



Arup

POST EXPO 2015 SCENARIOS FOR A 4D TRANSFORMATION

Article published by
Planum. The Journal of Urbanism no. 34, vol. I/2017
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ISSN 1723-0993
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Under the number 514-2001

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This article must be quoted as:
Arup. (2017), "Post Expo 2015. Scenarios for a 4D Transformation",
Planum. The Journal of Urbanism, Magazine Section, no. 34, vol I/2017, pp. 1-10.

Post Expo 2015. Scenarios for a 4D Transformation

After Expo 2015, Milan was left with an unprecedented legacy, both in its built environment and in the wider reputation of the city. Expo occupied a 100- hectare site, which is now fully equipped to provide services to a new community of 1000 individuals. At the same time, the event significantly improved Milan's international standing, presenting the city as an open, multicultural, safe and efficient global metropolis, with standards equal to New York, London and Berlin.

Recently, the Italian government has committed to invest in the Expo site as part of a strategic initiative for the future of the national economy called the Human Technopole. The aim is to develop a world-class research centre for the sciences, one that will act as an international beacon for the brightest minds. Yet a fertile ecosystem still needs to be devised in order to make the disruptive potential of this plan successful; a context where the leading industrial and academic institutions, supported by complementary services, can provide a vibrant environment for people to live, work and play.

Current plans for the Human Technopole are limited to a small portion of the Expo site, approximately 10%. However, a series of compelling proposals for a broader development have emerged in the past few months. These would require substantial public and private investment, something that is unlikely to be unlocked in the near future, given the current economic climate. For this reason, Arup designed an alternative methodology to address the transformation of the Expo area, one that introduces time as a fourth dimension and essential factor to enable a clear policy of progressive development.

Based on our experience in extensive regeneration projects such as Kings Cross and Stratford in London, the methodology we propose introduces a dynamic transformation of the entire Expo site. Instead of being constrained within a single master-plan, the transformation evolves over time, following the blueprint of four scenarios that each unfold according to different compositions of vocations and functions.

Each of the four scenarios considers a different option for the gradual release of public and private resources. Evolving in time – the fourth dimension – these scenarios can accommodate the necessary flexibility required by economic uncertainty. The scenarios illustrate four steps for a dynamic and progressive distribution of ingredients, vocations and functions that will populate the Expo area. The different options consider fluctuations in investment, which are driven by a range of interconnected factors, including the desirability of the site, the health of the broader economy and the engagement of public and private stakeholders, both at a local and national scale.

This plan envisions a framework that can be adapted over time to changing needs by enabling the implementation of pilot projects at different stages of the site de-

velopment. Guided by this framework, the scenarios aim to reinforce the synergy between academic research and industry by radically reconsidering procedures and timeframes for its delivery.

This transformative approach is reflected in the names of the four scenarios, starting from the prevalence of nature and moving on to the creation of a community of explorers, to the embryo of an innovative district, which evolves in a future city. Together these scenarios tell the story of a cohesive project that evolves and develops its strength over time.

SCENARIOS

DESCRIPTION

Four different development scenarios have been imaged from various combinations among the following factors:

- Weak vs. Strong economic recovery
the capacity of attraction of economic investments
- Public vs. Private
prevailing type of investors and characteristic use of spaces

