



**Urban
QUEST**
A Decision-Making
Challenge

What are Serious Games?

A Serious Game is a game designed to achieve a primary objective rather than just entertainment. Serious Games are tools for teaching, learning, and education. They help players learn experientially through play in order to put concepts into use. Serious games provide learners with the opportunities to transform experience into knowledge.

Why include Serious Games in Decision–Making?

Decision-making processes imply discussion and co-creation among multi-disciplinary subjects. Through Serious Boardgames, decision-makers can obtain a more interconnected perspective of what a retrofit scenario should include. Enhancing structured discussion, brainstorming and ideation, Serious Boardgames help to draw out ideas, risks, approaches, and clarity that can lead to better scenario designs and better outcomes during implementation while engaging in a fun gameplay.



What is Urban Quest?

Urban Quest is a Serious Boardgame with the objective of instructing participants in the Decision-Making Methodology, phase by phase. Through enhanced role-play discussion and co-creation, participants identify issues, targets to achieve, retrofit scenarios to improve the presented urban area at the neighbourhood scale.

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The 7 key phases of Decision-Making

Aim: To illustrate all seven phases of the decision-making methodology through an interactive role-play board game.

Game Timeline

Phase	0	1 Initiation	2 Preparation	3 Diagnosis	4 Strategic Definition	5 Retrofit Scenarios	6 Decision-Making	7 Retrofit Concept
	To present the instructions of the game and the urban area.	To assign each group member a stakeholder role.	To prioritize the issues and categories to assess based on the understanding of the area.	To establish the strengths and weaknesses of the urban area.	To set the sustainability targets to be achieved for each category.	To select alternative scenarios per issue that fulfill the defined targets.	To select the best solutions in terms of energy and cost efficiency as well as the budget assigned.	To detail the best scenario through a report containing the description of the chosen solutions.
Aim								
Time	10 minutes	10 minutes	15 minutes	15 minutes	15 minutes	20 minutes	10 minutes	5-10 minutes x group
Game Instruction		Each group member randomly picks a card from the Stakeholder Cards Stack on the board. Note: each card will describe the role and interest for each group member to assume during the discussions.	Based on the contextualization of the urban area choose five out of ten issues. Then from the five chosen issues pick one category per issue considering the ones that relate better to the strengths and weaknesses of the area.	A diagnosis card will be given to the participants. The cards contain a diagnosis score for each category based on their performance on the urban area. This score will help participants to prioritize their decisions later on.	Organize on the board the selected Category cards depending on the target score desired to achieve and the diagnosis score given (On a scale from 0 to 5 zero being the minimum acceptable performance and five the highest performance).	Select 2 out of 3 solutions per category from the Retrofitting Scenario Cards based on the impact, cost and time of each solution that responds better to the defined targets.	From the previous selected solutions choose one final solution per each issue that represents the best option to reach the defined sustainability targets and also fit accordingly to the budget specified.	Each group presents their final results.

iLETS PLAY!



