

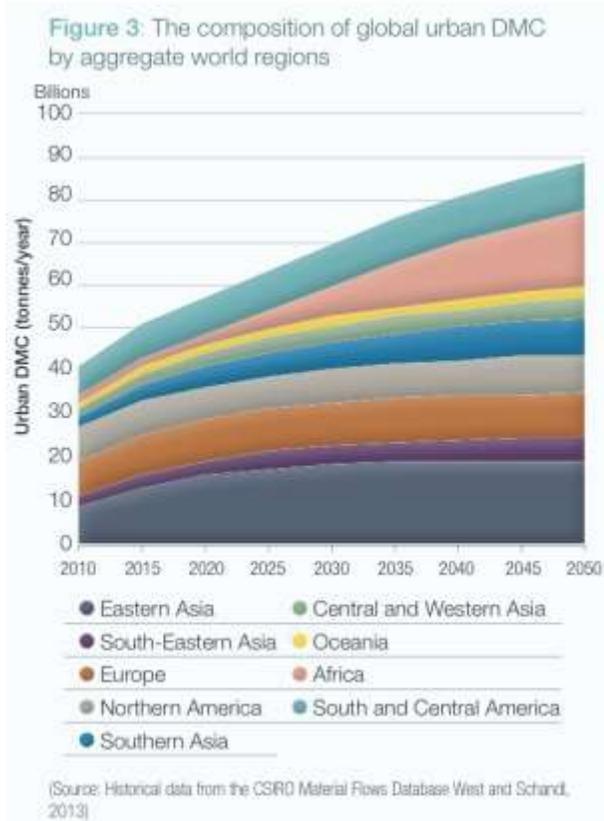


WORLD  
RESOURCES | ROSS  
INSTITUTE | CENTER

# URBAN TRANSFORMATION

“The How”: An Ongoing Discovery Project.

# The What



- higher densities and compact urban forms can reduce greenhouse gas (GHG) emissions by a factor of two or more (Salat *et al.*, 2017),
- human-scale functionally mixed neighbourhoods could reduce energy consumption by a factor of two or more,
- energy-efficient buildings could reduce energy demand by a factor of two or more,
- efficient systems could achieve a further 20 percent energy saving and
- behavioural changes could reduce energy demand by a factor of two (Salat, 2009).

Altogether, this would result in a tenfold reduction in energy use, which significantly exceeds the factor 5 target that is usually referenced (von Weizsacker *et al.*, 2009).

4. **City planning 'defaults' must be changed:** Cityscapes need to be designed for people not cars, and must allow the poor in particular to access the opportunities of the city. We recommend a radical change in default approaches to urban planning to prevent uncontrolled sprawl and 1) promote high-density, mixed-use nodes with safe and inviting streetscapes, connected by efficient and affordable mass transit systems; 2) liveable, functionally and socially mixed neighbourhoods; 3) resource-efficient smart buildings and urban energy, waste and water systems; and 4) changing values and behaviour to support this.

# A Bit About WRI Ross Center

**We work with business, government, and civil society leaders around the world to achieve more compact, connected, resource efficient, and most of all, livable, cities.**



