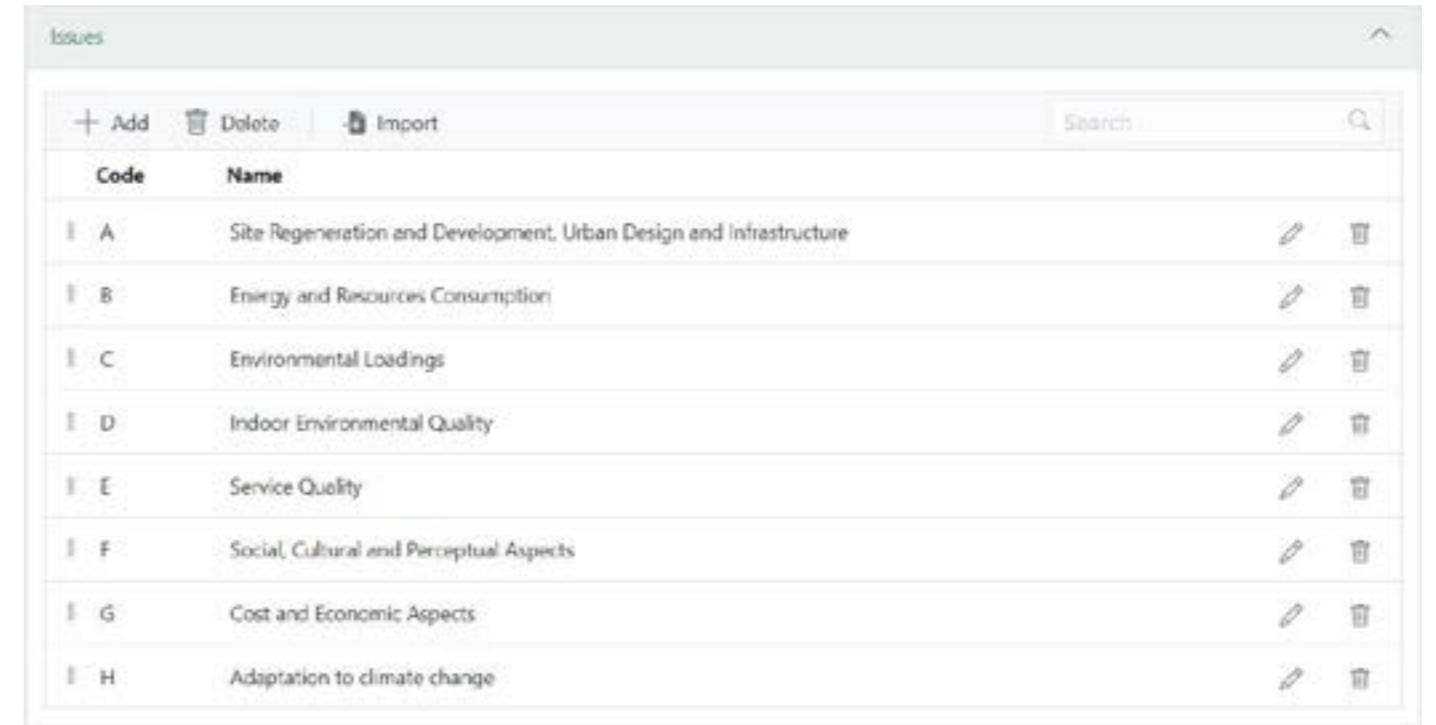
For the firt step you have the possibility to choose the tool you are going to work with, in this case we will use SMC SCTool for cities,

It is possible to modify the name of the tool to the specific city and also to describe in general terms it. Furthermore yo have the option to put the information in 5 different languajes (English, Italian, French, Spanish and Greek).

Select language   **Define a name for the tool**   **Provide a general description**

