The Chronicle of Higher Ed called and asked you to state in a sentence or two what is the university’s role in the resilient space? How would you respond?
U.S. and Canadian Member Cities
A legacy in urban development

Building on its rich legacy in urban development and resilience, The Rockefeller Foundation created 100 Resilient Cities in 2013 to catalyze a global urban resilience movement.

Our mission

100 Resilient Cities is charged with helping cities around the globe better manage chronic stresses and acute shocks so that people in those cities, especially the poor and vulnerable, are safer, healthier, and have increased livelihood options.
63% of US population
\( \frac{3}{4} \) of global GDP
The real GDP grew in 282 of the 381 metropolitan areas across the U.S. in 2014.

Source: http://www.bea.gov
Flooding in New Orleans, Louisiana
Yiwu, China produces 60% of the world’s Christmas decorations and accessories.
Spraying transmission zones in Miami-Dade County, Florida to fight against mosquitoes carrying the Zika virus
Downtown skyline in 2005
Downtown skyline in 2018*
*Includes approved towers that are as yet unbuilt.
Average Individual Income, City of Toronto, 2015

Source: neighbourhoodchange.org
Average Net Wealth (Whites), City of Boston, 2015

$247,500

Average Net Wealth (US-Born Blacks), City of Boston, 2015

$8

Source: The Color of Wealth in Boston, Federal Reserve Bank of Boston, Duke University, and the New School
The time to build RESILIENCE is now
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.
<table>
<thead>
<tr>
<th>What is an acute shock?</th>
<th>What is a chronic stress?</th>
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<tbody>
<tr>
<td>Earthquake</td>
<td>Water Scarcity</td>
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<td>Wildfires</td>
<td>Lack of affordable housing</td>
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<tr>
<td>Flooding</td>
<td>Poor air quality</td>
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<tr>
<td>Sandstorms</td>
<td>High unemployment</td>
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<tr>
<td>Extreme cold</td>
<td>Homelessness</td>
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<tr>
<td>Hazardous materials accident</td>
<td>Structural racism</td>
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<tr>
<td>Severe storms and extreme rainfall</td>
<td>Changing demographics</td>
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<tr>
<td>Terrorism</td>
<td>Lack of social cohesion</td>
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<tr>
<td>Disease outbreak</td>
<td>Poverty/inequity</td>
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<tr>
<td>Riot/civil unrest</td>
<td>Aging Infrastructure</td>
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<tr>
<td>Infrastructure or building failure</td>
<td>Shifting macroeconomic trends</td>
</tr>
<tr>
<td>Heat wave</td>
<td>Crime &amp; violence</td>
</tr>
</tbody>
</table>
Tenants of Resilient Leadership & Systems
Reflective
Using past experience to inform future decision

Resourceful
Recognizing alternative ways to use resources

Inclusive
Prioritize broad consultation to create a sense of shared ownership in decision-making

Integrated
Bring together a range of distinct systems and institutions

Robust
Well-conceived, constructed, and managed systems

Redundant
Spare capacity purposively created to accommodate disruption

Flexible
Willingness, ability to adopt alternative strategies in response to changing circumstances
City Resilience Framework
12 drivers that determine the city’s ability to withstand a wide range of shocks and stresses.
Health & Wellbeing
The health and wellbeing of everyone living and working in the city.

- Meets basic needs
- Supports livelihood & employment
- Ensures public health services
Economy & Society
The social and financial organizations that enable urban populations to live peacefully, and act collectively.

- Promotes cohesive & engaged economies
- Ensures social stability, security & justice
- Fosters economic prosperity
Infrastructure & Environment

The way in which manmade and natural infrastructure provides critical services, protects, and connects urban citizens.

- Provides & enhances natural & manmade assets
- Ensures continuity of critical services
- Provides reliable communications & mobility
Leadership & Strategy

Effective leadership, empowered stakeholders, and integrated planning.

Promotes leadership & effective management
Empowers a broad range of stakeholders
Fosters long-term & integrated planning

Provides leadership & effective management
Empowers a broad range of stakeholders
Fosters long-term & integrated planning
Equality: The assumption is that everyone benefits from the same supports. This is equal treatment.

Equity: Everyone gets the supports they need (this is the concept of “affirmative action”), thus producing equity.

Justice: All 3 can see the game without supports or accommodations because the cause(s) of the inequity was addressed. The systemic barrier has been removed.

Source: Agents of Good
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.
Partnering with cities for a better today and a stronger tomorrow

- CHIEF RESILIENCE OFFICER
- RESILIENCE STRATEGY
- GLOBAL NETWORK
- GLOBAL PARTNERSHIPS

Urban Transformation
Partnering with cities for a better today and a stronger tomorrow
Partnering with cities for a better today and a stronger tomorrow

CHIEF RESILIENCE OFFICER

GLOBAL NETWORK

Urban Transformation

RESILIENCE STRATEGY

GLOBAL PARTNERSHIPS
Partnering with cities for a better today and a stronger tomorrow
Partnering with cities for a better today and a stronger tomorrow
100RC by the Numbers

Globally

- 6 continents
- 47 countries
- 21 languages
- 40,000 - 21,000,000 population range
- 84 Chief Resilience Officers
- $1.7 billion+
- 46 Resilience Strategies

U.S. & Canada

- 801 concrete, actionable initiatives
- 1061 community groups engaged
- $450 million+ catalyzed in non-city investment
Partnering with cities for a better today and a stronger tomorrow
Implementation
Urban Resilience Strategies

Member cities in the U.S. and Canada have released 15 comprehensive Resilience Strategies that will help them better tackle the challenges of the 21st century.
Network Examples of Universities & Resilience
GLOBAL NETWORK FOR ADVANCED MANAGEMENT
Carnegie Mellon, the City of Pittsburgh, & Allegheny County
Metro21 Lunch and Learn with Grant Ervin

STATE OF ACTIVITY OF THE PGH OFFICE OF RESILIENCY
WITH GRANT ERVIN, PITTSBURGH’S CHIEF RESILIENCE OFFICER
OCTOBER 30
12:00-1:00 PM
HAMBURG HALL 1002
The City of Cape Town
Cape Town Building relationships with academic partners

How has Cape Town integrated academic partners

- Extensive engagement with academics during the development of the PRA and the CRI, including
  - University of Cape Town (UCT) – African Centre for Cities
  - UCT - African Climate & Development Initiative
  - UCT – Department of Chemical Engineering
  - UCT – Faculty of Engineering & the Built Environment
  - UCT - Institute for Safety Governance and Criminology
  - UCT – Lung Institute
  - UCT – Safety and Violence Initiative
  - UCT – School of Architecture, Planning and Geomatics
  - UCT – School of Geography
  - UCT – School of Public Health and Family Medicine
  - United World Colleges (UWC) – Department of Political Studies
What role can you play?
Resilient Hubs – Universities as a cite of Resilience

Rutgers

In a 250-Year History, a Singular Moment in Time...

Our Moment

A Strategic Plan for The New Rutgers

February 2014
Universities as Resilient Hubs

Strategy

Appoint a Resilience Liaison

Resilience trainings – Admin, staff, students, alum, local communities

Research Labs
Questions?