Research & Reframing

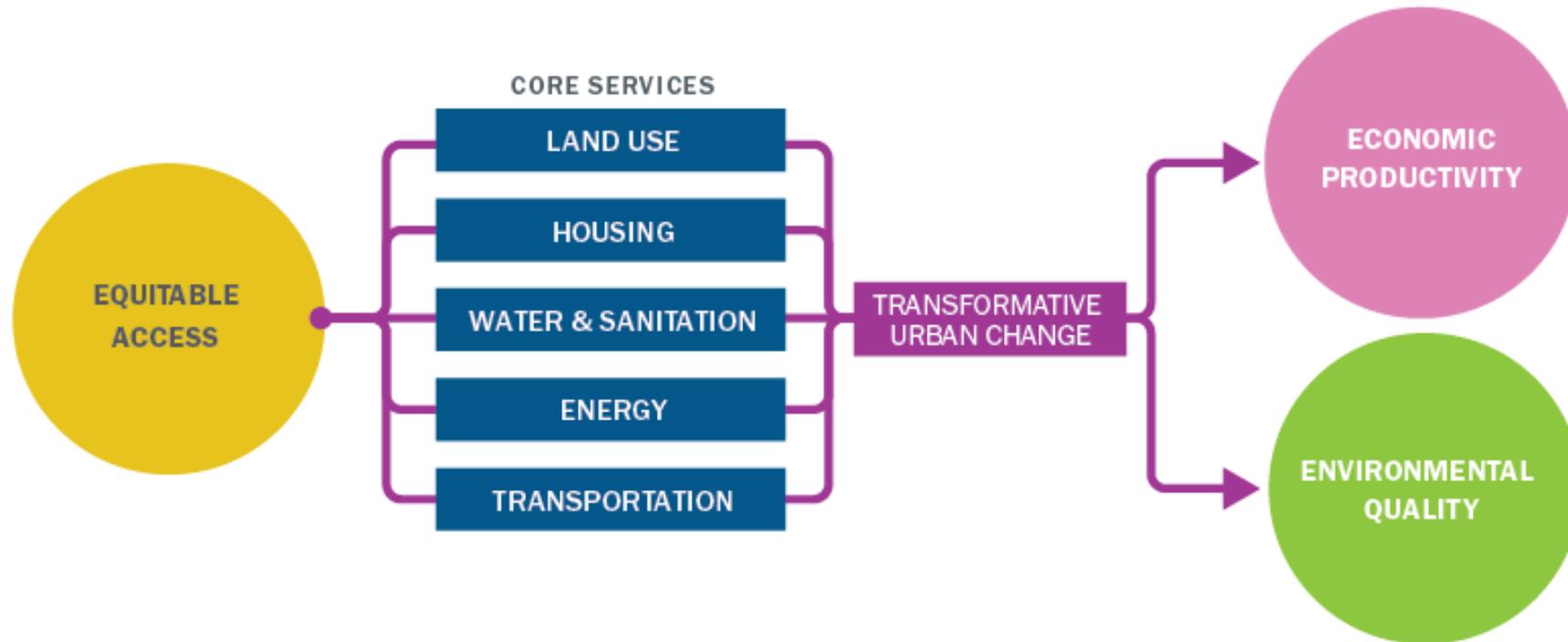
Convening, Alignment & Coalitions

Toolkits & Technical Support

Direct Action & Pilots

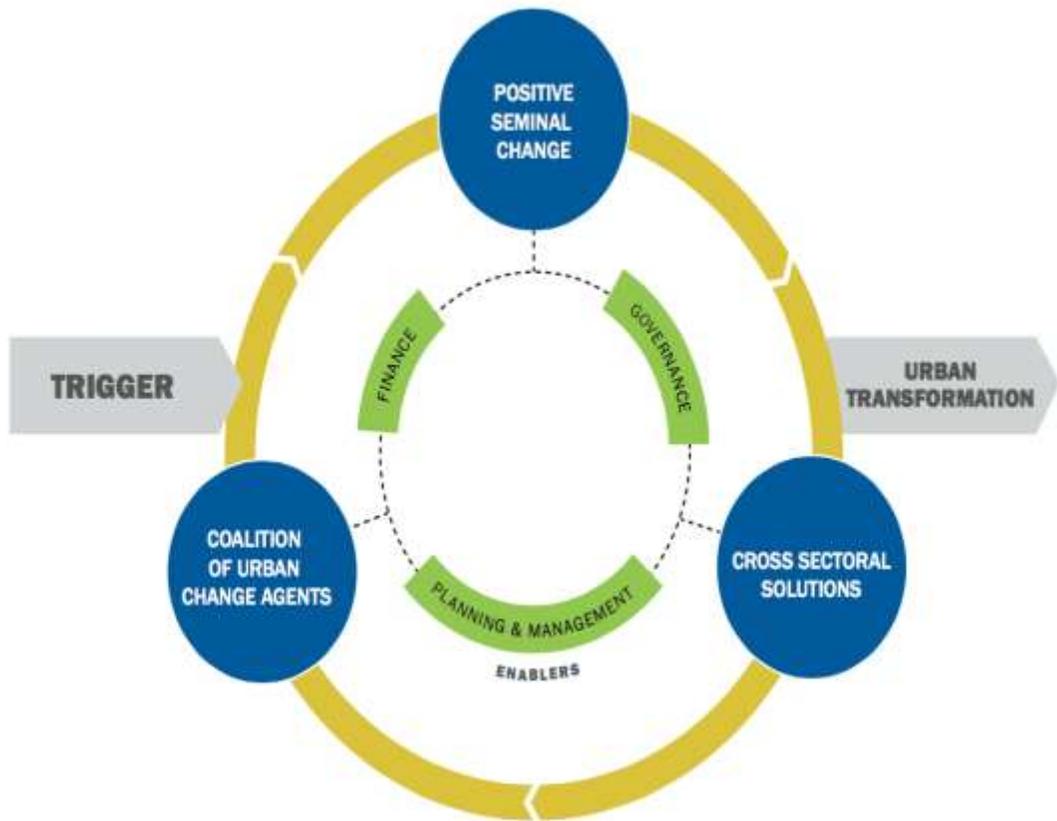
# Towards a More Equal City: Framing the Opportunities and Challenges