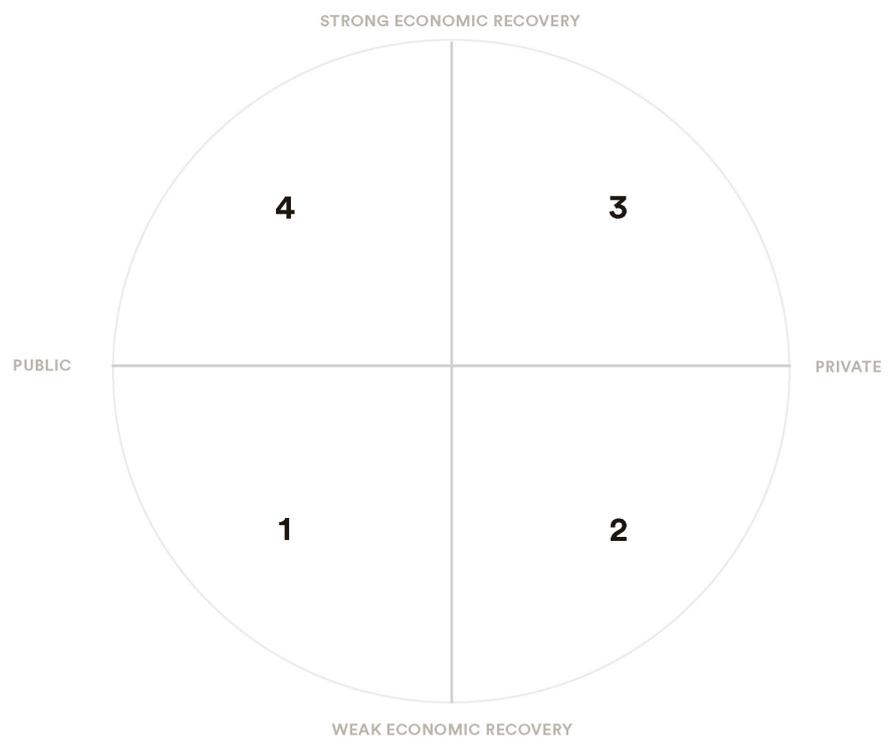


Fig. 1 | *Future City a place to be: scenarios.*

SCENARIOS = FASES

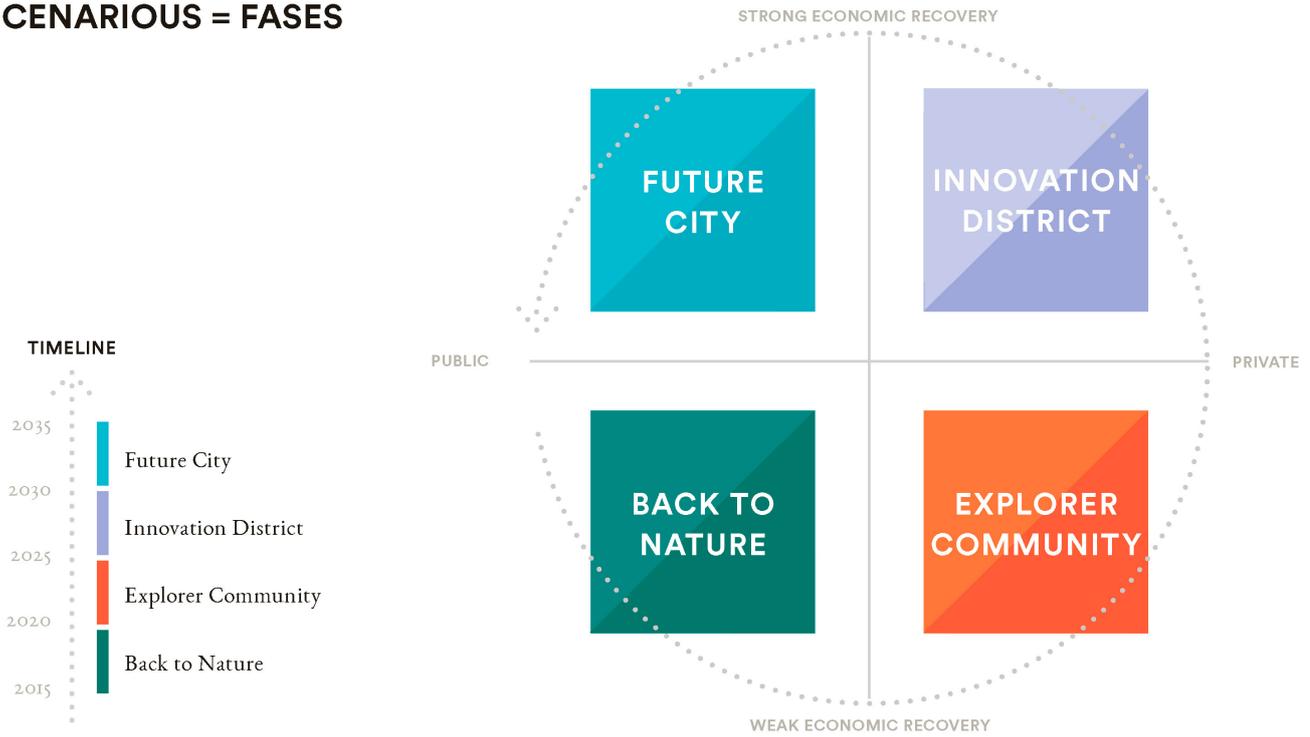


Fig. 2 | Future City a place to be: scenarios = fases.

