2020

Brave New World - Reslience

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BRAVE NEW WORLD: RESLIENCE

BY RHONDA BINDA, ESQ.
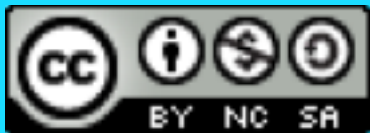
THREE PILLARS FOR A SMART AND CONNECTED CITY OR COMMUNITY

100% CONNECTED
100% MOBILE
100% RESILIENT

GROWING THREATS TO CITIES

- Urbanization trends globally persist as more people seek work and educational opportunities in city centers

- Extreme weather events have exponentially increased due to climate change

- Security both psychical and virtual continue to be a challenge

NASA

resilience:

"[t]he capacity of a dynamic system to adapt successfully to challenges that threaten the function, survival, or future development of the system."
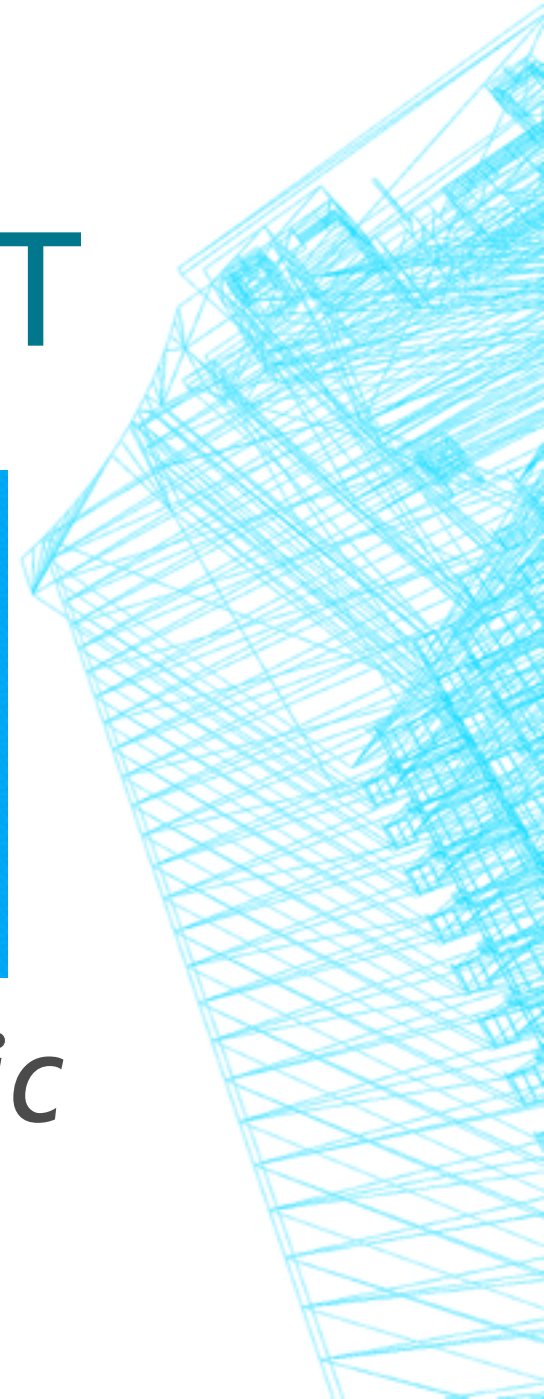
—**Ann Masten**, Professor, University of Minnesota College of Education and Human Development