Victoria A. Beard,  
Anjali Mahendra  
Michael I. Westphal



CITIESFORALL.ORG

# World Resources Report – Understanding Transformative Urban Change



- Our experience suggests that when cities solve a seminal problem that touches many people’s lives, this momentum for positive change can initiate change in other areas creating a virtuous cycle.
- A seminal problem is one that is sufficiently large and complex that its negative effects are felt by large segments of the urban population.
- The World Resources Report will examine the potential of solutions to seminal problems to trigger broader cross-sectoral, institutional, citywide transformation through a series of 8 case studies

# Casting a Wider Net: The Ross Prize



TRANSFORMATION (n): "thorough or dramatic change in form, function, or appearance"

People change cities every day: they build, they move, they connect. They create the policies and codes that shape urban evolution. Often these changes are incremental; sometimes they are transformative—creating ripple effects far beyond the places, times and purposes for which they were started.

With the support of Stephen M. Ross, WRI is launching a \$250,000 prize designed to reward and celebrate projects that have changed cities for the better.



Apply now: [wrirosscenter.org/prize](http://wrirosscenter.org/prize)



# Testing & Refining Practical Hypotheses

## 1. Pilots & Placement Matter

- It's not just what the research, data, or demonstrations show, it's how they interact with the dynamics of the city and its larger set of influences.

# 1,297

low-income families  
at Junção Project



The new regulations will  
impact the construction of

**600,000**  
houses  
benefiting  
more than  
**1.8**  
million  
people

## 2014

WRI Brasil engages  
**stakeholders** at  
Junção Project

## 2015

WRI Brasil  
initiates  
collaboration at  
**federal level**

## 2016

**Civil work** starts  
at Junção Project

## 2017

**Directive no.  
269/2017** is  
launched

# Testing & Refining Practical Hypotheses

## 1. Pilots & Placement Matter

- It's not just what the research, data, or demonstrations show, it's how they interact with the dynamics of the city and its larger set of influences.

