



NZC SOLUTION OUTLINER

Identify and prioritize decarbonization solutions for your city

User guidance

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14 x 78

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42 x 78

WHY?

- TO HELP CITIES CONFRONT THE OVERWHELMING AMOUNT OF INFORMATION TO IMPLEMENT THE MOST APPROPRIATE ACTIONS FOR THEIR ACTION PLAN
- TO FACILITATE THE WORK OF MUNICIPAL TEAMS IN DEFINING THE PLAN AND THUS FOCUS ONLY ON THOSE MEASURES AND SOLUTIONS THAT BEST ADAPT TO THE NEEDS OF EACH CITY

- THROUGH A WEB TOOL THAT CONNECTS THE CITY'S AMBITION WITH CONTEXTUAL INFORMATION (BARRIERS, FACILITATORS, CO-BENEFITS) P
- PROVIDING CITIES WITH A PRELIMINARY AND FILTERED LIST OF KR SOLUTIONS WITH WHICH TO START WORKING IN A WAY MORE MANAGEABLE.

WHAT?

LEVERS FOR THE TOOL:

- ❖ SEARCH OF PRACTICALITY AND SIMPLICITY
- **ALIGNMENT WITH TRANSITION MAP PROCESS**

CONNECTIVITY:

- ❖ WITH OTHER TOOLS DEVELOPED WITHIN THE MISSION PLATFORM (KR, SOLUTION BUNDLES, ETC...)
- **OTHER WPS: SOLUTIONS DEVELOPED IN OTHER WPS COULD ALSO BE INCLUDED IN A SECOND PHASE.**

ADDED VALUE OF THE SOLUTION OUTLINER

- ❖ GIVES CITIES THE INGREDIENTS TO DEFINE THEIR PORTFOLIO OF ACTIONS BASED ON EACH CONTEXT.
- * AND SEEK INTEGRATION, SYNERGY, AND COORDINATION BETWEEN THEM.
- SIMULATE DIFFERENT SCENARIOS AND PLAY WITH HYPOTHETICAL SITUATIONS, EXPANDING THE SCOPE OF THE ANALYSIS



The NZC SOLUTIONS OUTLINER is a tool developed to support the Mission Cities in getting the most ALIGNED SET OF SOLUTIONS that could contribute to their transition towards neutrality. The service uses contextual parameters such as ambition, barriers, enablers, and co-benefits to automatically present a LIST OF PRIORITIZED SOLUTIONS, from which the user can get more information.



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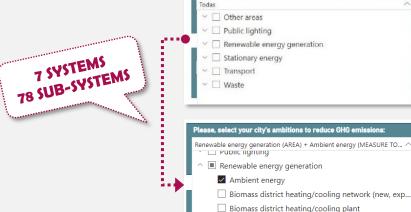
☐ Biomass power plant

☐ Digitalisation and smart city solutions

CHOOSE THE AMBITION TO REDUCE GHGS

Once the GHG gap is analysed cities can select systems to act in identifying their **NZC PATHWAYS**. Under the systems level, sub-systems identify wider technological interlinkages and dependencies.





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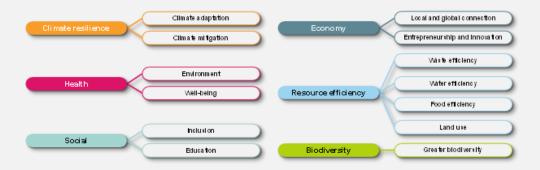


2 CHOOSE THE CONTEXT CONDITIONS

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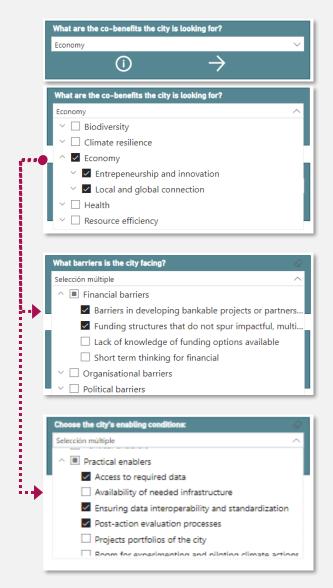
CO-BENEFITS

In the context of the NZC Theory of Change (TOC), co-benefits are the additional impacts or positive effects of the direct impacts.