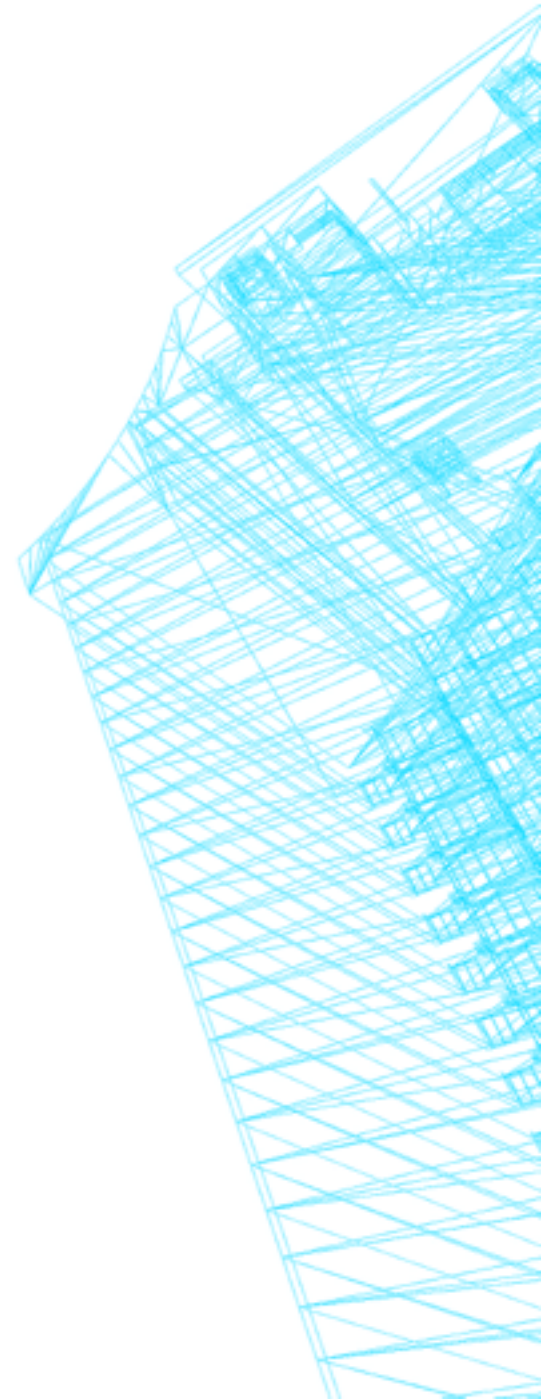# CMR INDEX: 100% RESILIENT

- *Secure*
- *Safe*
- *Sustainable*
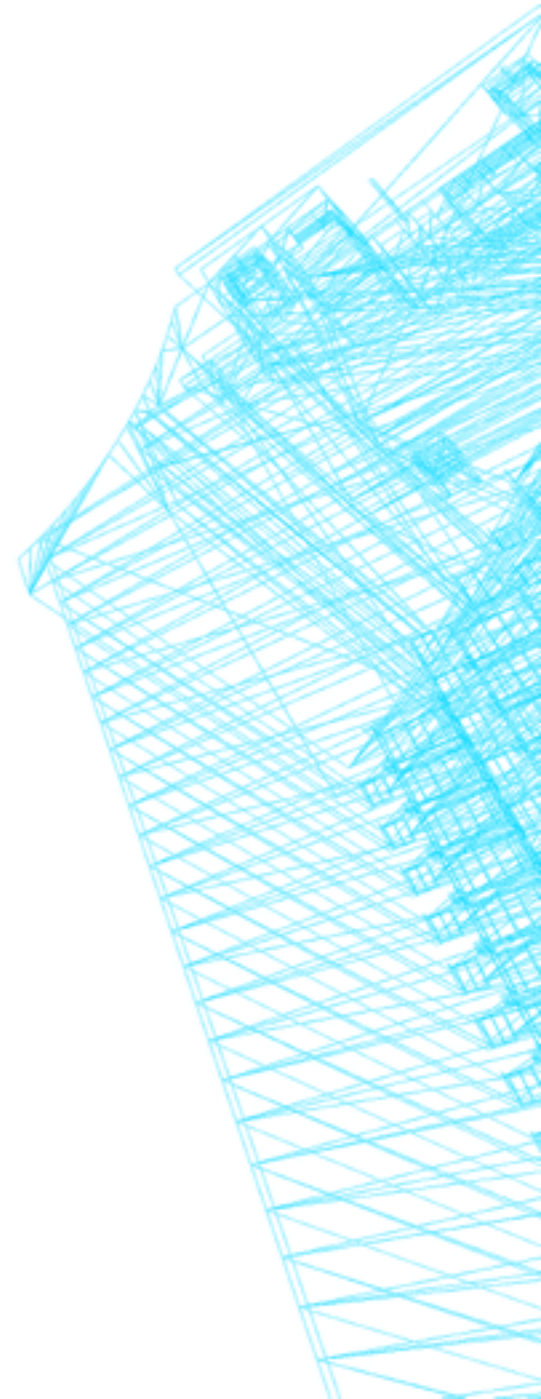 *Social, Environmental & Economic*