Sustainable MED Cities

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Phase 0

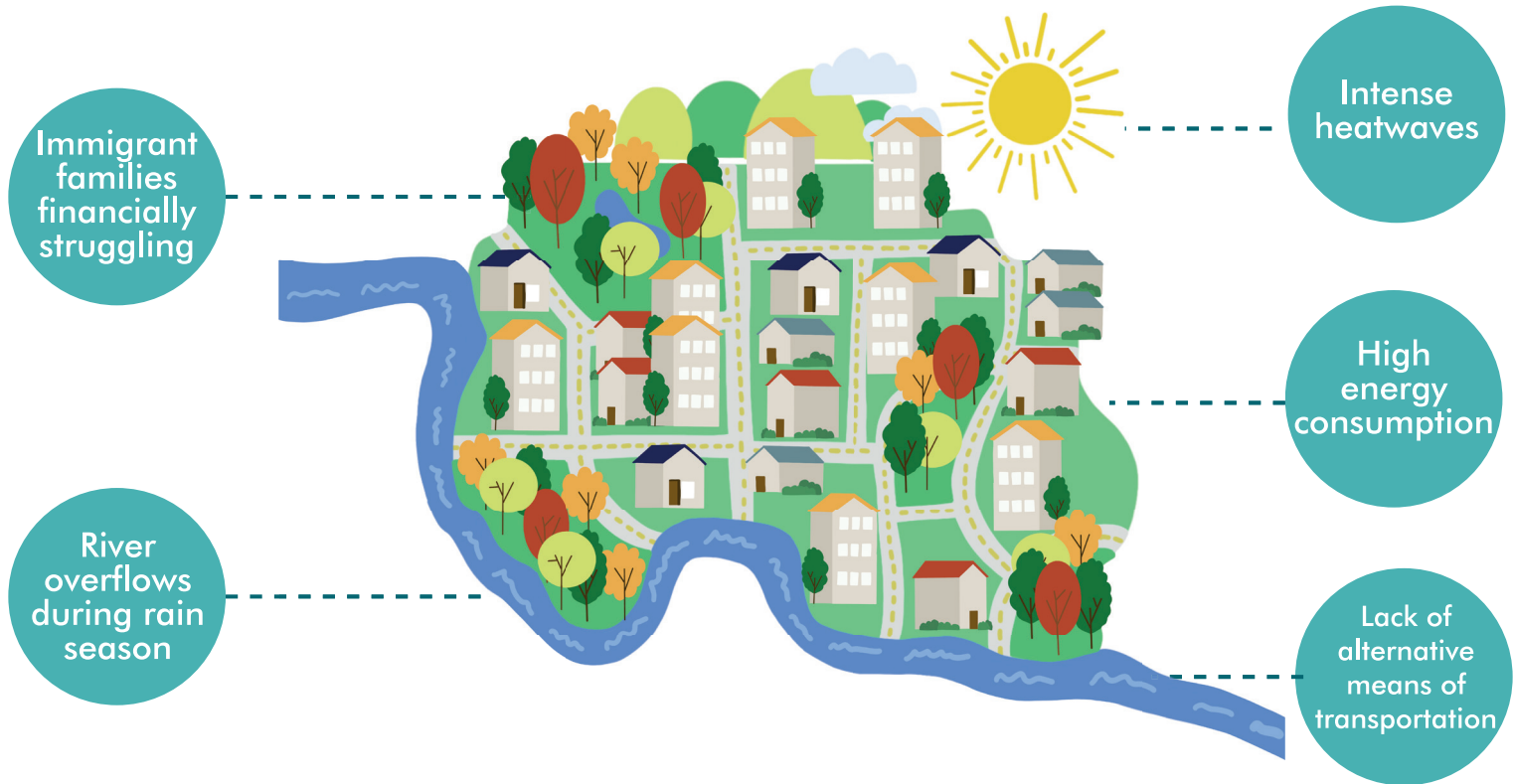
Contextualization

To present to the participants the instructions of the game as well as the description of the urban area.

Time:
10 Minutes

Context of the Urban Area

¡Welcome to DecisionHood!



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Phase 1

Initiation

Each group member randomly picks a card from the Stakeholder Cards Stack on the board.

Note: each card will describe the role and interest for each group member to assume during the discussions.