B BARRIERS C ENABLERS

Different types of external influences affect change which can be either **ENABLERS OR BARRIERS** along the pathway to impact and include. If positive, the factors may be identified as enablers to success; and if potential negative factors are identified these can be interpreted as risks or barriers to the success of the initiative.





3 LOOK AT THE PRIORITISED SOLUTIONS!

SOLUTION	CATEGORY	SUBCATEGORY	BUNDLE	Link F	riority
Photovoltaics	Stationary energy	RES and energy-harvesting solutions	Low carbon electrificati on	Ø	
Capacity building and engagement with municipalities to identify and co-create circular solutions and roadmaps	Enabling instruments	Educational, Capacity Building instruments	-	ල	
Data strategy	Enabling instruments	Policy instruments	-	@	
United for Smart Sustainable Cities (U4SSC) Publications	Digital Solutions	Digital Public Goods	-	@	
Integrated climate plans for cities (i.e.: SECAPs)	Enabling instruments	Planning instruments		@	
Decarbonisation Plans for Industry	Enabling instruments	Planning instruments	-	@	
Integrated Energy and GHGs scenario mapping tools	Enabling instruments	Technical instruments	-	6	
Parking policies, management and fees, smart parking	Mobility and transport	Service solutions		ම	
NBS and Green Infrastructure regulation and ordinances	Enabling instruments	Regulatory instruments	-	@	
Platform Architecture	Digital Solutions	Urban Digital Platforms	-	ල	
Road/ Congestion pricing in	Enabling instruments	Financial instruments		@	

CATALOGUE OF SOLUTIONS. Around 189 factsheets of different solutions are included in the Knowledge Repository.

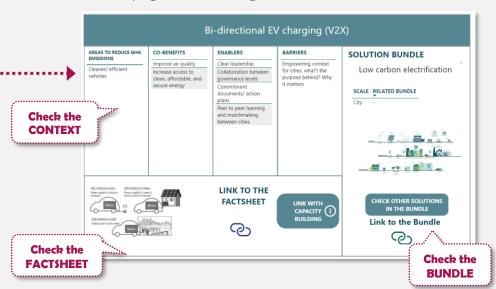
TECHNICAL SOLUTIONS generate emissions reductions without any significant behavioural changes needed.

Once specific technical systems or equipment are in place, **BEHAVIOURAL- AND OPTIMISATION-BASED SOLUTIONS** require changes in human behaviour to reap their benefits.

PRIORITSED SOLUTIONS are those technical solutions that best respond to the preselected ambition and context. For each solution, you will find on the same page the following information:

For each solution, there is a canvas sheet that summaries:

- Ambition/Context connection of each solution
- Factsheet link from the NZC Knowledge Repository
- Connection with the Solution Bundle tool
- Connection with other services (on development)





B LOOK AT THE PRIORITISED SOLUTIONS!



The top 20 solutions can be reduced by selecting other areas of action to identify **POSSIBLE SYNERGIES.**

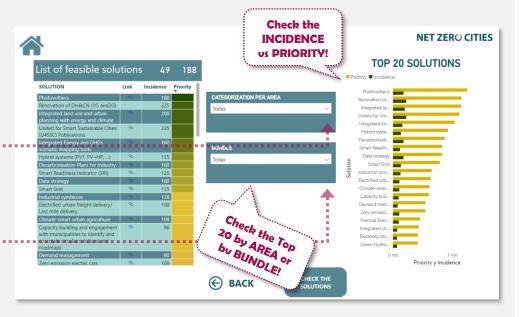
These solutions can also be screened according to how they are **RELATED TO THE BUNDLES.**

Each solution is related to a specific NZC topic area. For each of the domain areas, individual solutions are relevant to all cities.

On this screen, the tool shows the **20 SOLUTIONS** with the highest prioritization range.

PRIORITIZATION: refers to the degree to which each solution responds to the selected contextual criteria.

INCIDENCE: refers to the number of times that each solution connects with the different combinations of contextual criteria









NOW YOU CAN NAVEGATE!!

SEE NZC SOL LINK

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NET ZERO CITIES