SECURE

- From the inception of any smart city plan, and any utilization of technology, a comprehensive cybersecurity network must be in place.
- In order to handle the onslaught of IoT there is a duty, especially since dealing with large volumes of the public's data.
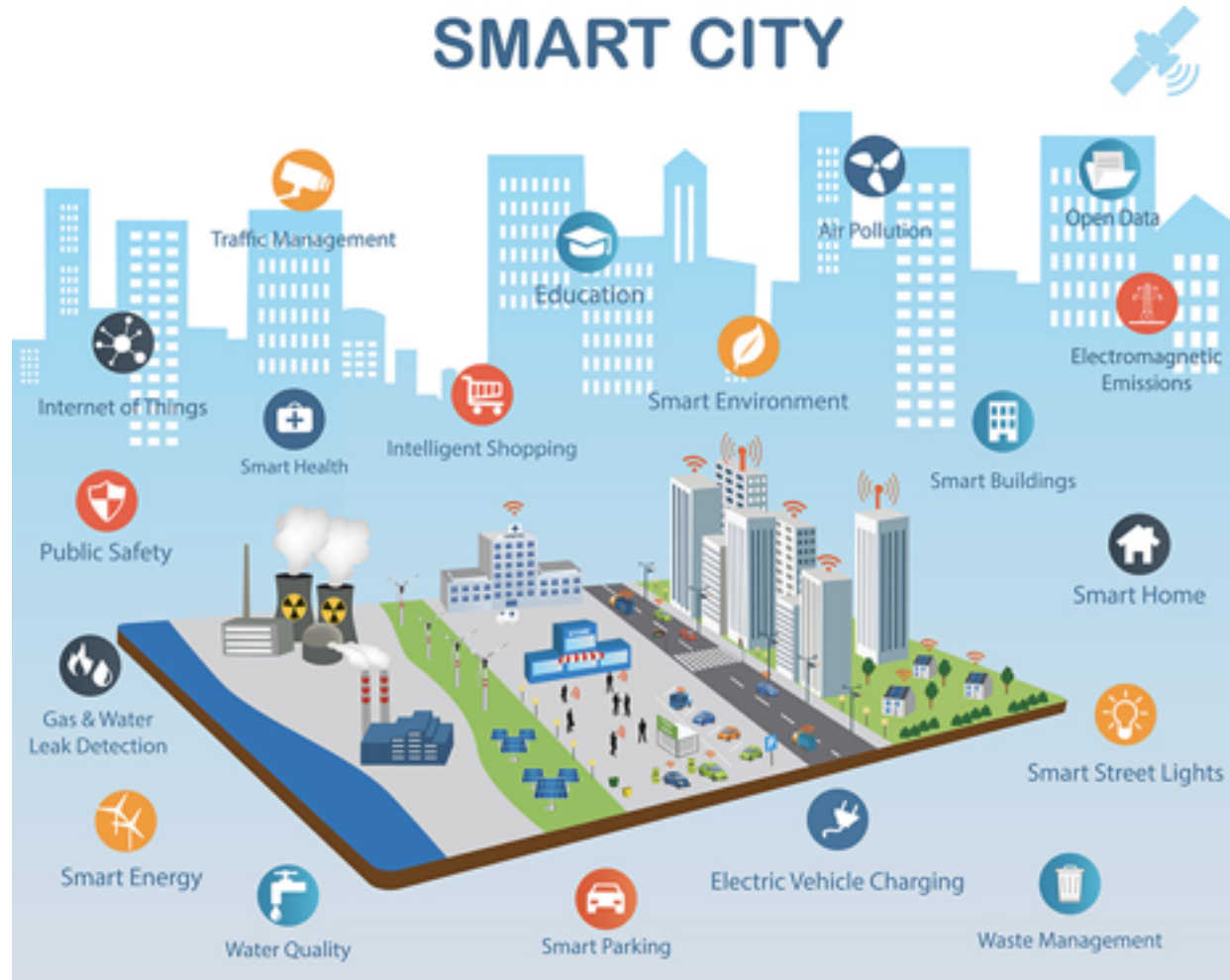
SECURE