FUTURE CITY

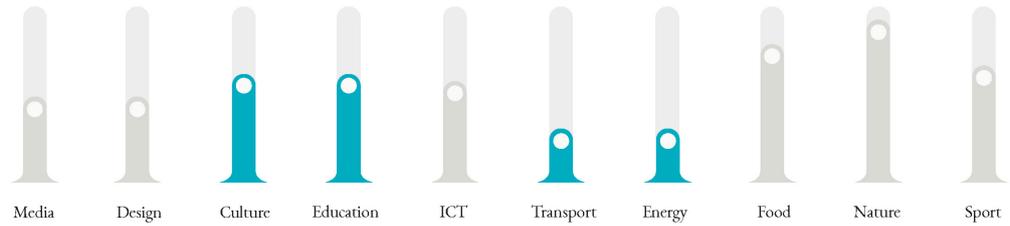
a place to be

DRIVERS OF CHANGE

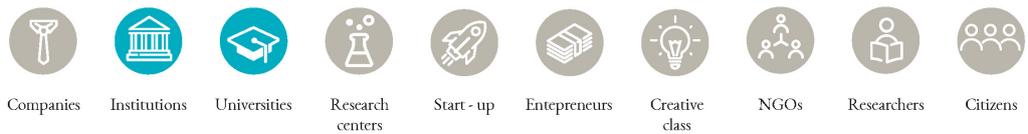
- Education
- :
- Smart transport
- :
- Identity
- :
- New infrastructures
- :
- Leadership

YEARS
2031-2035

VARIABILI



STAKEHOLDERS



FUNCTIONS

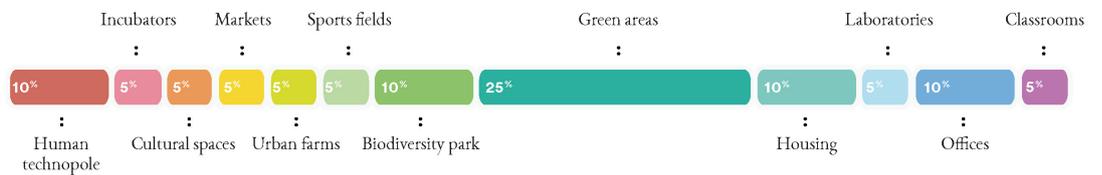


Fig. 3 | Future City a place to be: variabili, stakeholders, functions.

FUTURE CITY

a place to be

DRIVERS OF CHANGE

- Education
- :
- Smart transport
- :
- Identity
- :
- New infrastructures
- :
- Leadership

YEARS

2031-2035

CONCEPT



FUNCTIONS

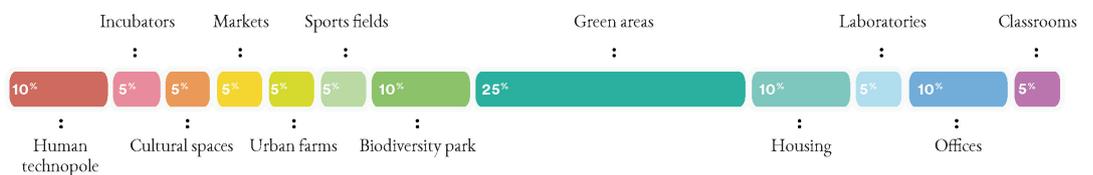


Fig. 4 | Future City a place to be: concept.

FUTURE CITY

a place to be

DRIVERS OF CHANGE

- Education
- Smart transport
- Identity
- New infrastructures
- Leadership

YEARS
2031-2035

EXPERIENCE



Fig. 5 | Future City a place to be: experience.

A graphic consisting of a teal background with a white rectangular box in the center. Inside the box, the words "FUTURE CITY" are written in a bold, white, sans-serif font. The background is split diagonally from the bottom-left to the top-right, with a slightly darker shade of teal on the right side.

FUTURE CITY

Fig. 6 | Future City a place to be.