Choose the generic framework
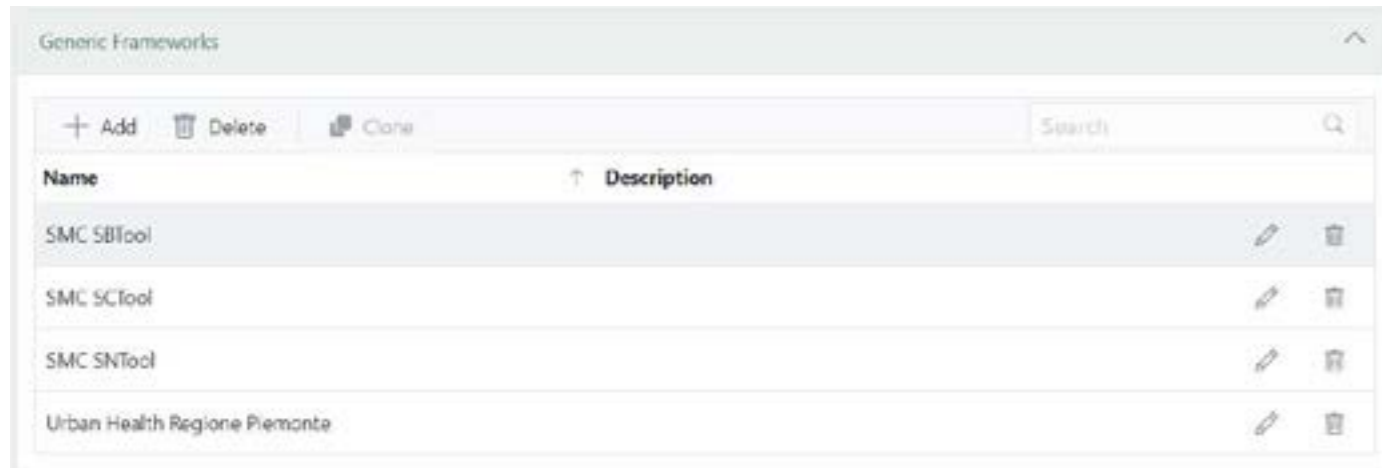
② Issues

Once you select the tool, you will be able to visualize the issues. You wil have the possibility to activate the ones you need for your asessment, this mean it is not mandatory to work with the 10 issues and you should define a proirity factor to the active issues (0 - 5).

Visualised issue   **Define priority factor**   **Save Changes**

Weight calculated atomatically

3 Categories

Concern particular aspects of issues. Each category would change depending the issuue you will be working on, for example: The issue A - Site regeneration and development,Urban design and infraestructure contains category A1- Site location and A-2 Site development.

Also for the categories you would be able to choose the priority factor (0 - 5)

Categories					^
+ Add	🗑 Delete	🔃 Import		Search	🔍
Code	↑ **Name**				
A1	Site Selection			🖉	🗑
A2	Site development			🖉	🗑

Visualised the category · **Define priority factor** · **Save Changes**

Categories				^
Code	**Category**	**Priority**	**Weight**	
A1	Use of land	1 ⌄	0.33333333...	📄 ✕

Weight calculated atomatically

4 Criteria and indicators

Criteria represent the basic assessment entries used to evaluate the sustainability. Each criterion is associated to an indicator, they are physical quantities or qualitative scenarios that allow to assess the performance of the cities.
In this section you would be able to:
1. Change the status of the criteria: Active or innactive.
2. Choose the impact: min 0 max 225.
3. Select the benchmark 0: numeric value.
4. Select the benchmark 5: numeric value.

Criteria					^
+ Add	🗑 Delete	🔃 Import		Search	🔍
Code	**Name**		**Indicator**		
A1.1	Ecological value of land		I165 – Pre-development ecological value of land	🖉	🗑
A1.2	Proximity of site to public transport...		I3 – Accessibility index to public transportation	🖉	🗑
A1.3	Adjacency to existing service infrastr...		I20 – Average distance between the site and key existing infrast...	🖉	🗑
A1.4	Proximity to key services		I21 – Average distance from key services	🖉	🗑

Visualised the caterion · **Define impact min 0 - max 225** · **Define value to benchmark 5** · **Save Changes**

Criteria							^
Code	**Criteria**	**Status**	**Impact**	**Low**	**High**	**Weight**	
A1.1	Population dens...	Active ⌄	0 ⌄ ⌃	0 ⌄ ⌃	0 ⌄ ⌃	0	📄 ✕
A1.2	Urban compactness	Active	0	0	0	—	🖉 🗑
A1.3	Homogeneity of t...	Active	0	0	0	—	🖉 🗑
A1.4	Conservation of la...	Active	0	0	0	—	🖉 🗑

Active or innactive criterion · **Define value to benchmark 0** · **Weight calculated atomatically**

4. Assessment

The asessement chapter will be enabled to the **asessors** which can fill out the data collected, related to the indicators that were chosen in the tool.