- Cities must see to continuously improve, update and enhance their cybersecurity frameworks.
- The risk posed to cities has exponentially increased and more often are cities being held ransom by hackers and subject to cybercrimes.
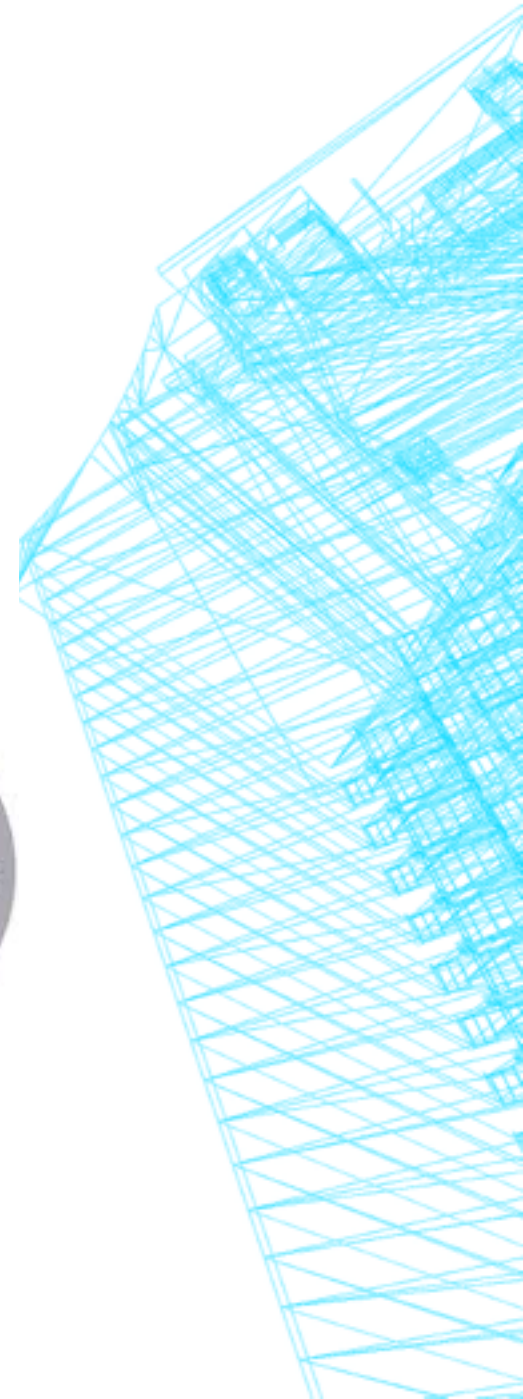
SAFE

Public Safety is paramount. With sensors detecting danger there are now 'more eyes on the street.'

https://www.google.com/url?sa=i&url=https%3A%2F%2Fwww.geospatialworld.net%2Fnews%2Fsmart-city-and-public-safety-to-take-center-stage
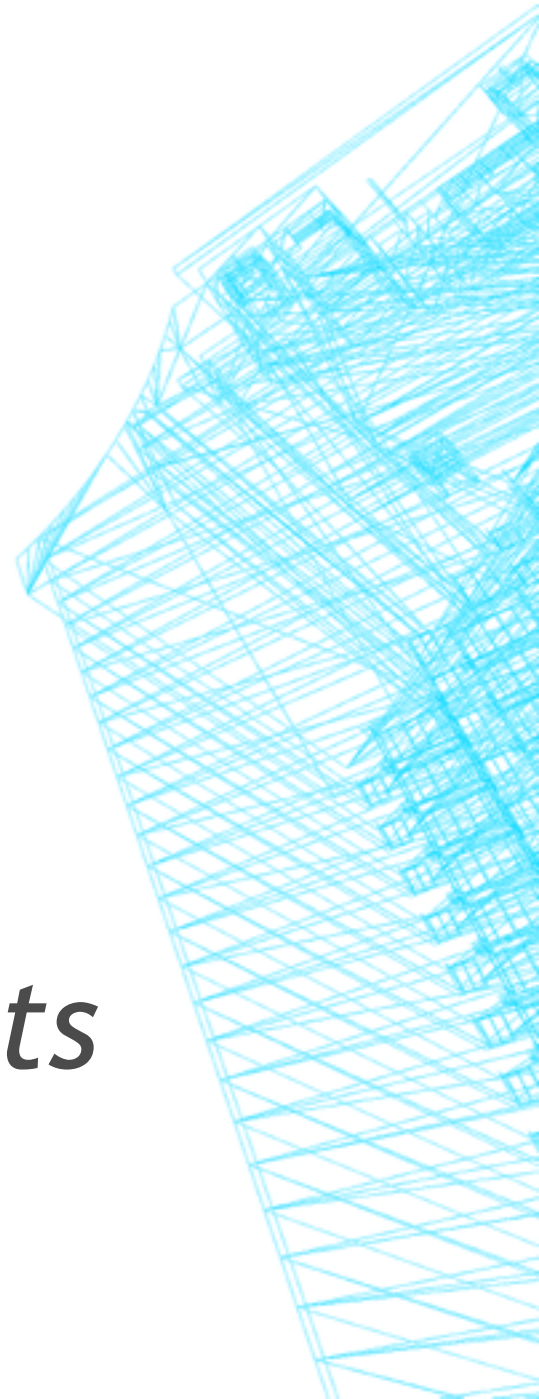
SUSTAINABLE

