



AGENDA

100 Resilient Cities program overview

Status of *Resilient Washington DC*

1900



2007



2030



2050



1.4 million new people are moving into cities every week.

People are drawn to cities as centres of economic activity, social connection, opportunity, and innovation.

A city's ability to maintain essential functions is threatened by both **acute shocks** and **chronic stresses**.



Sudden **shocks** or accumulating **stresses** can lead to social breakdown, physical collapse, or economic decline.



What are acute shocks?

What are chronic stresses?

What are acute shocks?

Earthquake
Wildfires
Flooding
Sandstorms
Extreme cold
Hazardous materials accident
Severe storms and extreme rainfall
Terrorism
Disease outbreak
Riot/civil unrest
Infrastructure or building failure
Heat wave

What are chronic stresses?

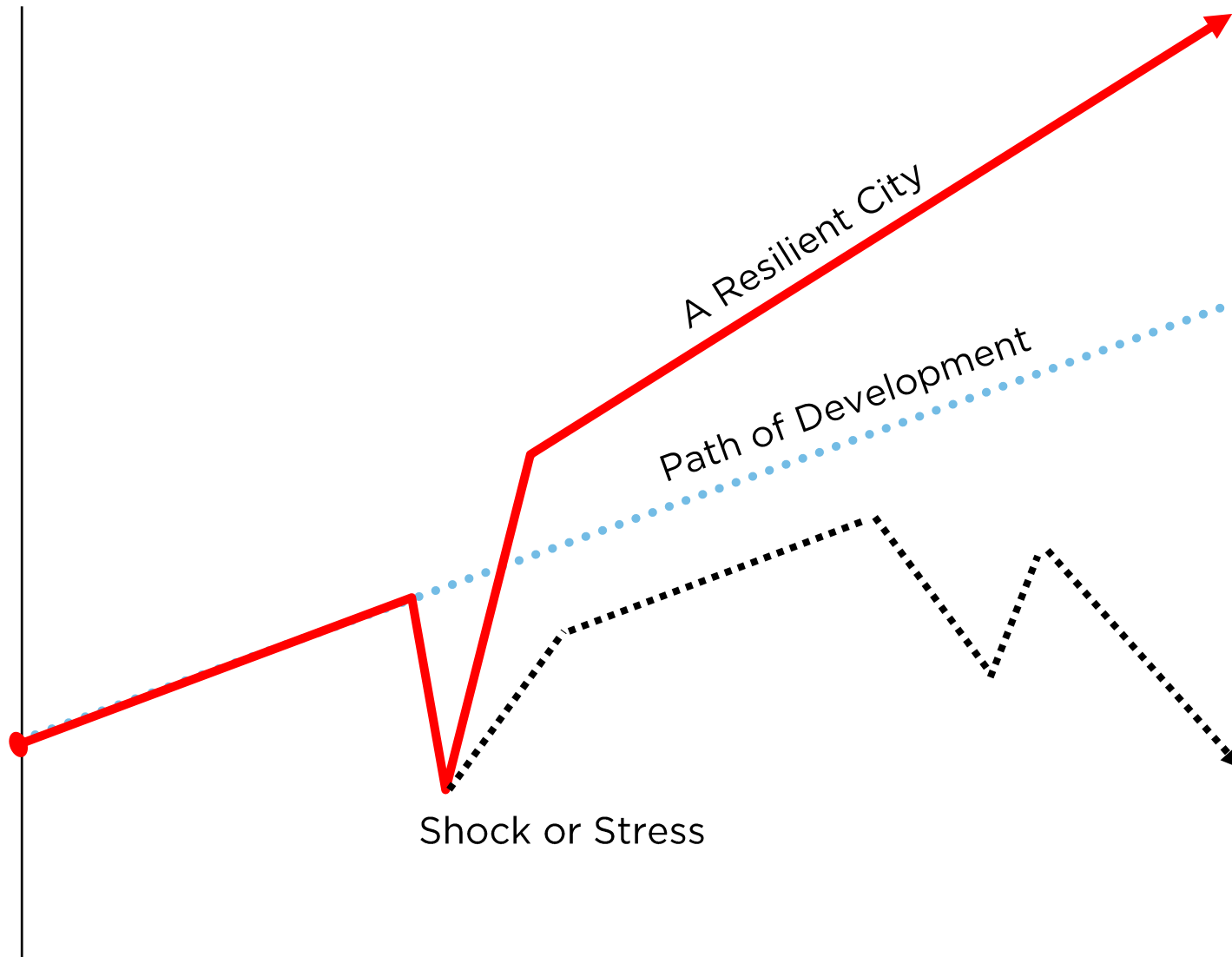
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What are chronic stresses?

