

Resilient Cities Index

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October 7, 2015

Our Starting Point



City Resilience Index

Research Report Volume 3 Urban Measurement Report

May 2014

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THE
ROCKEFELLER
FOUNDATION

ARUP

- Define a clear **purpose** and audience;
- Establish a ‘**universe of resilience**’ but not all cities will be able or want to measure all of them;
- Aggregate up to indicator level only based on 4-5 sub-indicators, 3-4 variables, ~**150 fields** (max)
- Include different **types of variables**: leading/lagging, qualitative/quantitative.
- Use **established variables** where possible and identify an ‘owner’ of each variable
- **Local ownership** is an opportunity to build capacity and promote change.

Resilience: the capacity of cities to function so that the people living and working in cities – particularly the poor and vulnerable – can survive and thrive no matter what stresses and shocks they encounter.

City Resilience Framework. (2014).
The Rockefeller Foundation | Arup, p. 7.

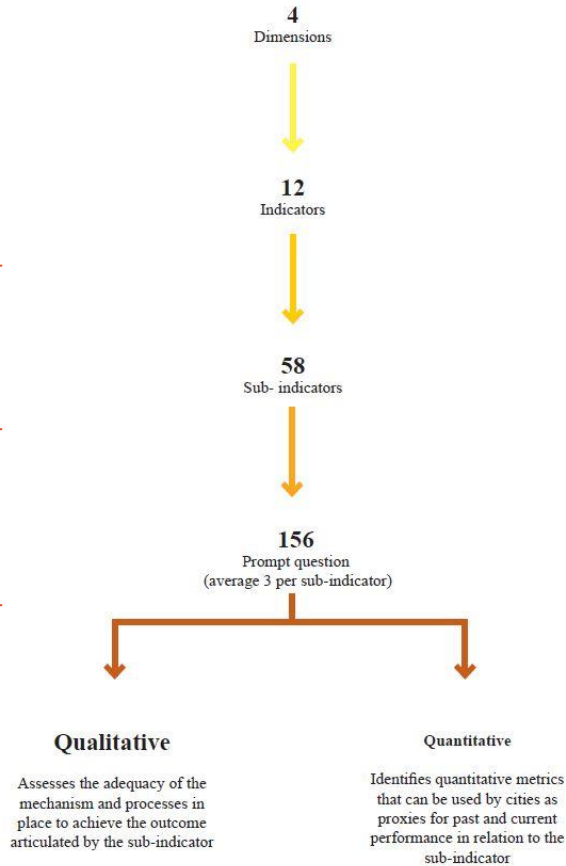
Our Approach

What matters

What to observe

What to measure

How to measure



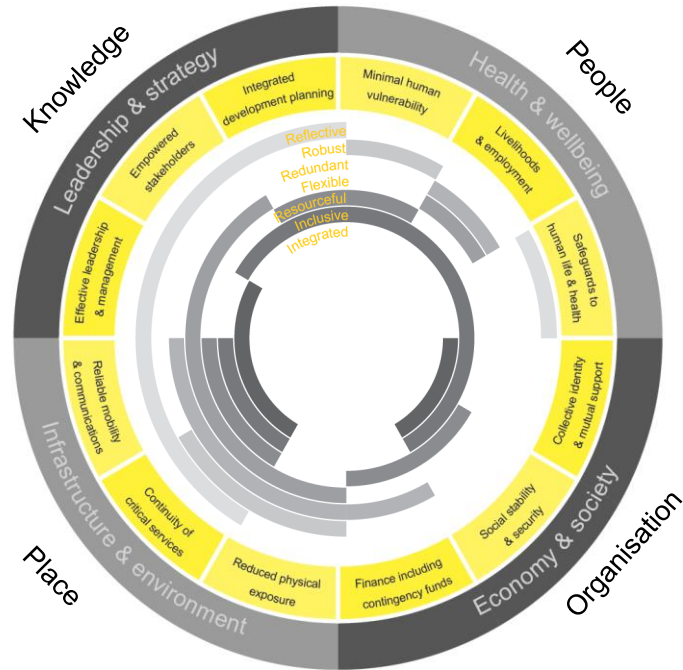
Key Issues: A global index



- Primary data (CRI-1 2013)
- Arup offices that consulted with their cities
- Ongoing pilot (CRI-2 2015)

What Matters: the City Resilience Framework

- 4 Dimensions
- 12 Indicators



Qualities of a Resilient System



Reflective

Robust

Redundant

Flexible

Resourceful

Inclusive

Integrated

What to Measure ~150 Variables

E.g.

