

A nighttime photograph of the Oakland skyline. In the background, a large suspension bridge with a white lattice structure is illuminated. Below the bridge, several yellow port cranes are visible, their lights reflecting on the water. The foreground is filled with various city buildings, some with lit windows and others with specific signs. A prominent red sign with the word "TRIBUNE" in white capital letters is visible on a building. The entire scene is captured in a wide-angle shot, with a large white circle superimposed in the center, framing the text.

Resilient Oakland

Objectives

1. What is urban resilience and why does it matter?
2. What is the 100 Resilient Cities Initiative?
3. What is Oakland doing and how can you contribute?

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.

1. What is urban
resilience and why
does it matter?

ACUTE SHOCKS

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

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

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

100 RESILIENT CITIES



Riots in Tottenham, England

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

2. What is the 100 Resilient Cities Initi⁷

PIONEERED BY THE
ROCKEFELLER FOUNDATION

100

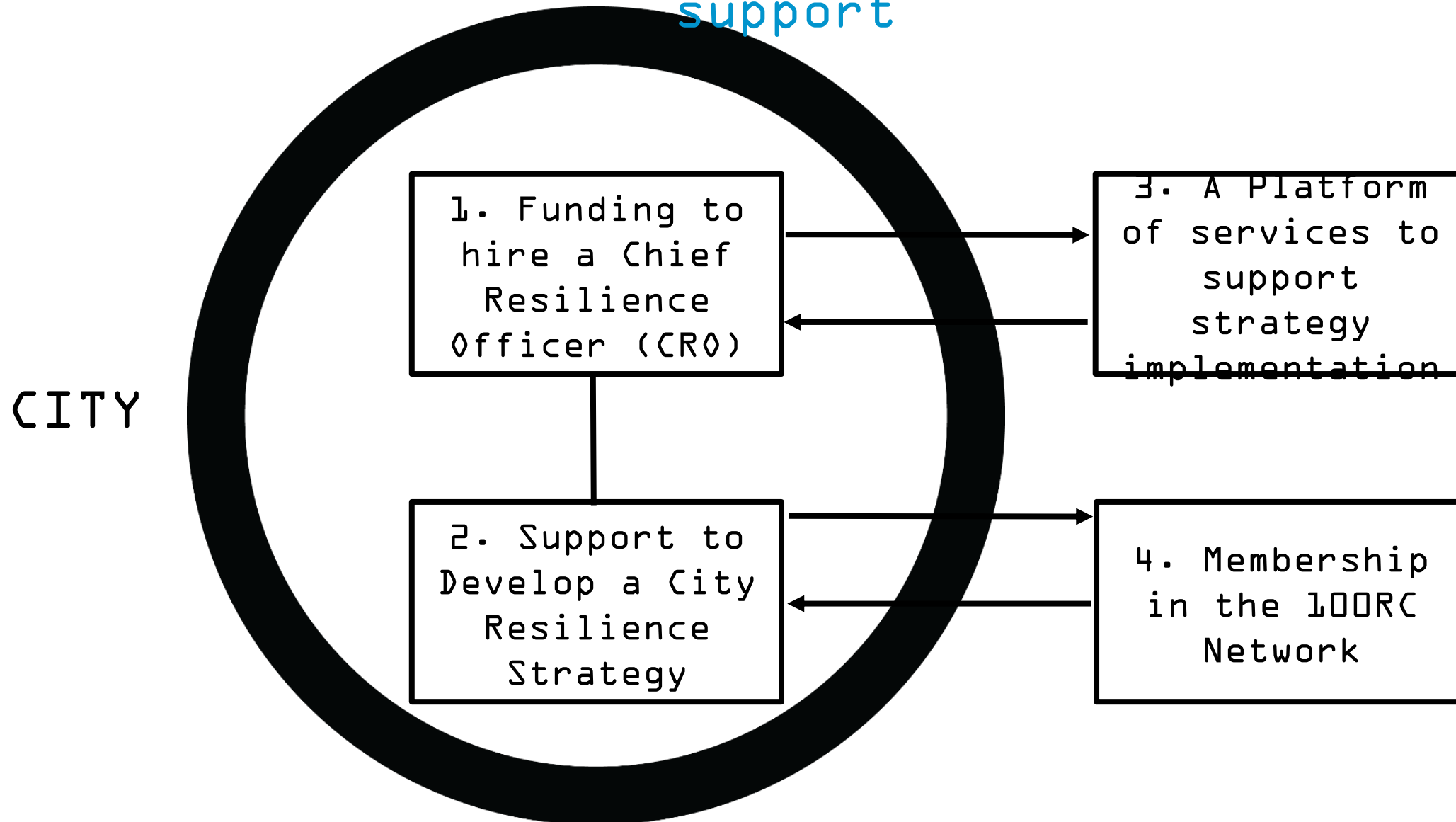
RESILIENT

CITIES



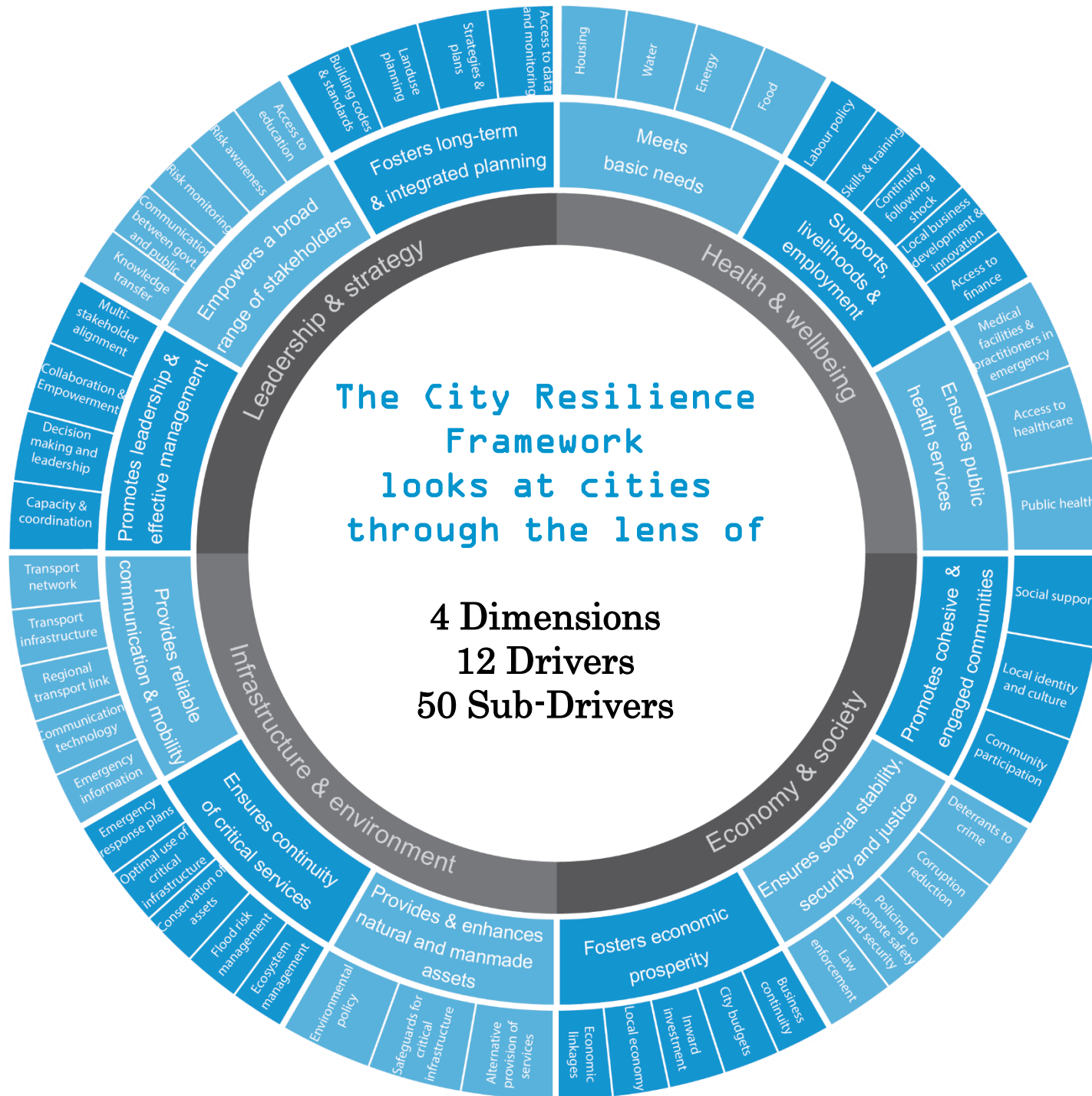


Each member city will receive **four types of support**





City Resilience Framework



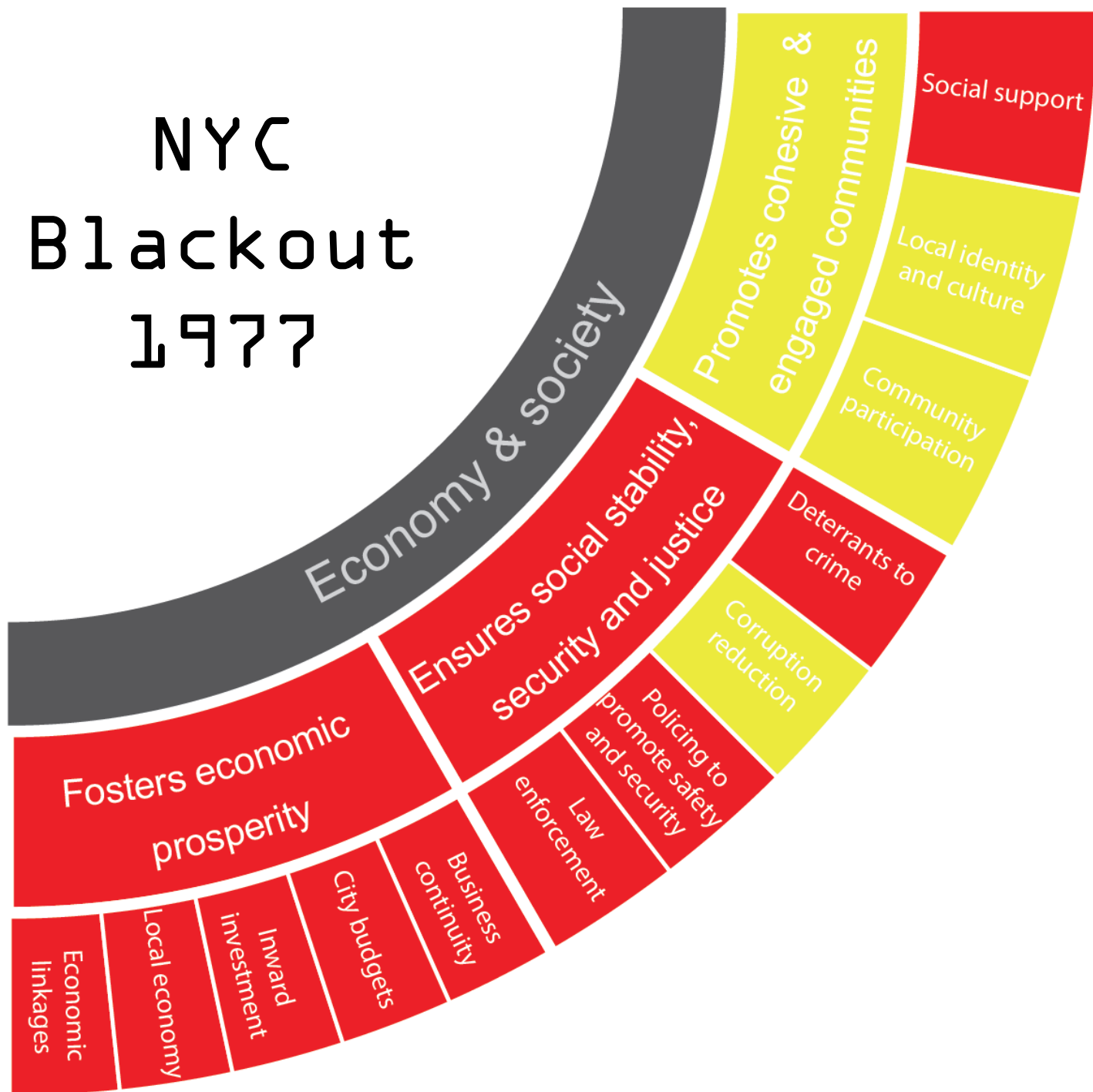
Multiple factors contribute to resilience and there are multiple entry points for action