Water Scarcity
Lack of affordable housing
Poor air quality
High unemployment
Homelessness
Changing demographics
Lack of social cohesion
Poverty/inequity
Aging Infrastructure
Shifting macroeconomic trends
Crime & violence

Shocks and stresses can bring opportunities for cities to evolve, and in some circumstances, transform.



URBAN RESILIENCE

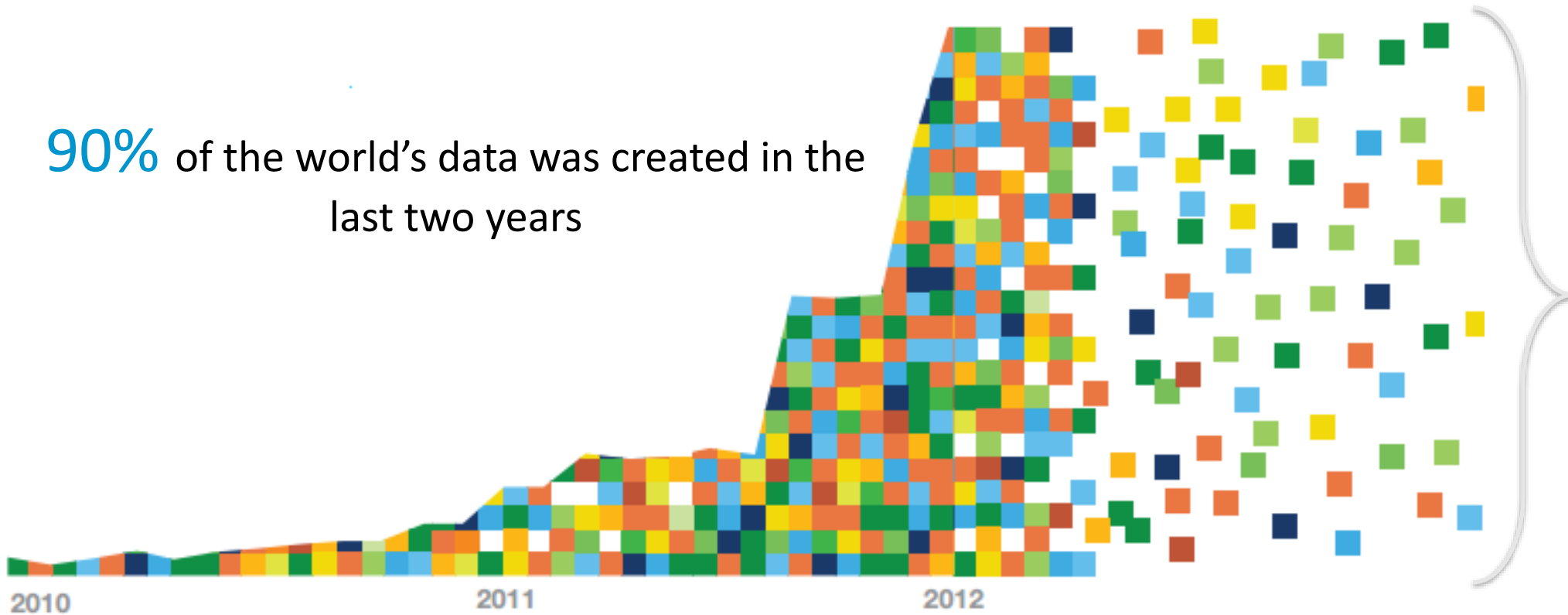
Is the capacity of individuals, communities, institutions, businesses, and systems within a city to survive, adapt, and grow no matter what kinds of **chronic stresses** and **acute shocks** they experience.