To start the evaluation phase, you must enter the name of the project and choose the assessment tool, then click on the icon of the two interlocking rings

You will visualize firstable the category, then the criteria and finally the indicator description, where they will fill the gaps of "value", "Target" and "override".
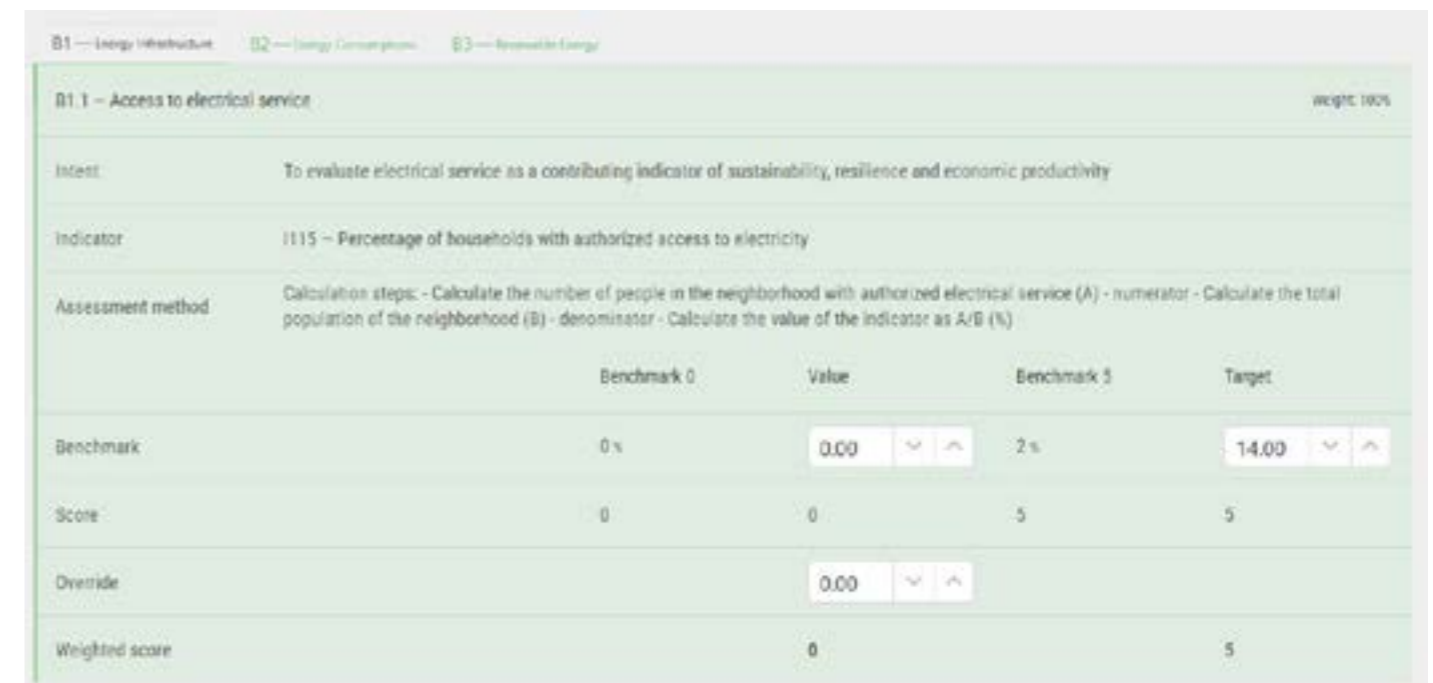
Then the tool will automatically calculated the results and will provide the results in a spider net chart and a table.

Active issue

Weighted score by issue

Overall score

Spider net for issues

Pie chart for active issues

Issue code | Issue name | Weight | Score | Weighted score

A	Use of land and biodiversity	0%	0.00	0.00
B	Energy	24%	3.68	0.87
C	Water	0%	0.00	0.00
D	Solid Waste	12%	4.02	0.47
E	Environmental quality	29%	1.08	0.32
F	Transportation and mobility	0%	0.00	0.00
G	Social Aspects	18%	1.95	0.34
H	Economy	0%	0.00	0.00
I	Climate Change: mitigation and adaptation	18%	3.24	0.57
J	Governance	0%	0.00	0.00

Active issues | Categories | Weight | Weighted score

∨ B – Energy			
B1	Energy infrastructure	11%	0.00
B2	Energy consumptions	33%	1.32
B3	Renewable energy	56%	2.36
∨ C – Water			
C1	Water infrastructure	33%	0.00
C2	Water consumption	33%	0.00
C3	Effluents management	33%	0.00
∨ D – Solid Waste			
D1	Solid waste collection infrastructure	67%	2.67
D2	Solid waste management	33%	1.35