7.3 Effectively managed protective ecosystems

Protective ecosystems have been identified and the inter-relationships with other ecosystems (within and beyond city boundaries) is understood

Policies and legislation are enforced to protect important ecosystems and natural resources

Active management and/or restoration of important ecosystems

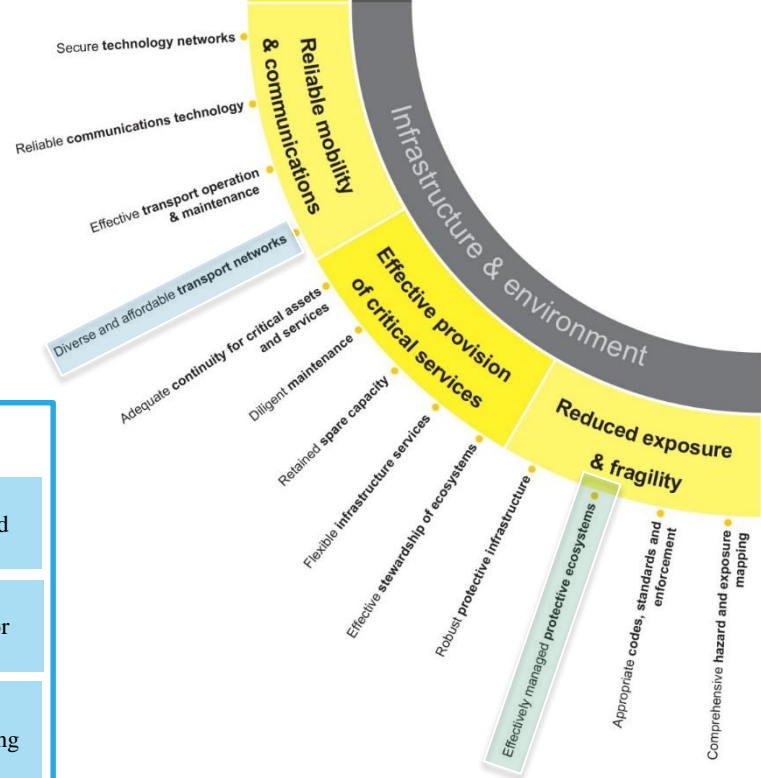
8.1 Diverse and affordable transport networks

Diverse road network with adequate route planning and navigation

Diverse public transport system that is affordable for all

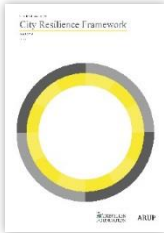
Informal/personal travel options (car sharing, walking paths, cycle routes and associated infrastructure)

Diverse and effective transport links to other cities/regions



By December 2015

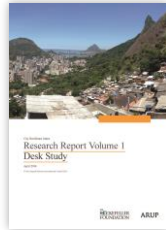
Communication



CRF 2014



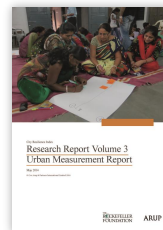
CRI intro 2015



Vol 1



Vol 2



Vol 3

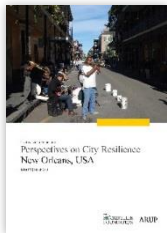


Vol 4

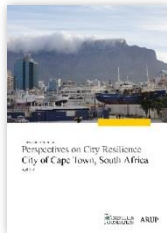


Vol 5

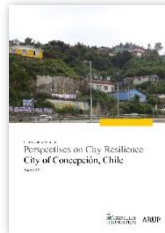
Case Studies



New Orleans



Cape Town



Concepcion



Others

Tool v1.0