"SEE" VALUE

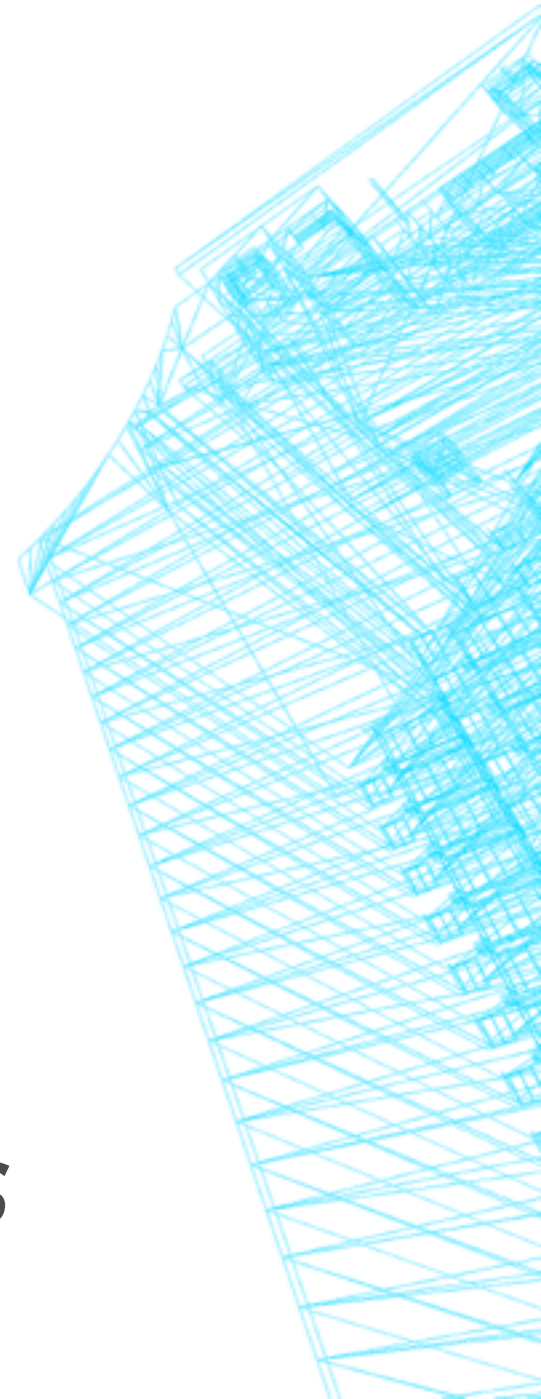- *Social*
- *Environmental*
- *Economic*

SOCIAL SUSTAINABILITY

- *Socially Livable City*
- *Equitable City*
- *Sustains the culture and history*
- *This approach retains and attracts residents*

