

Quick Guide: This SMR simulation tool is based on the general case of the city of *Resilienopolis*. Nonetheless, the initialisation page provides the functionalities that enable you to tailor the tool to the case of your city if needed, by indicating your city's initial situation before starting the simulation.

STEP A: INITIALISATION PAGE

The main interface is titled "SMR - Smart Mature Resilience - Resilienopolis" and "Resilience Maturity Model". It contains introductory text about the model's purpose and dimensions. At the bottom, there is a navigation bar with buttons: STAGE, DEFAULT BUDGET, MODEL SETTINGS, LOAD SETTINGS, SAVE SETTINGS, and START.

1 "STAGE" button to set your city's stage in SMART model, or you can set individual policies initial implementation level via corresponding sliders.

2 "DEFAULT BUDGET" button to change initial annual budget.

3 "MODEL SETTINGS" button, to change the city name and currency, time, and cost needed to implement certain policy.

4 "LOAD SETTINGS" button, to load save setting file.

5 "SAVE SETTINGS" button to save all initial settings in a file for later usage.

6 "START" button, to start your simulations.

City SMART Stage

Select your city's current SMART stage:

STARTING MODERATE ADVANCED ROBUST VERTEBRAE

Customise the Policy Implementation Level of individual policies to suit your city's current state:

Policy	Implementation Level
Incorporate resilience into visions, policies and strategies for city development plans	0%
Align, integrate and connect the resilience action plan with regional plans	0%
Align, integrate and connect the resilience action plan with national plans	0%
Conduct certification processes to achieve the conformity with existing standards	0%
Formalize the learning process and institutionalize regular debriefing meetings	0%
Develop leading indicators for assessing the performance of the resilience action plan	0%
Align, integrate and connect the city resilience plan with regional, national and international resilience management guidelines	0%

Model Settings

Enter your city name: Resilienopolis

Select your currency: ☒ Euros ☐ Norwegian kroner ☐ Pounds sterling

Indicate the following values to be changed in the model (all money values cannot be less than 1, and all time values cannot be less than 0.1):

Policy	Value	Unit
Policy full implementation required time in years:	4.7	4.70
Policy full depletion required time in years:	3.8	3.80
Policy total implementation cost in Euros:	506779	€ 507k
Policy full implementation required	2.6	2.60

STEP B: SIMULATION PAGE

Enter value for the devoted budget (for the current simulation year) for implementing the individual policies.

1

City Annual Budget

Indicate your budget for the next year (in Euros):

2000000 € 2.00M

Close

SMR - Smart Mature Resilience - Resilienopolis

Please indicate the amount you are planning to spend to implement the following policies for this year:

Category	Policy	Status	Cost (€)
Leadership and Governance	STARTING	Incorporate resilience into visions, policies and strategies for city development plans	133500 € 134k
	MODERATE	Align, integrate and connect the resilience action plan with regional plans	88300 € 88.3k
	ADVANCED	Align, integrate and connect the resilience action plan with national plans	0 € 0.00
	ADVANCED	Conduct certification processes to achieve the conformity with existing standards	0 € 0.00
	ADVANCED	Formalize the learning process and institutionalize regular debriefing meetings	0 € 0.00
	ADVANCED	Develop leading indicators for assessing the performance of the resilience action plan	0 € 0.00
	ROBUST	Align, integrate and connect the city resilience plan with regional, national and international resilience management guidelines	0 € 0.00
	VERTEBRATE	Contribute in the development of standards on resilience guidelines and policies	0 € 0.00
Preparedness	STARTING	Assess and manage a full range of risks	0 € 0.00
	MODERATE	Take account of interdependencies when assessing and managing risk	0 € 0.00
	ROBUST	Conduct frequent joint training exercises between European cities	0 € 0.00

Current year: 9 Annual budget: € 2.00M Unbudgeted: € 1.78M

ANNUAL BUDGET € ADVANCE 1 YEAR NEW SCENARIO SIMULATION RESULTS

Click "Help" to access this Quick Guide. The button is available in all pages.