The Future of Urban Resilience

The Information Revolution Is Underway

90% of the world's data was created in the last two years



80% of the world's data today is unstructured



Shanghai, China

Half Of The Infrastructure Cities Will Have By 2070 Hasn't Been Built Yet

Cities have a once-in-a-lifetime opportunity to incorporate **resilient design** into infrastructure projects



Sao Paulo, Brazil

Inequity And Social Cohesion Will Define The Resilience Agenda

City resilience strategies must focus on ways to fully include vulnerable populations

An aerial photograph of a dense urban skyline in Bangkok, Thailand, captured during a golden sunset. The sky is filled with soft, glowing clouds, and the sun is low on the horizon, casting a warm, golden light over the city. In the foreground, a large, modern glass skyscraper on the left reflects the sunset. The city is a mix of high-rise buildings and lower, older structures. A prominent circular graphic with a white border is centered over the image, containing the text 'Introduction to 100RC'.

Introduction to 100RC

TIMES SQUARE
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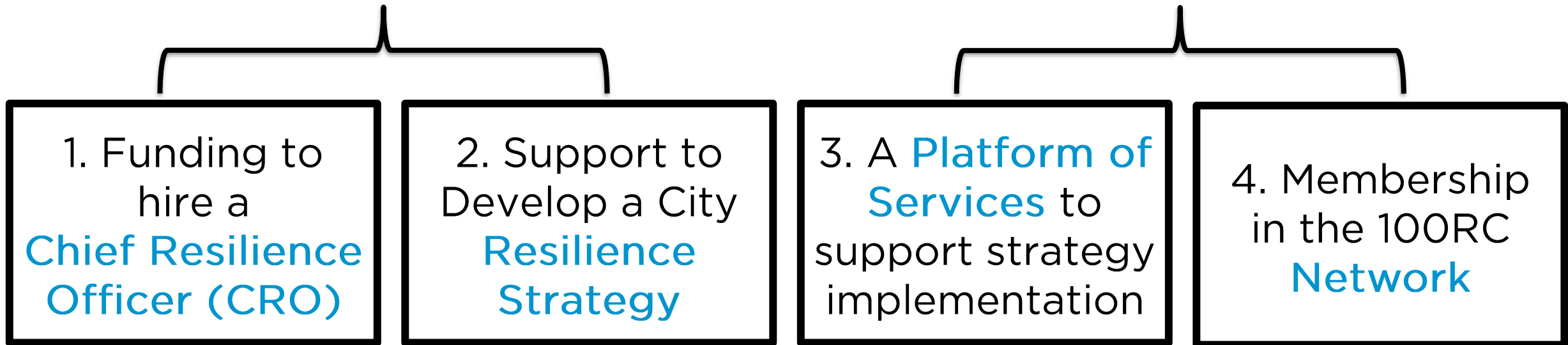
100RC **partners with cities** around the world to **help them become more resilient** to the social, economic and physical challenges that are a growing part of the 21st century.



100RC provides cities with 4 types of support

TO HELP COMPLEX URBAN SYSTEMS ORGANIZE AND INTEGRATE AROUND RESILIENCE

TO SCALE SOLUTIONS EFFICIENTLY



Who is the Chief Resilience Officer?

The CRO is a catalytic force, transforming the way cities organize themselves to better meet the challenges of building resilience in the 21st century. The CRO will lead the city's resilience building efforts, including:



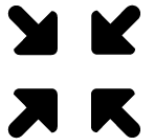
Working across silos to **create** and **implement a** resilience strategy



Serving as **a senior advisor** to the Mayor or municipal leader



Promoting resilience thinking, and acting as both **a local and global thought leader**