## 2. Engagement: shift in roles when moving from sectoral to integrated approaches



## Building Efficiency Accelerator

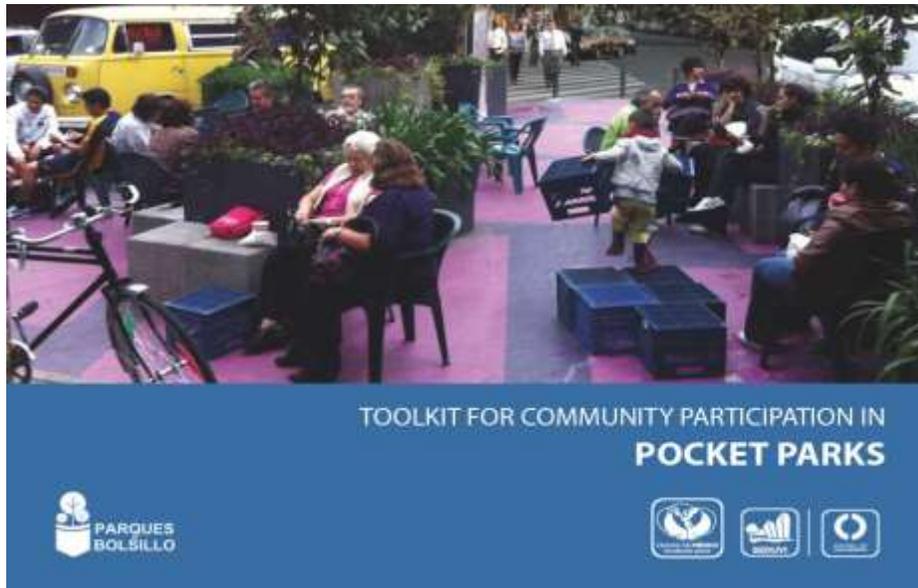


## MEET THE CHALLENGE, TRANSFORM YOUR NEIGHBORHOOD

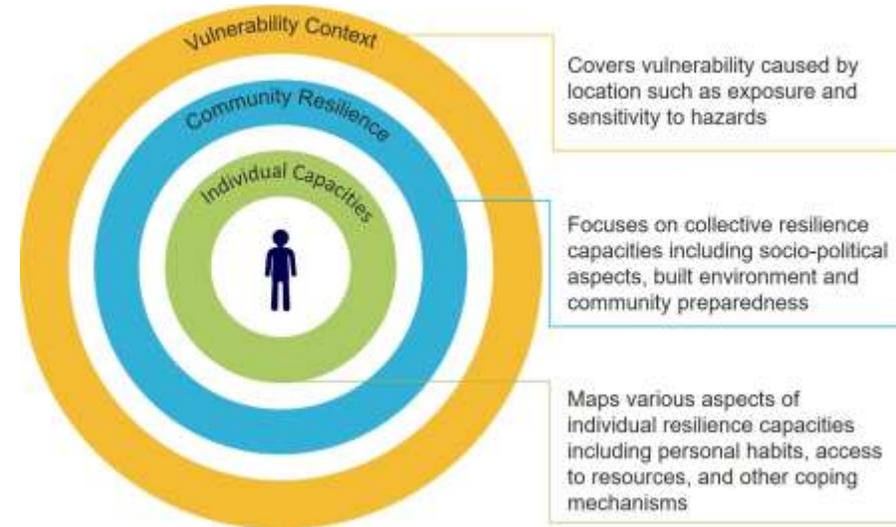


# Testing & Refining Practical Hypotheses

1. Pilots & Placement Matter
  - It's not just what the research, data, or demonstrations show, it's how they interact with the dynamics of the city and its larger set of influences.
2. Engagement: shift in roles when moving from sectoral to integrated approaches
3. **Keep people, their perspectives, and their knowledge at center stage, no matter what the project metrics are.**



## Systematizing Participation



## UCRA II: Amplifying Community Intuition & Assets

# TOD DIALOGUE FACILITATION IN BELO HORIZONTE



37

participants



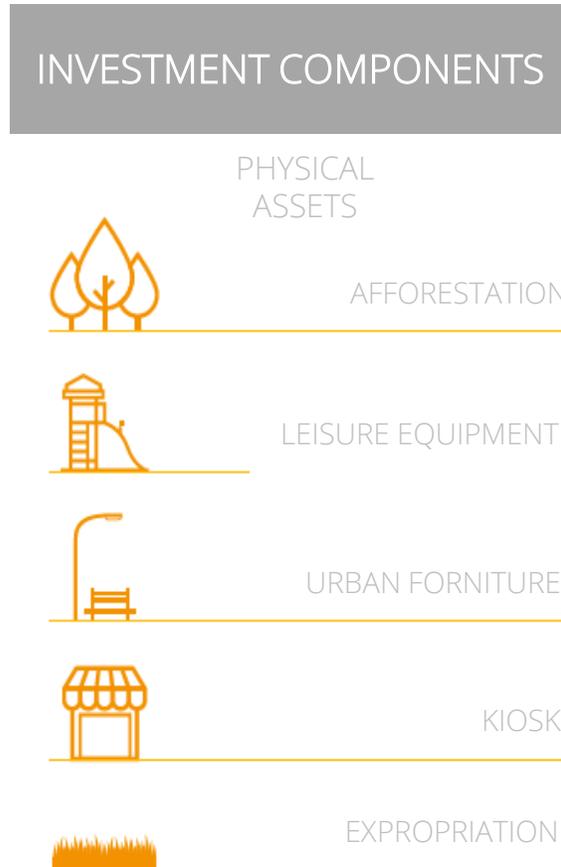
4

working  
days

# TOD => POD: DIALOGUE FACILITATION IN BELO HORIZONTE

During the training, the participants identified the **Investment Components** and the **Funding Sources**.

For each component of the project, they found the probable funding source for the respective element.



Lagoinha Park:  
one of the results of the discussion