Time:
10 Minutes

Stakeholder Cards



Stakeholder group name

Stakeholder name

General description

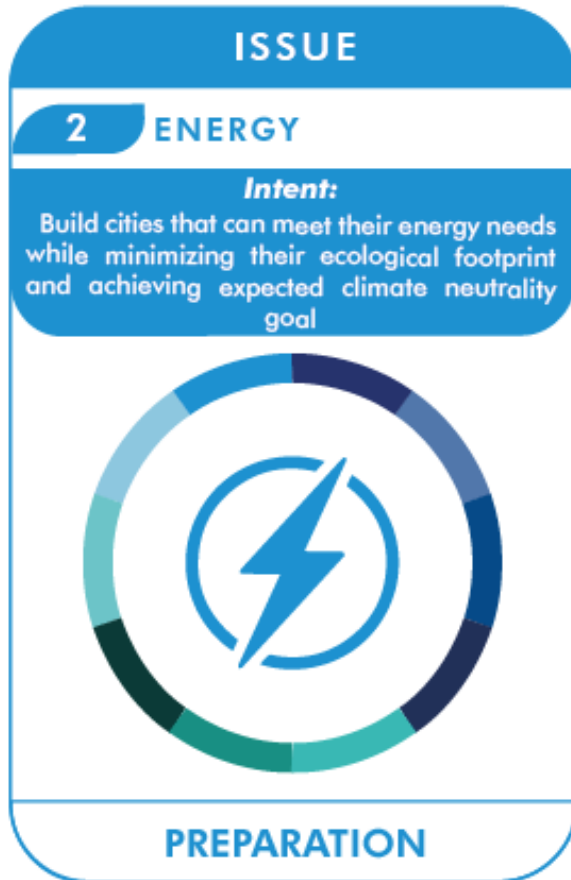
Phase 2

Preparation

Based on the contextualization of the urban area choose five out of ten issues. Then from the five chosen issues pick one category per issue considering the ones that relate better to the strengths and weaknesses of the area.

Time:
15 Minutes

Issues Cards

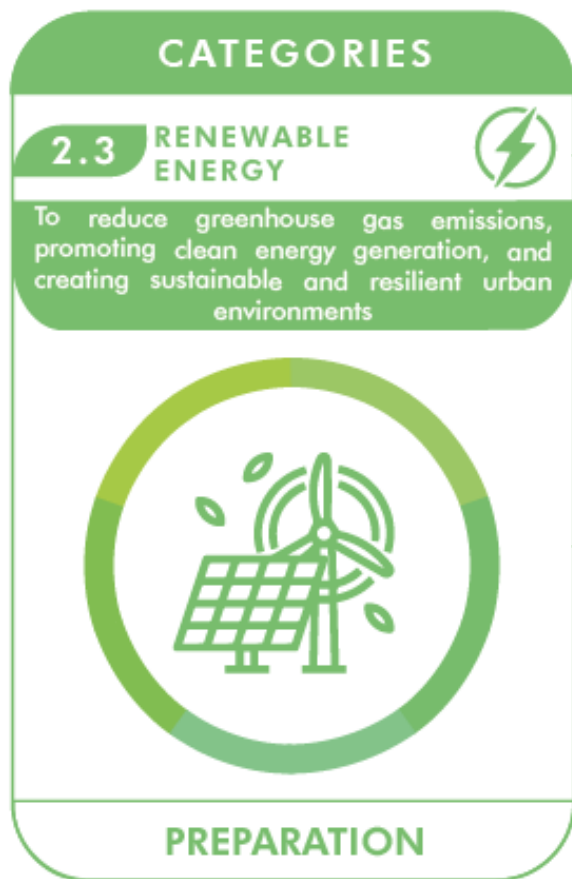


Issue name

The issues are a description of general themes, recognized as relevant for assessing the sustainability of a neighbourhood.

Logo issue

Categories Cards



Category name

Intent

concern particular aspects of issues. There are 29 categories

Phase 3

Diagnosis

A diagnosis card will be given to the participants. The cards contain a diagnosis score for each category based on their performance on the urban area. This score will help participants to prioritize their decisions later on.

Time:
15 Minutes

Diagnosis Cards



Category name.

Diagnosis score assigned to the specific category
(From -1 being the lowest performance to 5 being the highest performance)

Score scale for an easier visualization of the performance of the category in the urban area.

Phase 4

Strategic Definition

Organize on the board the selected Category cards depending on the target score desired to achieve and the diagnosis score given (On a scale from 1 to 5 zero being the minimum acceptable performance and five the highest performance).

**Time:
15 Minutes**

Board



Look in the board for the Strategic Definition section. There are Five blank spaces, each one with a different sustainability target score. Place in every blank space one category card depending on the prioritization of issues you discussed with the other participants and assign each card a target score to be achieved. (From 1 being the minimum achievable performance to 5 being the highest achievable performance).