Drivers	Explanation
1 Meets basic needs	This is about the provision of essential resources required to meet a person's basic physiological needs.
2 Supports livelihoods & employment	This relates to livelihood opportunities & support. These enable a person to go about securing their basic needs. Opportunities might include jobs, skills & training, or responsible grants & loans
3 Ensures public health services	This relies on integrated health facilities & services, & responsive emergency services. It includes physical & mental health, health monitoring & awareness of healthy living & sanitation.

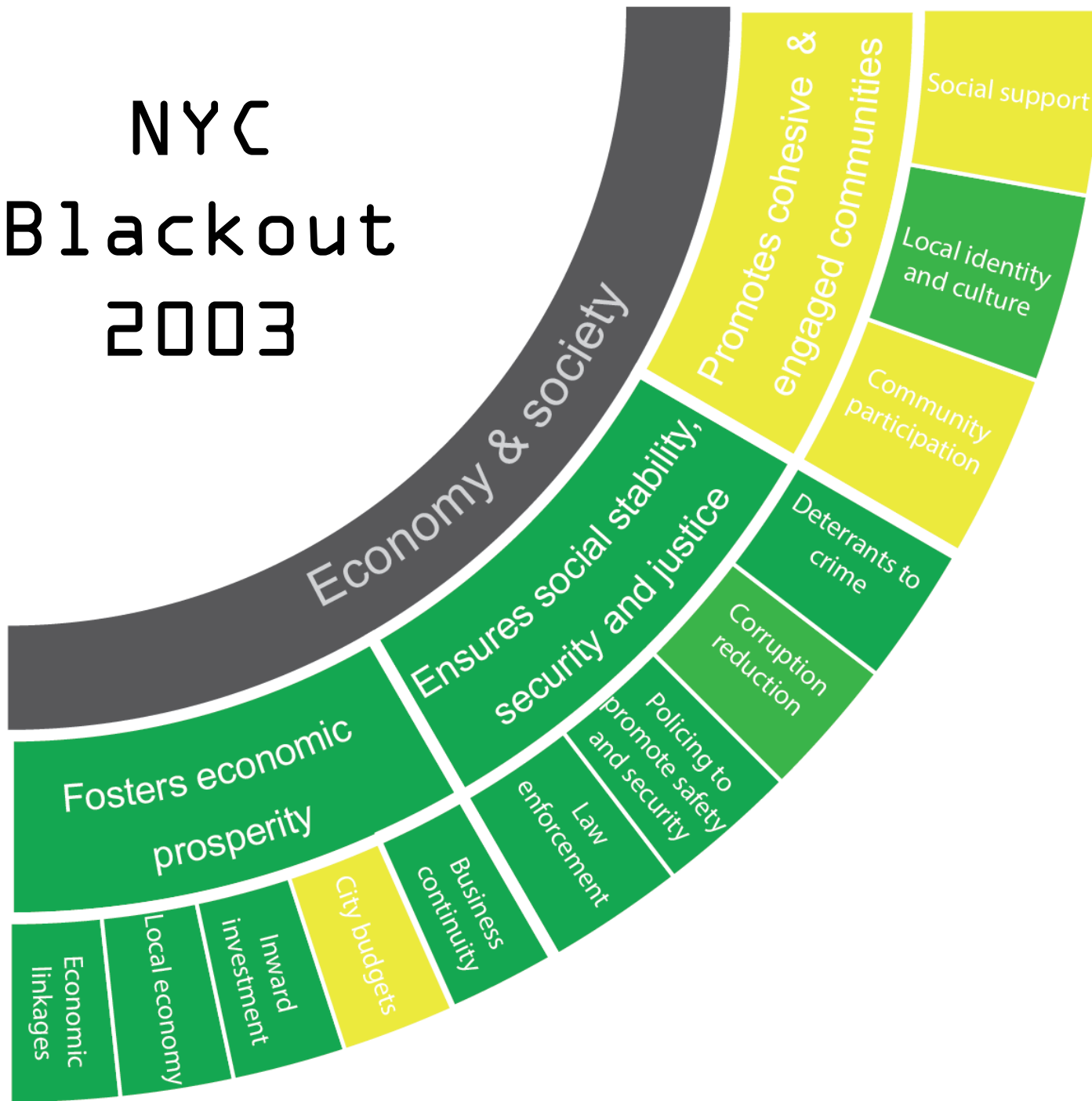
4 Promotes cohesive & engaged communities	This is about community engagement, social networks & integration. These reinforce collective ability to improve the community. It requires processes that encourage civic engagement in planning & decision-making.
5 Ensures social stability, security & justice	This includes law enforcement, crime prevention, justice, & emergency management.
6 Fosters economic prosperity	Whilst driver 2 is about individual livelihoods, this is about the economy on a wider scale. Important economic factors include contingency planning, sound management of city finances, the ability to attract business investment, a diverse economic profile & wider linkages.