Assessment Tool

Assessment Tool
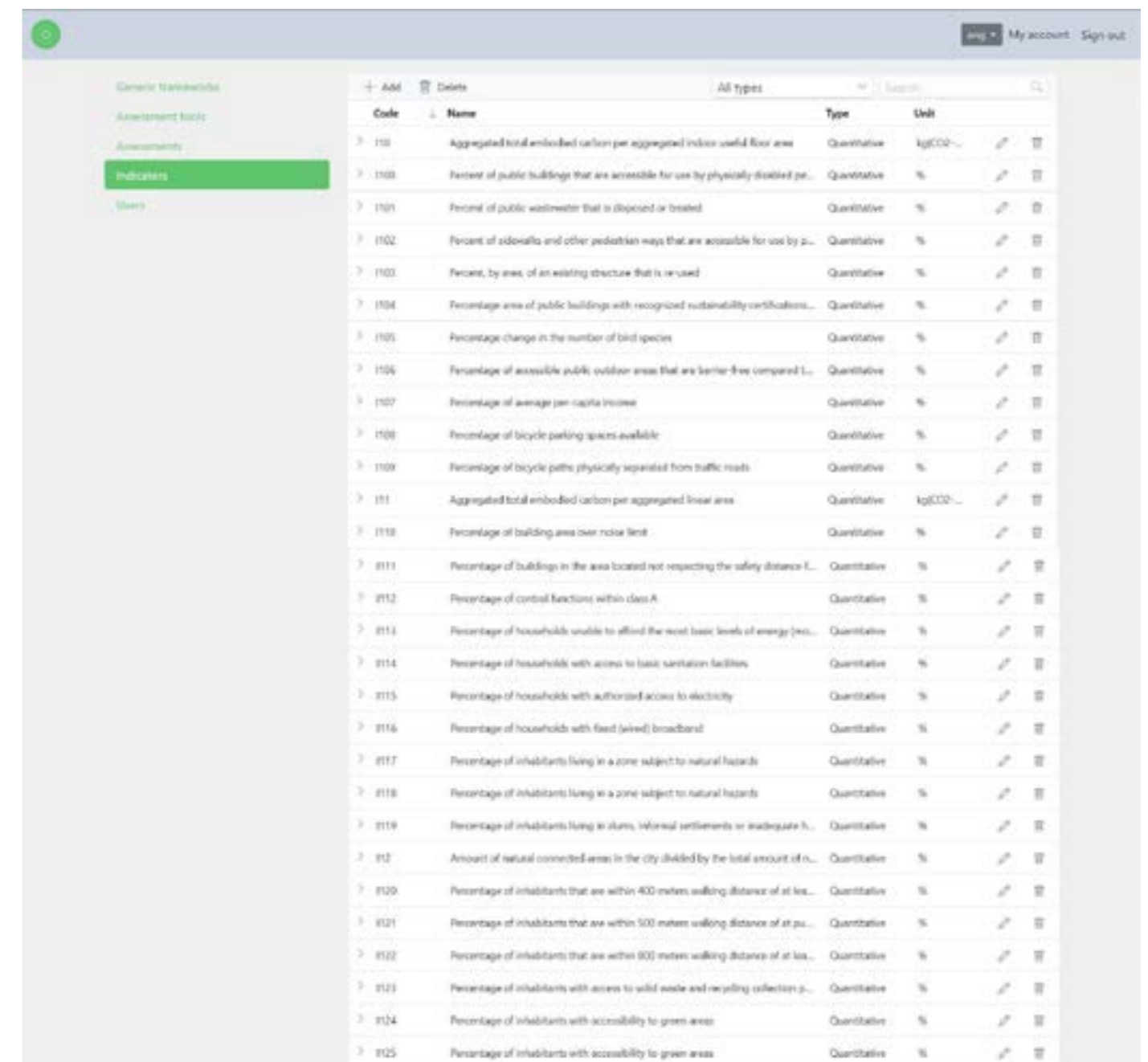
5. Indicators

The complete list of the indicators which make up the Sustainable MED Cities SBTool, SNTool and SCTool is presented in the following table:

You will see:

1. Code
2. Name
3. Type
4. Unit

Only the administrator and the owner have the possibility to edit the indicators.

6. Contact us

	Government of Catalonia (Spain) sustmedcities.tes@gencat.cat	https://territori.gencat.cat/es/inici/
	iiSBE ITALIA R&D (Italy) info@iisbeitalia.org	http://iisbe-rd.it
	Municipality of Sousse (Tunisia) mehdouik@gmail.com Municipality of Moukhtara	http://www.commune-sousse.gov.tn
	(Lebanon) ashiro@terra.net.lb	https://moukhtara.gov.lb/
	Greater Irbid Municipality(Jordan) rjammal@ymail.com	www.irbid.gov.jo
	National Observatory of Athens (Greece) costas@noa.gr	www.noa.gr
	United Nations Environment Programme - Mediterranean Action Plan	https://www.unep.org/unep-map/
	MedCities Association	https://medcities.org

ENI CBCMED
Cooperating across borders
in the Mediterranean

Project funded by the
EUROPEAN UNION

REGIONE AUTÒNOMA DE SARDIGNA
REGIONE AUTONOMA DELLA SARDEGNA

Sustainable MED Cities