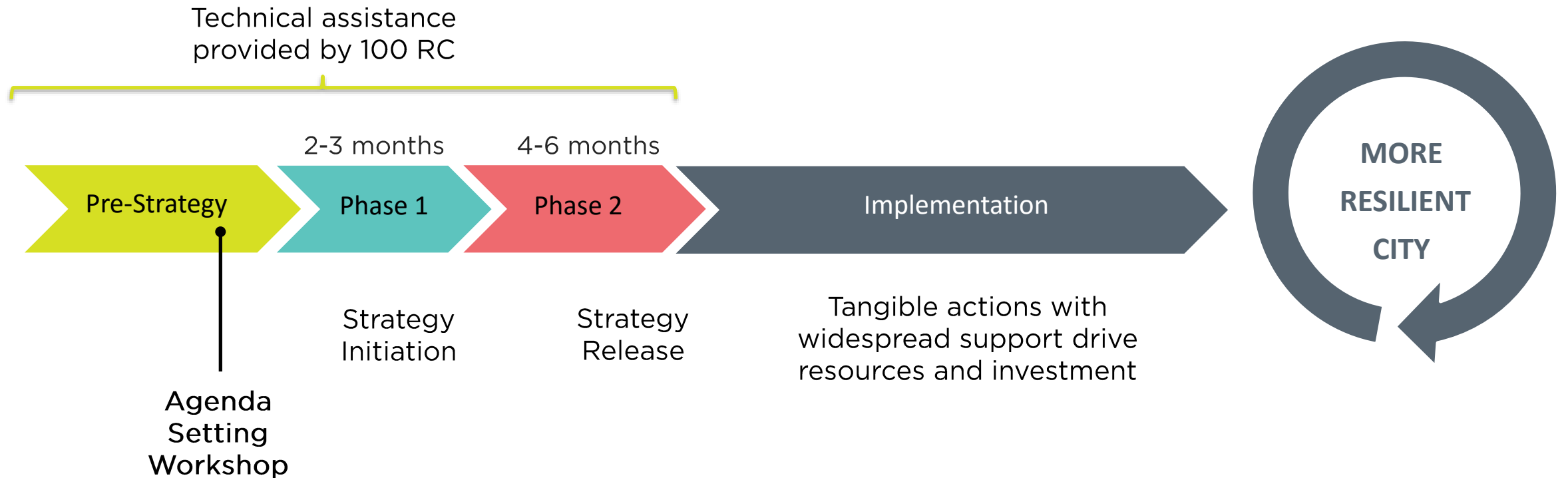
Coordinating resilience efforts across government and multi-sector stakeholders



Liaising with other **CROs, 100RC staff, and service providers** via the network and platform

What is the 100RC Resilience Strategy?

The Strategy is a tactical roadmap to build resilience that articulates the city's resilience priorities and specific initiatives for short-, medium-, and long-term implementation.



What is the 100RC Platform?

Water Management, Energy
Sandia National Laboratories, VEOLIA, BLUE LEGACY

Climate and Weather, Natural Environment
The Nature Conservancy, CSIRO, EARTH ECONOMICS, AGU (American Geophysical Union), R20 (REGIONS OF CLIMATE ACTION), CLIMATE CENTRAL

Citizen Engagement, Government & Policy, Social Equity
ioby, Neighborland, CityHeroes, TRANSATLANTIC POLICY LAB, CITY MART, ELADES

Public Health
Save the Children

Built Environment, Infrastructure, Land Use
MWH, VirginiaTech, amec foster wheeler, ARCADIS, AIA, Deltares, Perkins Eastman, Impact Infrastructure

Finance and Insurance
SOCIAL FINANCE, THE WORLD BANK, Swiss Re, MFO (microfinance opportunities)

Transportation
WORLD RESOURCES INSTITUTE, Doppelmayr

Information and Technology, Cyber Security
Palantir, Microsoft, DigitalGlobe, CISCO, Trimble, esri, NAVIGEM (voyaging the data seas)

Education/ Skills and Training, Economic Development, Culture and Arts
PYXERA GLOBAL, AkzoNobel, Asia Society, Give2Asia

Housing
Cities Alliance (Cities Without Slums), BUILD CHANGE, NEW STAR LIGHT CONSTRUCTION

DRM and Emergency Response
iPARAMETRICS (engineering solutions for a changing world), Resiliency Advisors Ilc., INTERNATIONAL RESCUE COMMITTEE

100RC currently has 90 partners, offering 130 services valued at \$200 Million (USD).