<p>7 Enhances & provides protective natural & man-made assets</p>	<p>This relies on environmental stewardship, appropriate infrastructure, effective land use planning & enforcing regulations. Conservation of environmental assets preserves the natural protection afforded to cities by ecosystems</p>
<p>8 Ensures continuity of critical services</p>	<p>This results from diversity of provision, redundancy, active management & maintenance of ecosystems & infrastructure, & contingency planning</p>
<p>9 Provides reliable communication & mobility</p>	<p>Enabled by diverse & affordable multi-modal transport networks & systems, ICT & contingency planning. Transport includes the network (roads, rail, signs, signals etc.), public transport options & logistics (ports, airports, freight lines etc.)</p>

10 Promotes leadership & effective management	<p>This concerns government, business & civil society. This is recognisable in trusted individuals, multi-stakeholder consultation, & evidence-based decision-making.</p>
11 Empowers a broad range of stakeholders	<p>This is underpinned by education for all, and relies on access to up-to-date information and knowledge to enable people and organisations to take appropriate action. Along with education and awareness communication is needed to ensure that knowledge is transferred between stakeholders and between cities.</p>
12 Fosters long-term & integrated planning	<p>A holistic, considered vision, informed by data. Strategies/plans should be integrated across sectors & land-use plans should consider & include different departments, users & uses. Building codes should create safety & remove negative impacts.</p>