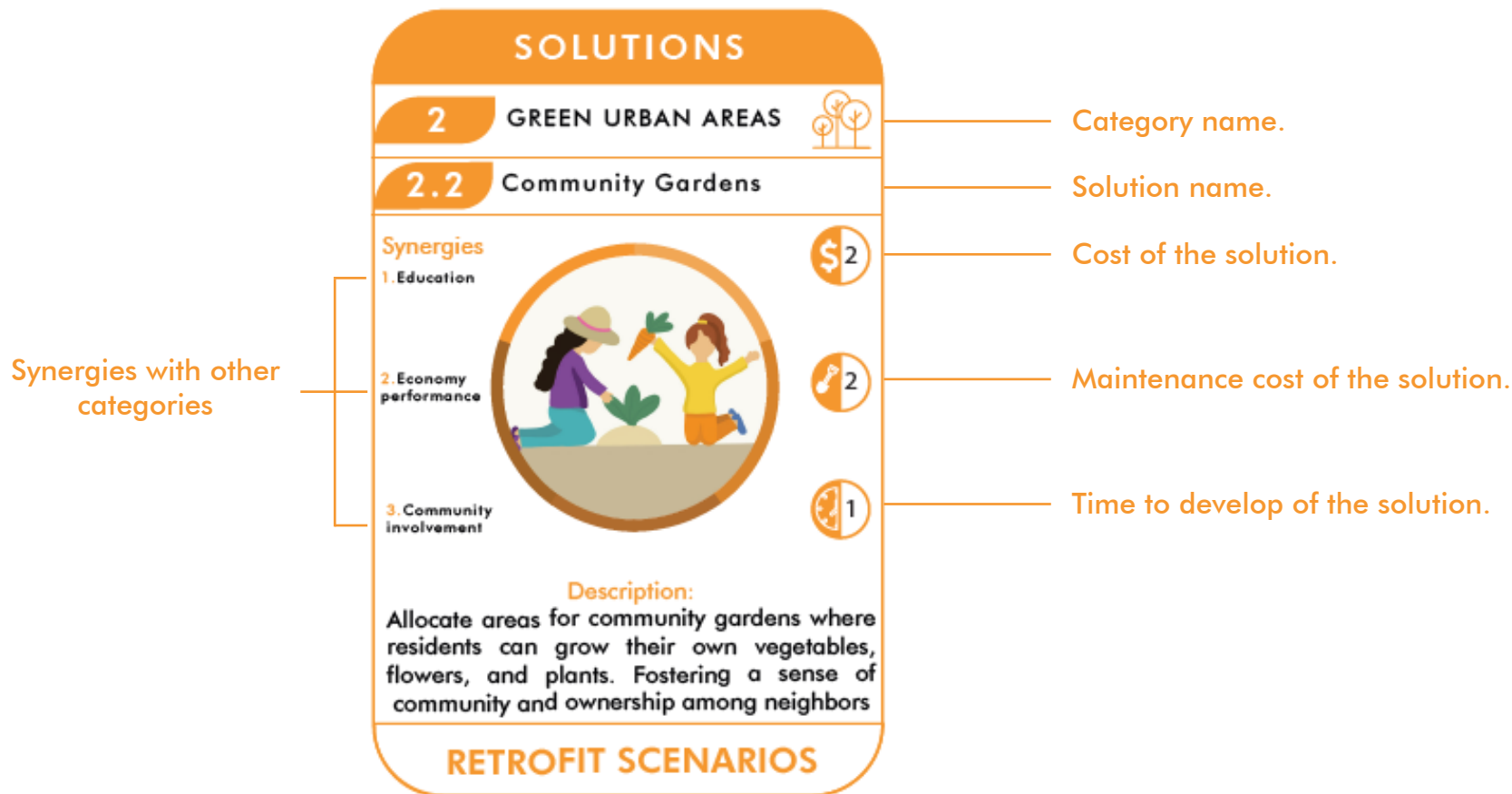
Phase 5

Retrofitting Scenarios

Select 2 out of 3 solutions per category from the Retrofitting Scenario Cards based on the impact, cost and time of each solution that responds better to the defined sustainability targets.

**Time:
20 Minutes**

Solution Cards



Phase 6

Decision – Making

From the previous selected solutions choose one final solution per each issue that represents the best option to reach the defined sustainability targets and also fit accordingly to the budget specified.

Cost budget: \$12

**Time:
10 Minutes**

Board

SOLUTIONS
Select the best energy and cost efficiency solution for each category

Final Solution Category N°1

Final Solution Category N°2

Final Solution Category N°3

Final Solution Category N°4

Final Solution Category N°5

Look in the board for the Solutions section. There are Five blank spaces, each spaces is designated for participants to put the final selected solution per each category. This will help participants to visualize the strategies chosen that correspond to the scenario proposed by the group members for the urban area.

Phase 7

Retrofit Concept

Each group presents their final results.

Time:
**5–10 Minutes/
Group**



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