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SMR - Smart Mature Resilience - Resilienopolis

Please indicate the amount you are planning to spend to implement the following policies for this year:

Category	Policy	Status	Cost (€)
Leadership and Governance	STARTING	Incorporate resilience into visions, policies and strategies for city development plans	133500 € 134k
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	ADVANCED	Develop leading indicators for assessing the performance of the resilience action plan	0 € 0.00
	ROBUST	Align, integrate and connect the city resilience plan with regional, national and international resilience management guidelines	0 € 0.00
	VERTEBRATE	Contribute in the development of standards on resilience guidelines and policies	0 € 0.00
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Current year: 2 Annual budget: € 2.00M Unbudgeted: € 1.78M

ANNUAL BUDGET € ADVANCE 1 YEAR NEW SCENARIO SIMULATION RESULTS

Follow the simulation time through "Current Year".

2

Follow the available budget through "Annual budget".

3

Follow the budget remaining through "Unbudgeted".

4

Press "ADVANCE 1 YEAR" to progress simulation.

5

"SIMULATION RESULTS" takes you to the simulation results page.

7

"NEW SCENARIO" will stop the current simulation scenario, and start a new one.

6

STEP C: RESULTS PAGE

You can see the individual policies' current actual and effective implementation levels.

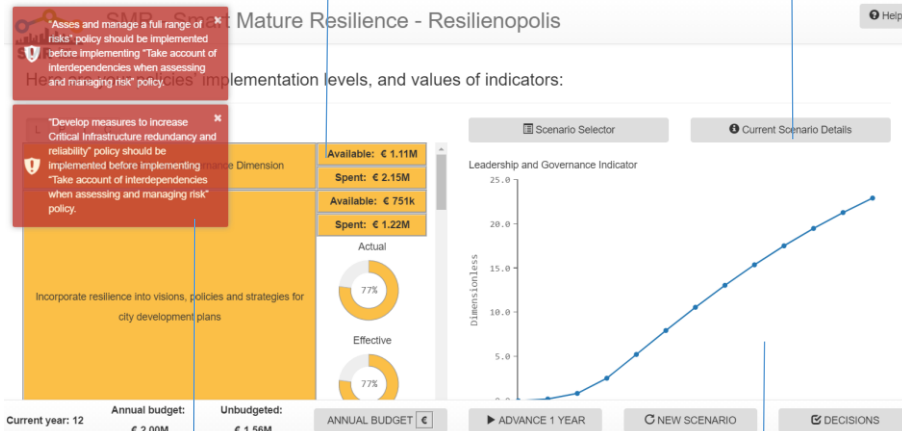
1

You can see the time-behaviour graphs of SMR dimensions' indicators.

2

"Scenario Selector" to select which scenarios to show, name them, and select their colours, via "Scenario Selector" dialogue-box.

5



Every 4 years, these messages appear, indicating any problems in the sequence of your decisions.

4

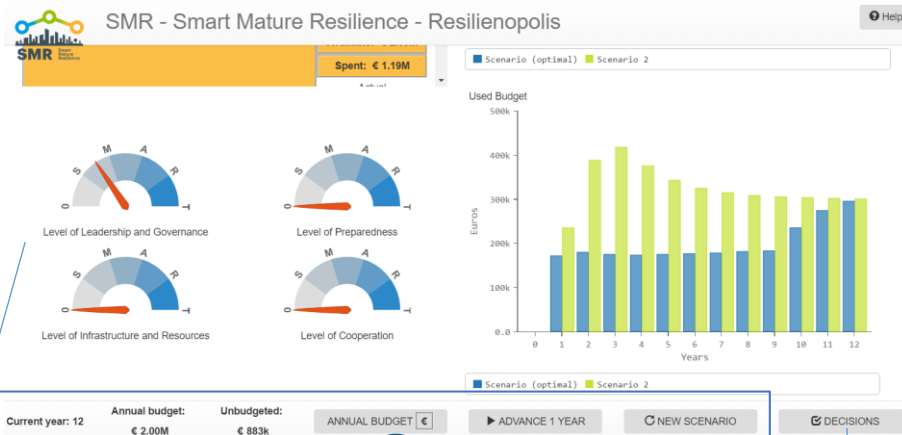
You will be able to see maximum of three different scenarios.

3



The graph only shows the scenarios with their respective selected checkbox. Overwrite the scenario name to change it. To change its colour press on the small coloured box and pick a new colour.

6



The power gauge meters show your SMART stage per individual dimension at the current simulation time.

7

The same buttons in Step B.

8

"DECISIONS" button takes you back the simulation decisions page.

9

Current scenario and decisions history information, generated by clicking "Current Scenario Details" button in the right of the "Scenario Selector".

10

Used Budget time-behaviour graph find out how much you have spent each year.

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