



# 5-Cities Model Tool: Urban Principles Evaluation Tool

Nick Tyler and Adriana Ortegon

The urban principles of the preferable future city vision – the 5-cities model – give a framework for assessing how different initiatives, interventions or components might contribute to creating value towards delivering the vision.

Using a Delphi technique to take into account the expertise available, including both ‘professional’ and ‘everyday’ perspectives of people who are affected by the project, (e.g. people who live in the area), the tool can be used to evaluate the perceived performance of plans or projects in a future city, where ‘performance’ is about how they contribute to the achievement of the Principles.

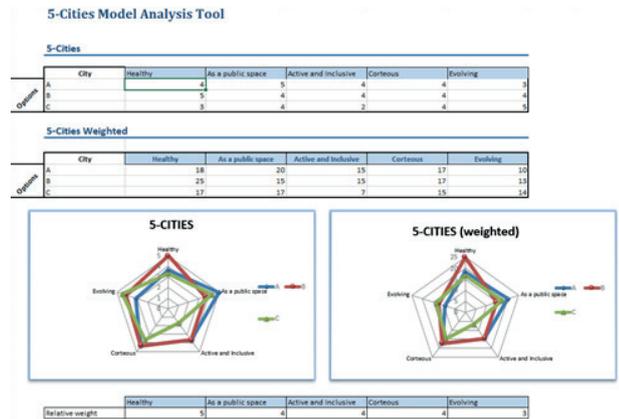
In essence the tool facilitates a Multi-Criteria Analysis MCA for which the urban principles are the criteria. Generally, MCA is all about multiple conflicting goals, where the evaluation of each is functionally independent of the others and there is no common measure which can realistically capture the value or contribution of all of the criteria. The presence of multiple criteria in the process means that there are potentially many trade-offs to be made. So the aim of this tool is, precisely, to bring these conflicts to light. The resulting dissent should inspire creativity towards innovative options which can perform well, simultaneously, in all the different urban principles so that the overall contribution to the overarching vision is maximized.

The tool is meant to be used at an early stage of projects or for future projects for which detailed evidence is not available.

## Tool Contents

The tool has 6 sheets, one sheet for each of the cities of the 5-cities model and a summary sheet where the holistic 5-cities model is estimated. For each city a performance matrix is constructed in which each row describes an option and each column presents a principle, or performance dimension. The entries of each cell of the matrix assess how well the option performs with respect to the principle, or supports the achievement of the prin-

ciple. Each sheet presents the result of the evaluation in a spider diagram for which the area represents the overall performance of each option



5-Cities Model. Holistic Analysis

## How has it been delivered?

After the original work in Peru, the evaluation of the performance of options against the five city principles was developed in the course of several workshops conducted in Latin American cities, in order to capture the essence of qualitative contributions, especially from the civil society. Thus the tool evaluates the civil society inputs in an equivalent manner to the professional inputs in order to present an inclusive appraisal of the options.

## Where has it been published?

Initial forms of this model have been published in reports such as the draft NAMA for Peru (Tyler et al. 2012). Since then, the model has been refined on the basis of workshop activities in Latin America and the current version is for beta-testing.

## Who participated?

The basic principles of using the Delphi technique for such a multi-principle evaluation were agreed by the various working groups involved in the process of the various workshops, including government ministries, city authorities and civil society.

## Levels of Usability/Testability

This is a beta testing model and comments and suggestions are welcome.