ENVIRONMENTAL SUSTAINABILITY

- *Ecologically Livable City*
- *Viable City in harmony with nature and animals*

- *Utilizing clean technologies*
- *Plenty of green spaces and parks*

ECONOMIC SUSTAINABILITY

- *Cities' main revenue sources are from resident and business taxes. In order to be viable smart city technology and planning should strategically and directly serve the needs of business community and residents first.*
- *Smart cities support the Innovation 2.0 model.*
- *Furthermore, they train their population to be the workforce needed for the future to retain and attract commerce.*
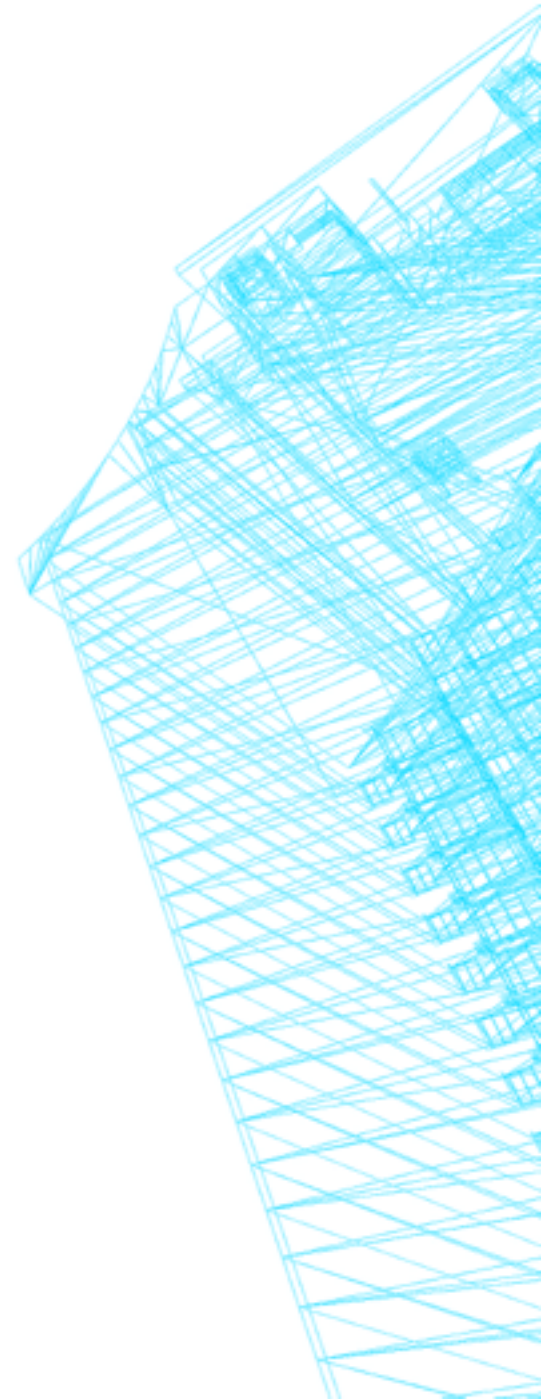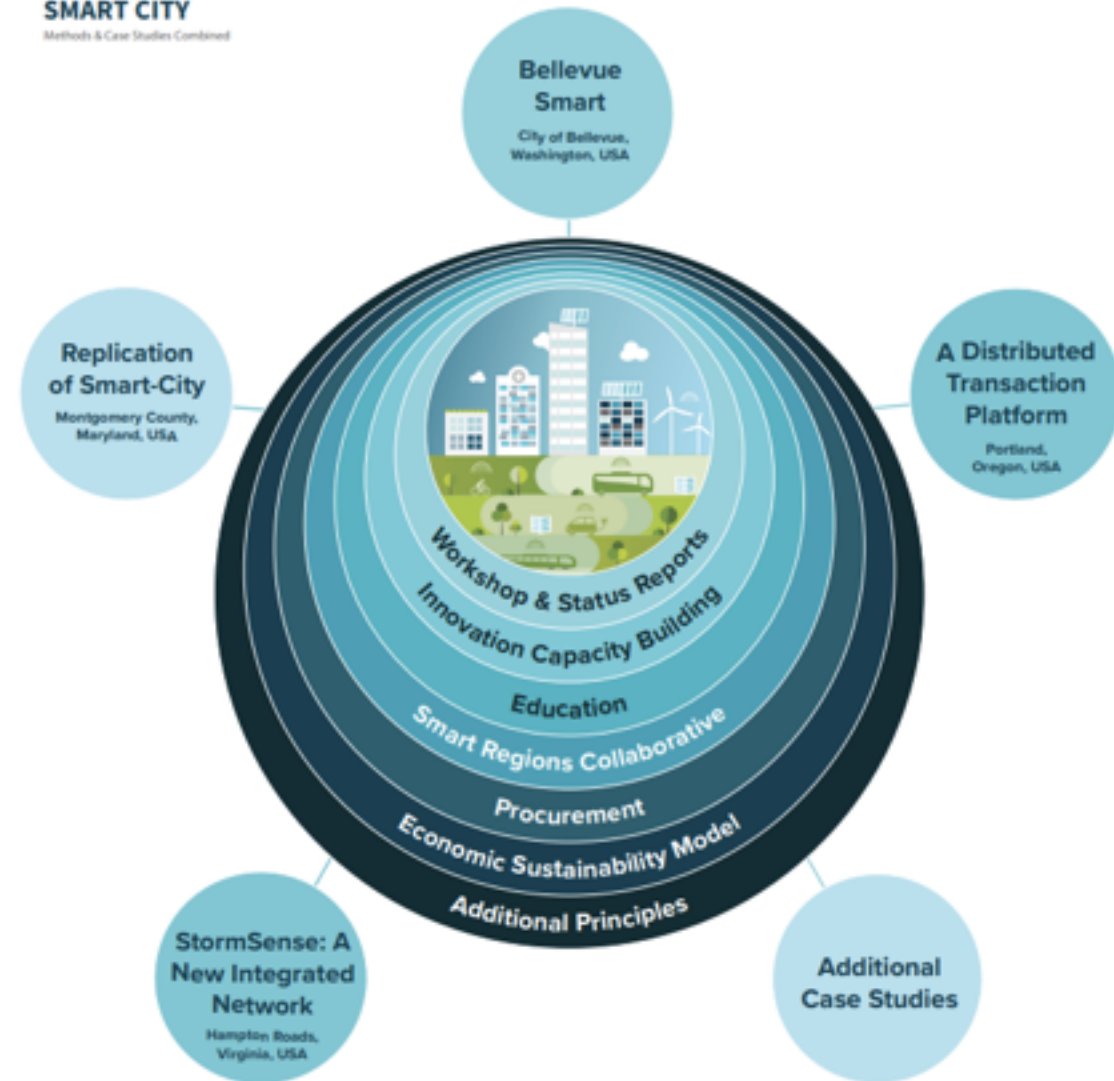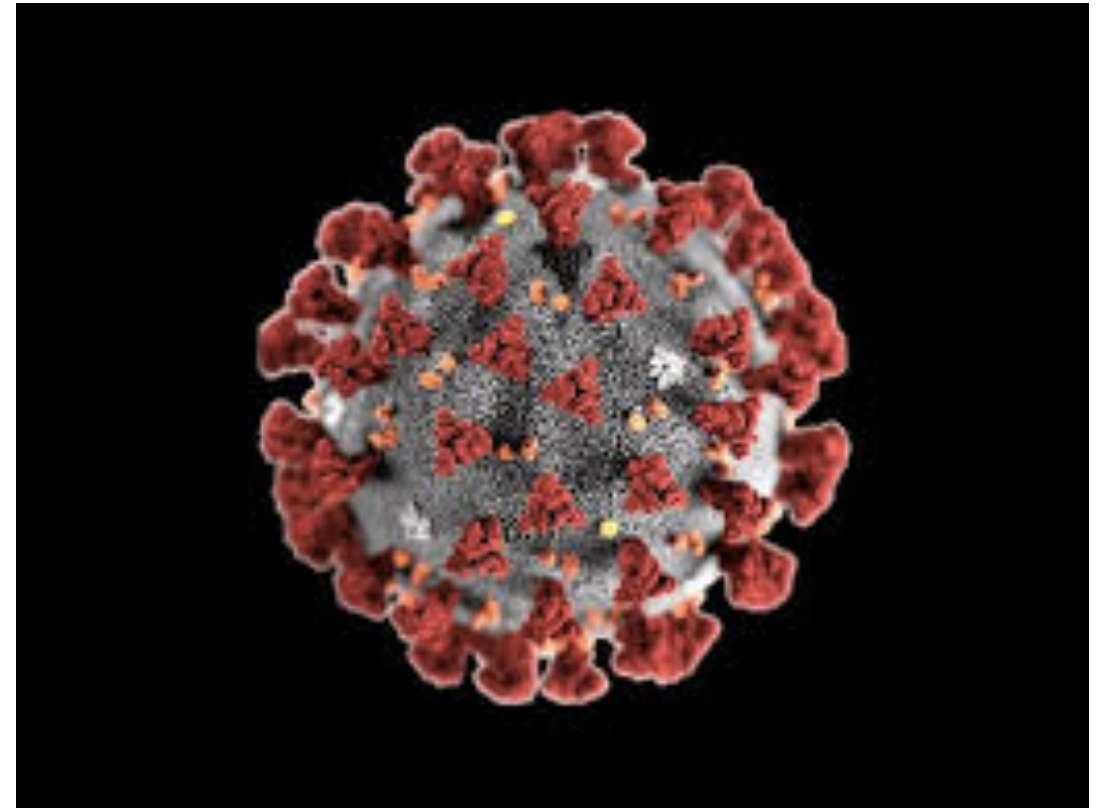
NIST SMART CITY FRAMEWORK
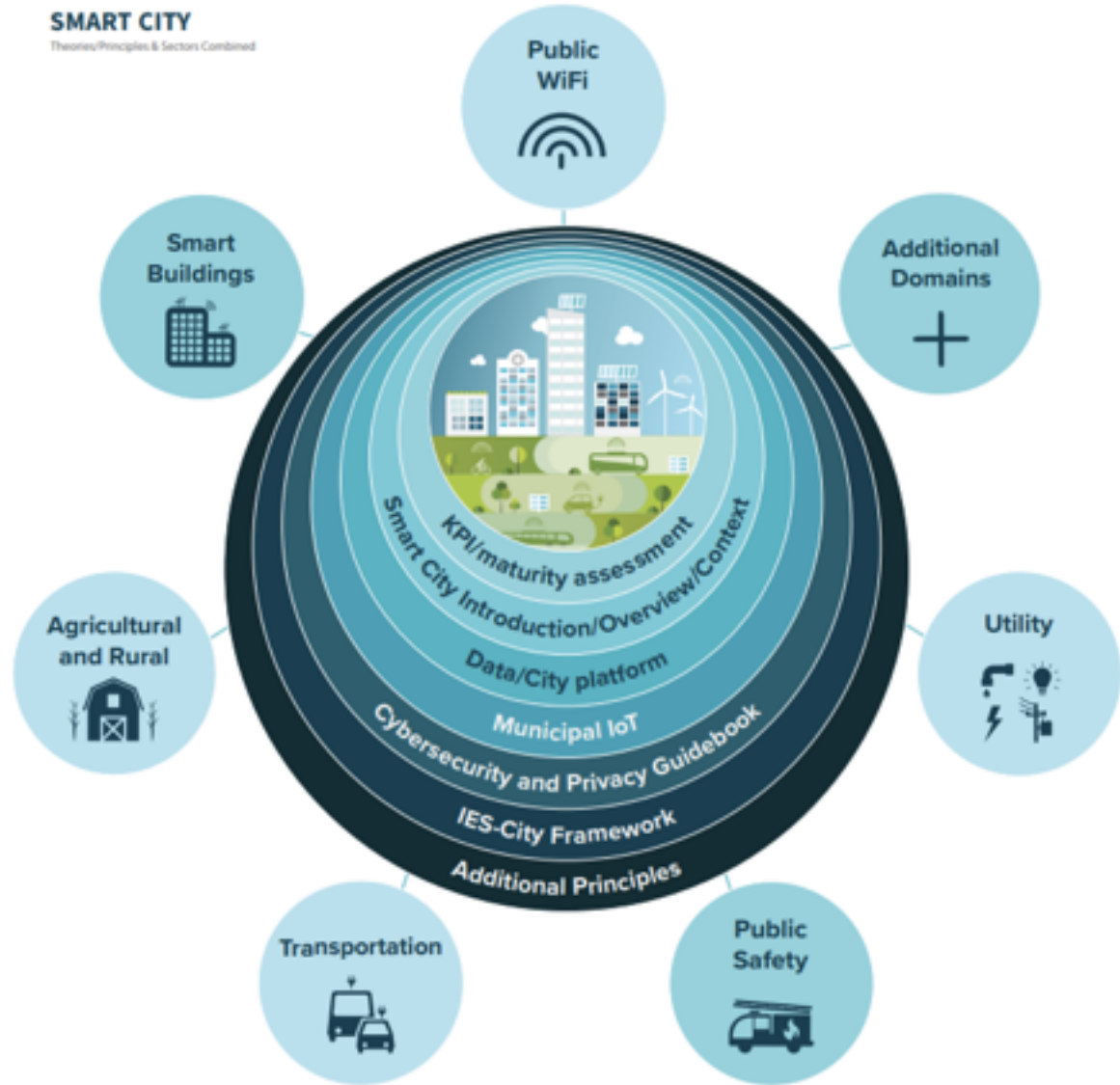
GLOBAL TREND: COVID 19 PANDEMIC

The pandemic caused an unprecedented multi-hazard problem for our cities unlike that of a terror attack or weather event. Which system were deemed critical or essential during this time and how effective was the real-time connectivity between and among them?

THE BEST WAY TO PREDICT THE FUTURE IS TO DESIGN IT YOURSELF!

THANK YOU!

@rhondabinda

LinkedIn, FB, IG, Twitter