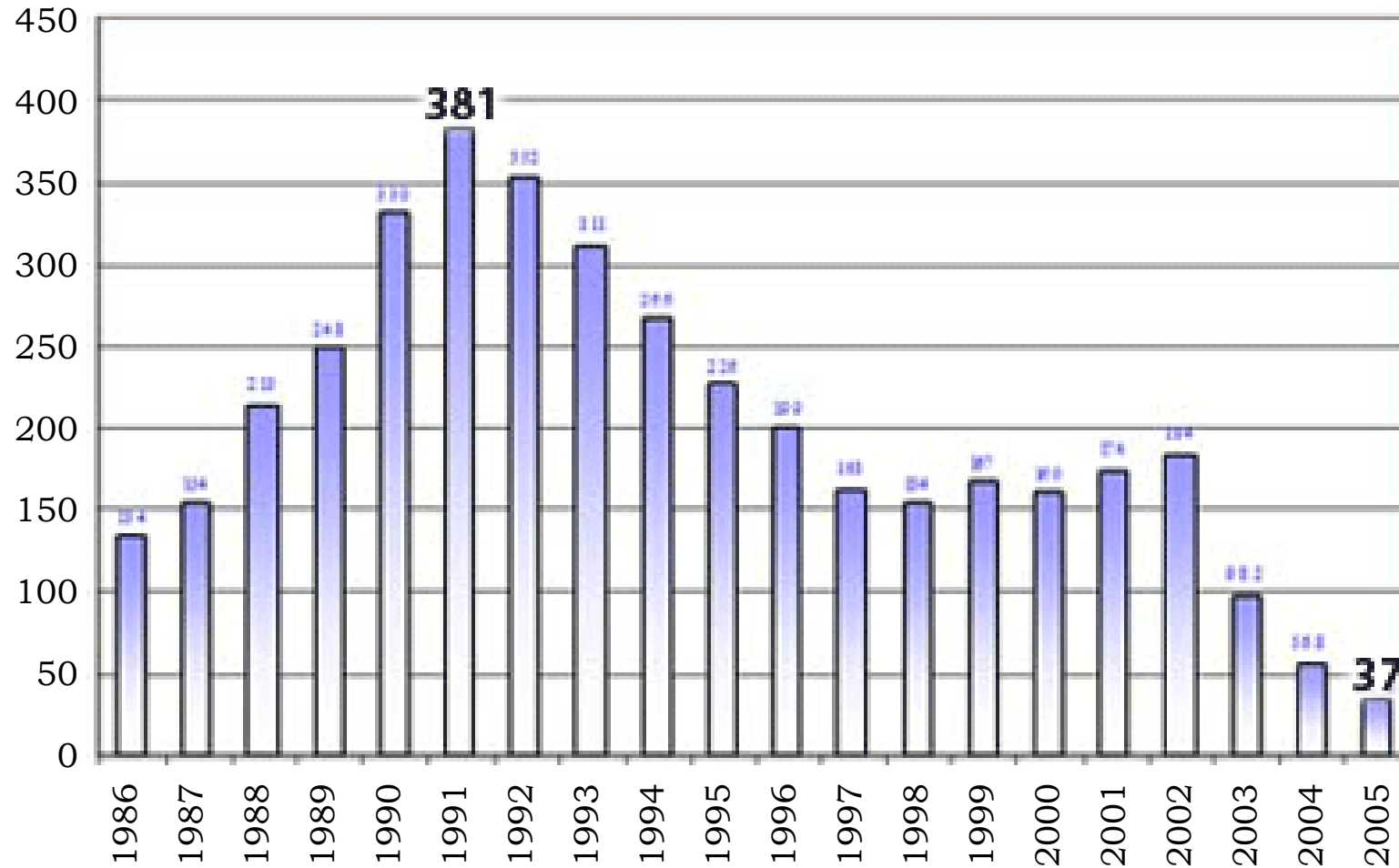
NYC Blackout 2003



Medellin, Colombia 1980s



Murders per 100,000 Residents, 1986-2005



Case Study: Resilient Medellín

Medellin, Colombia Today



3. What is Oakland doing and how can you contribute?

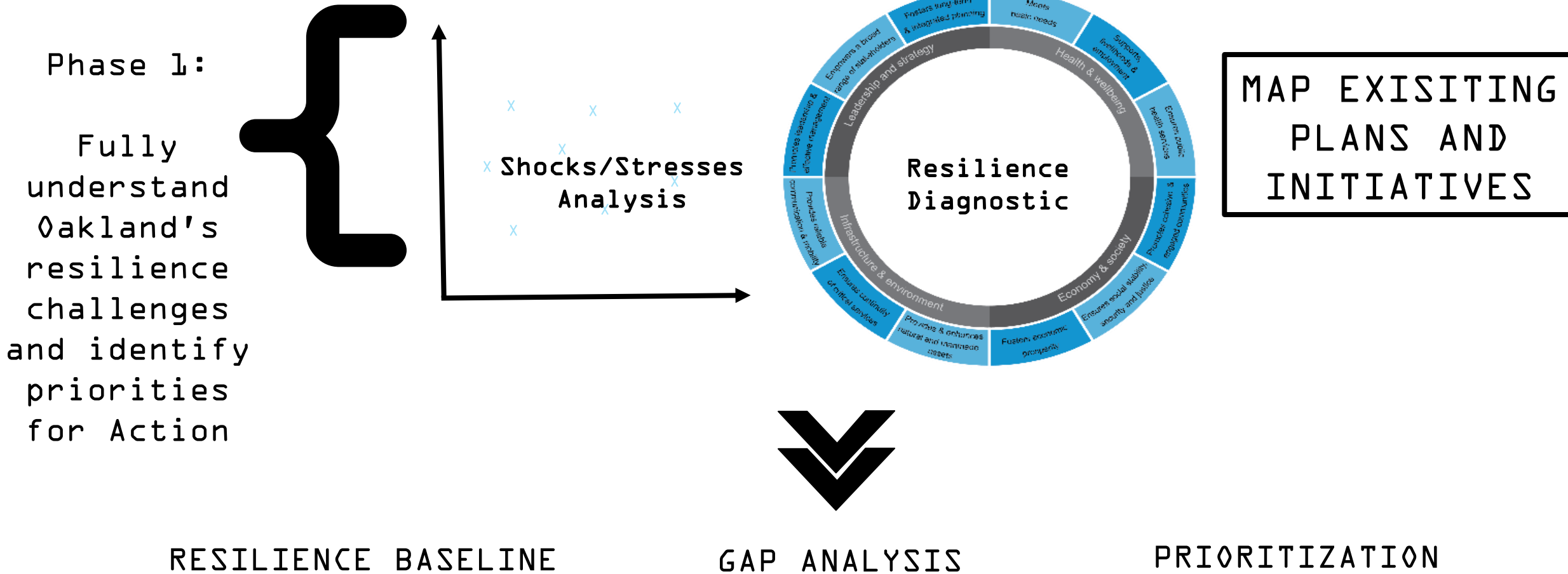


Factor	Area of Strength	Leading Well But Not Enough	Need to Do Better
Convene Neighbors with resources - know each other + share assets			
City facilitates community leadership			
City supports community leadership			
Digital access - mobile			
Engage + mobilize community - act as bridges			
TH GRANTS ARE RESOURCES TO CBOs TO BUILD CAPACITY			
SPORT IS ETHNIC, TRANSPARENT + ACCOUNTABLE (community)			

Leadership & Strategy



1. Developing a Resilience Action Plan



Implementing the Resilience Action Plan



Platform

22 Platform Partners, with 29 services for a total current value of \$81 million

WORLD BANK
CREDIT-
WORTHINESS
ACADEMY