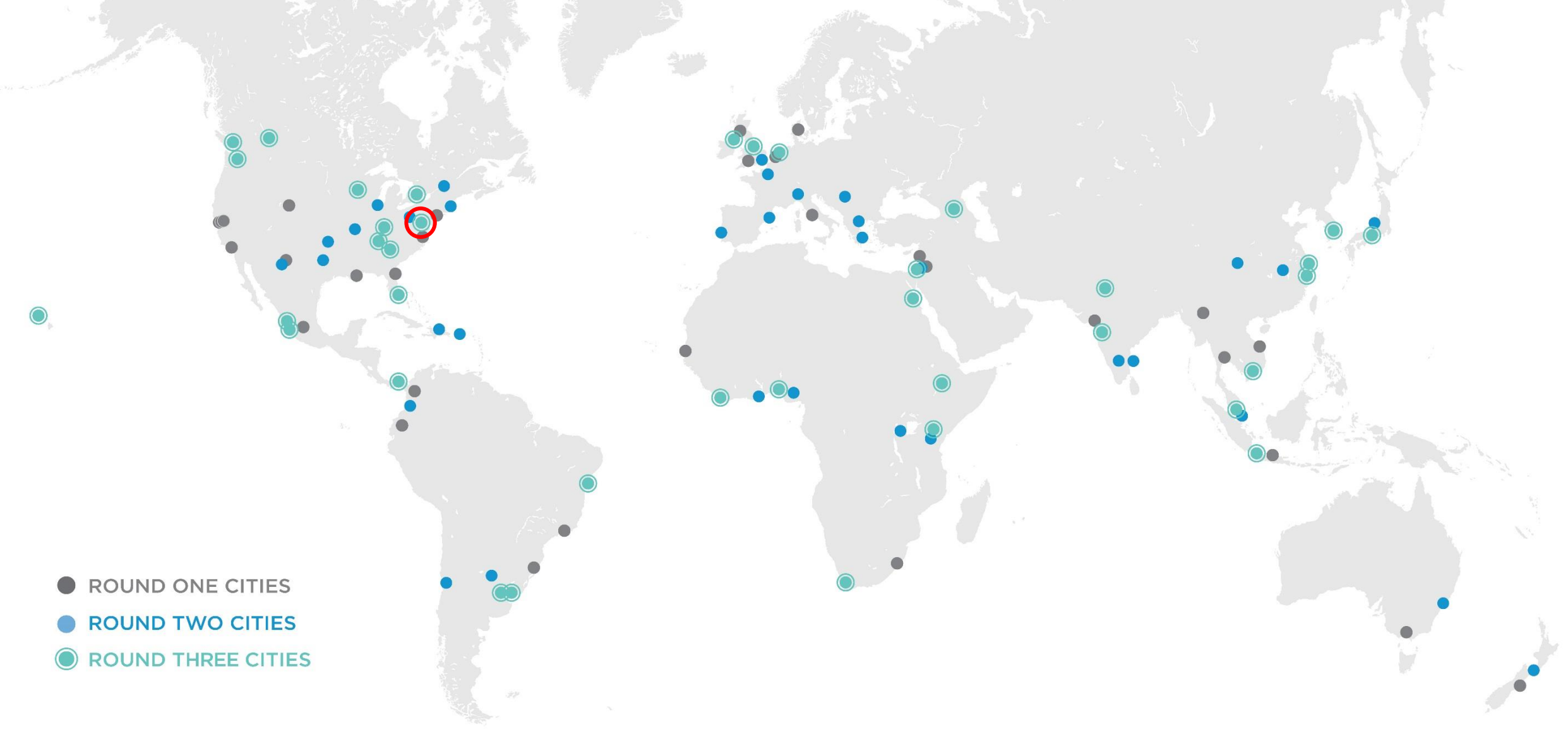
These are supplied by carefully selected platform of partners across the private, public, academic and non-profit sectors.

The 100RC Network



Our Member Cities

Following a highly competitive application process (1,000+ applications), 100RC selected a first group of cities in December 2013, announced the second in December 2014, and the third in May 2016





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RESILIENT CITIES

Washington DC

AGENDA SETTING WORKSHOP

February 9, 2017



Agenda Setting Workshop



>100 participants

Panel discussion:

- Dr. Arnoldo Matus Kramer, Mexico City CRO
- Teri Janine Quinn, Bloomingdale Civic Association



Agenda Setting Workshop



Updates on three city initiatives:

1. **Comprehensive Plan |
Office of Planning**
2. **Climate Ready DC |
Department of Energy & Environment**
3. **Health In All Policies |
Department of Health**



Resilience Cabinet

Mayor

Muriel Bowser

Department Directors

Christopher Gelldart

Tommy Wells

Eric Shaw

Dr. LaQuandra Nesbitt



Agenda Setting Workshop



Next steps:

1. Complete Workshop Report
2. Hire a CRO

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CITIES

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