THE WORLD BANK

DATA ANALYTIC
TOOLS



CITY RESILIENCE
INDEX

ARUP

ENERGY, WASTE,
WATER
BEST PRACTICES



HAZARD RISKS
ASSESSMENT TOOL



Swiss Re

CROWD-
SOURCING AND DATA
MANAGEMENT



Ushahidi

LONG-TERM ENERGY
RESILIENCE
PLANNING



Sandia
National
Laboratories

DISASTER
SCORECARD



FEASIBILITY
STUDY SUPPORT



International
Finance Corporation
World Bank Group

REGIONAL
DESIGN
STUDIOS



AIA

METRICS FOR
SHOCKS AND
STRESSES



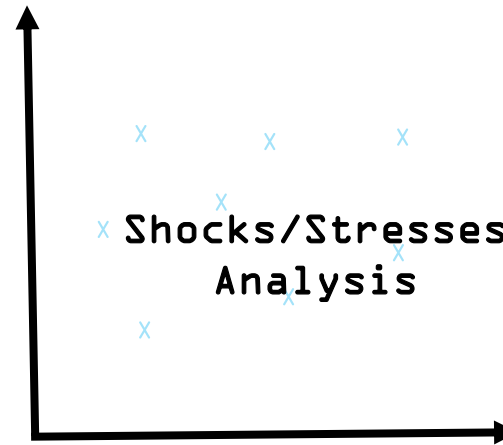
GFDRR
Global Facility for Disaster Reduction and Recovery

How can you contribute?

Now
-
August

MAP EXISTING
PLANS AND
INITIATIVES

Take Resilient
Oakland Survey



Participate in
upcoming technical
sessions on shocks
and stresses



Join
upcoming
opportunities to
analyze
factors
that drive
Oakland's
Resilience

Sept.
-

Resilience Action Plan

Help develop and implement
Oakland's Resilience Action Plan

Regional
Resilience
Strategy

100 RESILIENT CITIES

